METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES

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None
See application file for complete search history.

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ABSTRACT
The present invention includes methods and devices for passively tracking and selectively sharing user experiences with communication devices, including computers, web-enabled telephones, and PDAs. User rating or comments on their experiences can be captured. Particular aspects of the present invention are described in the claims, specification and drawings.

253 Claims, 26 Drawing Sheets
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</tr>
</tbody>
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Invite Buddy

Provide IM tool information for the buddy you're inviting.

IM Account: Select Screen name: More Info

:: Send invitation! | Done

FIG. 4

Invite Buddy - Confirmation

Did your invitation get sent?
If your invitation did not get sent, you can choose to send the invitation via email or invite them again later*

*Your invitation to drcroop.aim will be saved in your fatbubble® People list until drcroop.aim joins fatbubble®. To invite this person again later, simply select "Buddy List" from the fatbubble® menu and click "Invite again" next to this person's name. More Info

:: Yes | No... I'll invite them later

FIG. 5
Send Item

Select buddy to send this item to.

What CDNOW: Best of 2000: Hip Hop

who

OR

Select fatbubble iBuddy -

AIM

drcroop

*Personal Note

Comments typed in this field populate the sender's outgoing message area (after they click "Send") along with the link they are sending.

*Optional, included in IM/email message.

Send item | Cancel

FIG. 6

Send Item - Confirmation

Did your item get sent?

If your item did not get sent, you can choose to send the item via email or just send the item again later.

Yes | No... I'll try to send it again later

FIG. 7
### Buddy List

Administer your list of buddies.

<table>
<thead>
<tr>
<th>Who</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>bluesclueless</td>
<td>bobbymcgin.aim 8920339.icq</td>
</tr>
<tr>
<td>friskyriggs</td>
<td>friskyriggs.aim</td>
</tr>
<tr>
<td>&lt;username.aim&gt;</td>
<td>jennyarnold001.aim 58903882.icq</td>
</tr>
<tr>
<td>zapfin</td>
<td>zapf dingbat.aim</td>
</tr>
<tr>
<td>&lt;username.aim&gt;</td>
<td>mickspears288.aim    mickspears100.yah</td>
</tr>
<tr>
<td>&lt;newuser&gt;</td>
<td>+Add...</td>
</tr>
</tbody>
</table>

- Invite a new Buddy!
- Zapfin
- Delete Selected Buddy

**FIG. 8A**
Edit fatbubble™ Profile - friskyriggs

Provide the user IDs for each tool you use to communicate with this buddy. More Info

IM Accounts

+ Add Another Account...

Save Changes

FIG. 8B
Edit fatbubble profile - friskyriggs

Use the checkboxes below to select which topic areas you want to share by default. You'll be able to turn these topic areas on or off for each user. More Info

- C:/fatbubble/shared/
- X:/shared/music/

:: Save Changes

FIG. 8C
Use the checkboxes below to select which topic areas you want to share by default. You'll be able to turn these topic areas on or off for each user. More Info

Topics

- Arts & Entertainment
- Computers & Internet
- Food
- Games
- Health & Fitness
- Home
- Money
- Music

+ Add Topic Area

:: Save Changes

FIG. 8D
### Top 10 List for week of 1.21.01-2.8.01

<table>
<thead>
<tr>
<th>Rank</th>
<th>What</th>
<th>Shop</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Barnes &amp; Noble.com-Dreamweaver 3 H...</td>
<td>CDNOW</td>
</tr>
<tr>
<td>2</td>
<td>CA: SF: Italian: Scoma's</td>
<td>E-TRADE</td>
</tr>
<tr>
<td>3</td>
<td>FLIGHT 404</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>CDNOW! Best of 2000</td>
<td>CDNOW</td>
</tr>
<tr>
<td>5</td>
<td>Barnes &amp; Noble.com-Dreamweaver 3 H...</td>
<td>CDNOW</td>
</tr>
<tr>
<td>6</td>
<td>CA: SF: Italian: Scoma's</td>
<td>CDNOW</td>
</tr>
<tr>
<td>7</td>
<td>FLIGHT 404</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>CDNOW! Best of 2000</td>
<td>CDNOW</td>
</tr>
<tr>
<td>9</td>
<td>E-TRADE</td>
<td>CDNOW</td>
</tr>
<tr>
<td>10</td>
<td>CDNOW</td>
<td></td>
</tr>
</tbody>
</table>

**Send this list to a friend!**

### Fatbubble v CDNOW: Best of 2000: Hip Hop

<table>
<thead>
<tr>
<th>Username</th>
<th>Did What</th>
<th>Where</th>
<th>Rating</th>
<th>Comments</th>
<th>Send When</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnes &amp; Noble.com-Dreamweaver 3 H...</td>
<td>=) Rocket</td>
<td>=)</td>
<td>9:17P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CA: SF: Italian: Scoma's</td>
<td>:) Check it out!</td>
<td>:)</td>
<td>9:17P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLIGHT 404</td>
<td>= Hmm...</td>
<td>=</td>
<td>9:17P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDNOW! Best of 2000: Hip Hop</td>
<td>:( Not worth it</td>
<td>:(</td>
<td>9:17P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E-TRADE</td>
<td>= ( Kill me...</td>
<td>= (</td>
<td>9:17P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDNOW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FIG. 10**
<table>
<thead>
<tr>
<th>Who</th>
<th>When</th>
<th>Rating</th>
<th>Comments</th>
<th>Searches</th>
</tr>
</thead>
<tbody>
<tr>
<td>dodro</td>
<td>9:17P</td>
<td></td>
<td></td>
<td>EBay: (2) 78%</td>
</tr>
<tr>
<td>frikkynogs</td>
<td>9:17P</td>
<td></td>
<td></td>
<td>Fatbubble (20,000) 78%</td>
</tr>
<tr>
<td>frikkynogs</td>
<td>9:17P</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>frikkynogs</td>
<td>9:17P</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>monkeyboy</td>
<td>9:17P</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>monkeyboy</td>
<td>9:17P</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figs. 11
START

USER VISITS URL VIA ANY BROWSER (PC, PHONE, PDA, etc.)

SYSTEM CAPTURES URL & PAGE TITLE (IF PRESENT) VIA BROWSER PLUG-IN, CREATES TEMPORARY URL ENTRY & ADDS TIMESTAMP & USERID TO ENTRY

USER'S SHARING STATUS = ON?

YES

SYSTEM SETS TEMPPAGE TITLE = "PUBLIC"  
SYSTEM SETS TEMPSTATUS = "PRIVATE"

NO

PAGE TITLE PRESENT WITHIN URL PAGE METADATA?

YES

SYSTEM SETS TEMPPAGE TITLE = METATAG PAGE TITLE  
SYSTEM SETS TEMPPAGE TITLE = NULL

NO

SYSTEM COMPARES URL TO VUD

URL ON VUD?

YES

A TO FIG. 12B

NO

B TO FIG. 12B
FROM FIG. 12A

PAGE TITLE ON VUD?

YES

TEMPPAGE TITLE = NULL?

YES

SYSTEM SETS TEMPPAGE TITLE = CORRESPONDING PAGE TITLE VALUE ON VUD

SYSTEM OVERWRITES VALUE HELD IN PAGE TITLE FIELD ON VUD WITH VALUE IN TEMPPAGE TITLE

SYSTEM SETS TEMPCATEGORY = CORRESPONDING CATEGORY(S)

CATEGORY FOR URL EXISTS ON VUD?

YES

SYSTEM SETS TEMPCATEGORY = "UNCATEGORIZED"

SYSTEM CHECKS IF URL EXISTS ON LOGO DATABASE [ULD]

URL ON LOGO DATABASE?

YES

SYSTEM SETS TEMPlOGO = CORRESPONDING LOGO IMAGE

SYSTEM SETS TEMPLOCATION = VIEW

CAPTURE/TRACK

FROM FIG. 12A

B

FIG. 12B
1341 Monitor I/O Activity

1342 Activity

1343 New URL

1344 Add Old URL to VUD

1345 Emoticon

1346 Emoticon Process

1347 Comment

1348 Comment Process

1349 Rating

1350 Rating Process

1351 Send

1352 Send & URL to VUD

1353 Bookmark

1354 Bookmark & URL to VUD

1355 File & Item

Figure 13
Figure 14

1355 File & Item

1461 Listen/Watch

1463 Download

1465 Purchase

1467 Wish List

1469 Mobile

1471 Other

1462 AV Player & Item to VUD

1464 Download & Item to VUD

1466 Purchase & Item to VUD

1468 Wish List & Item to VUD

1470 Mobile & Item to VUD

1472 Other & Item to VUD
FIG. 16A
System should activate the Edit and Remove buttons.

System updates buddy and associated information in user's fatBubble buddy list.
1981: RETURN TO START

1982: User presses Send Invitation?
- Yes
  1983: System invites buddy by evoking user's IM tool and populating the message field with standard text and links
  1984: System checks if buddy is a fatBubble member
    - No
      1985: Buddy is a fatBubble member?
        - Yes
          PROMPT: "Your buddy is already a fb member..."
        - No
          System sets User's New&invited flags to "NO"
  - No
    1986: System queues invited buddy in pending member file
    1987: System stores buddy name with extensions (e.g., aol, icq, .odi, .yah)
    1988: System adds buddy and associated information to user's fatBubble buddy list
    1989: System allows user to notify buddy by evoking user's IM tool and populating the message field with standard text and links
    1990: System allows user to notify buddy by evoking user's IM tool and populating the message field with standard text and links
    1991: System sets User's New&invited flags to "NO"
ACL ADMINISTRATION SCREEN START

ACL By Topic Screen

Change View to "By Buddy"?

No

Cancel?

Yes

Go to Previous Screen

No

Page Marked as Amended

Prompt Save Changes?

Yes

Save Changes?

No

By Buddy Screen

System shows Corresponding Buddy List access level

Topic Folder?

Yes

System alters Buddy Name display to normal text and marks page as amended

No

System alters Buddy Name display to grey text and marks page as amended

Buddy Name tick box?

Yes

Deselected Buddy Name?

Yes

Update Buddy access flags

No

Submit?

Yes

Figure 20
FIG. 22
AUTOMATED VLD TOPICS & DESCRIPTIONS UPDATE ROUTINE

SYSTEM COMPARES ALL VLD ENTRIES AGAINST EXTERNAL LOCATION CATEGORIZATION & DESCRIPTION DATABASE ENTRIES AND UPDATES THE VLD ENTRIES WITH MATCHED CORRESPONDING CATEGORIZATIONS & DESCRIPTIONS ENTRIES. ALL VLD ENTRIES THAT ARE NOT MATCHABLE ARE MARKED AS "UNKNOWN"

EXTERNAL DATABASE OF LOCATION CATEGORIZATIONS AND DESCRIPTIONS e.g., YELLOW PAGES.COM, AUTODESK, etc.

LOCATION TOPIC/DESCRIPTION MATCH EXCEPTIONS DATABASE [LTMED]

FIG. 24
METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES

Matter enclosed in heavy brackets […] appears in the original patent but forms no part of this reissue specification; matter printed in italics indicates the additions made by reissue.

The present application is a continuation of application Ser. No. 12/172,518, filed on Jul. 14, 2008 now U.S. Pat. No. Re. 41,450, which is a reissue application of U.S. Pat. No. 7,080,159 which issued on Jul. 18, 2006.

BACKGROUND OF THE INVENTION

The Internet has opened up new channels of communication and vectors of influence over decision-making. Web sites, peer-to-peer technologies, e-mail and instant messengers are new communication technologies, which have major impacts.

Advertisers and marketers have shown great interest in the influence of these new technologies. However, it is difficult to observe the channels of communication or vectors of influence using traditional market research methods.

Users of the new communication technologies have been particularly quick to embrace instant messaging. Users desire new ways of sharing friends the experiences they have and discoveries they make using the new communication technologies.

Therefore, there is an opportunity to introduce a new technology, a method and device which provide a new way of sharing experiences, potentially allowing advertisers and marketers to study channels of communication and vectors of influence at the same time.

SUMMARY OF THE INVENTION

The present invention includes methods and devices for sharing communication device usage experiences, including computer usage experiences. Particular aspects of the present invention are described in the claims, specification and drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram of interrelated components of systems practicing aspects of the present invention.

FIG. 2 is a user interface for logging in or creating a new account.

FIG. 3 is a user interface for providing access to system features.

FIGS. 4 and 5 are user interfaces for inviting a “buddy” to join in practicing aspects of the present invention.

FIGS. 6 and 7 are user interfaces for sending a buddy an item.

FIGS. 8A-8D are aspects of a user interface for administration of a buddy list.

FIG. 9 is a user interface for viewing activity of buddies. The interface illustrated applies as well to viewing of other item or location related data.

FIG. 10 is a user interface for viewing a so-called hits list, combined with a user interface for viewing activity. The interface illustrated applies as well to viewing of other item or location related data.

FIG. 11 is a user interface for viewing details regarding particular items. This user interface is combined, like FIG. 10, with a user interface for viewing activity.

FIGS. [12-14] 12A-14 are flowcharts illustrating the capture of URL related data from a user. The actions illustrated by these flowcharts apply as well to capture of other item or location related data.

FIG. 15 is a flowchart of automated updating of a visited URL database (“VUD”), with exception processing. The actions illustrated by these flowcharts apply as well to updating of databases reflecting captures of other item or location related data.

FIG. 16 is a flowchart of an activity viewer. The actions illustrated by these flowcharts apply as well to viewing of other item or location related data.

FIGS. 17-19 are flowcharts of buddy list and access control list (“ACL”) administration.

FIGS. 20-21 is flowcharts of access control list interface actions.

FIG. 22 is a flowchart of the batch and custom query processes.

FIG. 23 extends aspects of the present invention to wireless devices, such as cellular telephones and pagers.

FIG. 24 is a flowchart of populating the visited location database (“VLD”).

DETAILED DESCRIPTION

The following detailed description is made with reference to the figures. Preferred embodiments are described to illustrate the present invention, not to limit its scope, which is defined by the claims. Those of ordinary skill in the art will recognize a variety of equivalent variations on the description that follows.

A common theme among aspects of the present invention is collecting data regarding a user’s computer usage experience and sharing that data. So-called “buddies” identified on buddy lists of instant messaging products can share selected aspects of their computer usage experiences. Administrative tools and processes can be provided to set up selective collection and sharing of data. Collection tools and processes operate on a variety of computer usage activities and user responses to their computer usage experiences. Processing tools and methods filter, integrate and correlate the collected data. Display tools and processes make portions of the data accessible on a pre-defined basis, such as according to defined rights of buddies. Aggregation tools and processes assemble statistics about user experiences across different buses, such as buddy lists, categories of users, and all service participants.

DATA COMPILED

Aspects of the present invention include building and making accessible various databases and combinations of databases. The databases specifically described below are illustrated in one or another of the figures; reference numbers are provided for ease of reference. One database is a visited URL database (“VUD”) 100A. A VUD stores URLs visited by users, or by participants. More generally, a user could visit a web site, listen to or watch content, rate a site or content, assign an emotion or quick comment to a site or content, send or bookmark a site or content or download data; a VUD entry could result. A rating may be thumbs up or thumbs down or its equivalent, a scaled alpha or numeric rating or its equivalent. An emotion is an icon conveying a reaction, such as: "", "(’”, “(’’)”, "(’")", "(’")", etc. Quick comments may be
user defined and later accessible through a menu, usu. a pull-down menu. In addition to URLs, the database stores additional information such as page title, address, description, categories applicable to the URL, metadata, names of users accessing the URL, timestamps of visits, ratings of the URL, emoticons evaluating the URL, comments on and bookmarks to the URL, or keywords for retrieval. The page title, address, description and metadata may be ascertained from visiting the URL itself. With assistance of the URL's author, metadata may include suggested categorization. Alternatively, categorization may be provided by an existing content analysis provider, such as Yahoo! or the Open Source Directory Project at www.dmoz.org 1506. A further alternative is that content could be categorized by a service provider or other sponsor, either for web content or for intranet, extranet or other network content.

An ud (URL database) used to practice aspects of the present invention is the visited location database ("VLD") 1003. A VLD stores similar information for locations visited by users or participants carrying portable devices. For instance, a Bluetooth equipped cell phone or pager could interact with a location that a user entered. Walking in the door of a popular restaurant, nightclub or other location could trigger an interaction between a Bluetooth device and a Bluetooth access point sponsored at the location. The Bluetooth device could learn the location visited and report that location immediately or later when the device returned to the proximity of a home access point or the device docked with a home access point. Alternatively, the Bluetooth device could disclose its identity to a Bluetooth access point at a particular location and the access point could report the visit. The user of the Bluetooth device could have the same options for providing additional information regarding the location, as for URLs. The VLD also could store geographic information regarding the location, such as geo-coded data. Several equivalent methods of associating a portable device with a location are available. Sophisticated networks may fingerprint, triangulate or otherwise locate a wireless device based on radio signal characteristics. Sophisticated devices may include circuits that determine the device’s location; these circuits may utilize GPS, DGPS, Loran or any other location fixing protocol. The physics of how the device and the location are associated are relatively unimportant; an independent service may be used to track locations visited by a user based on any of the protocols identified above or any other protocol.

The VUD and VLD databases are readily extended to a visited item database 100, which could include items on a computer, intranet, extranet or any network. These items may be data such as multimedia files, XML documents, database searches or virtually any other material. One distinction between practices of aspects of the present invention and general database processing is storing user-based information, such as the user’s pattern of visiting and the user’s rating, emoticon or comments regarding an item and making stored, user-based information available to buddies. Collectively, VUDs, VLDs and visited item databases can be referred to as VXDs. Reference to one of the three VXDs is intended to refer to all three, unless the context makes it clear that only one of the three applies.

Access control lists ("ACLs") 102, 103, 104, 1609 also can be maintained as databases. An ACL identifies buddies and controls their access to VUD, VLD, visited item and other activity-related data. A user could set up his or her own ACL via buddy list and access control list administration functions. An enterprise could set up ACLs for enterprise users. ACL-like data compiled for instant messaging products could be accessed and utilized to compile ACLs for users or enterprises.

A URL logo database ("ULD") 101 can be useful for associating logos with websites. The logos may be sponsors, advertisers or others who provide support for operation of a service practicing aspects of the present invention.

Item categorization for VUD, VLD or visited items can generate exception databases, such as an item match exceptions database (for instance, a URL match exceptions database ("UMED") 1505) or a topic match exceptions database ("TMED") 1507. These exception databases record data which require further attention after initial processing to update the VUD, VLD or a visited item database.

An activity viewer database ("AVD") 1610 can store information associating particular users with URLs, locations or items. Raw data regarding user activity is filtered and matched with entries from the VUD, VLD or visited item database to create the AVD. The AVD holds users’ activity parsed into a format for display via the Activity Viewer. It includes the activity, internal flag settings, the URL, the page title, the logo, the username, the timestamp & category for an entry. If a user filters the display of data on the Activity Viewer, data is pulled from this database.

Batch query results can be stored in a database, a "BQD" 2211. Pre-defined queries can be run against the VUD, VLD or visited item database. For instance, top 10 hits, top 50 hits or top 100 hits in a wide range of categories are most efficiently recalculated periodically on a batch basis, rather than in response to ad hoc inquiries.

Third party location detection data can be stored in a detection network directory 2312. Third party data can be provided as received, on an interrupt-like basis, or in response to periodic requests, on a polling or batch basis. Location categorizations and descriptions 2413, e.g., Yellow Pages.Com, AutoDesk, etc. can be used to provide supplemental information about locations.

Location/topic entries which require further attention, after processing to update the VLD, can be stored in another match exceptions database, a "LTMED" 2414.

One aspect of practicing the present invention can include tying into a user’s instant messaging products or, more generally, into the user’s messaging facilities. For instant messaging ("IM"), users or participants typically set up so-called buddy lists. Other users or participants agree to participate in instant messaging. One IM user can send an instant message to another IM user, if their IM products are compatible. The two can carry on a dialog or a so-called "chat". More than two users may be included in a real-time chat, when the instant messaging product allows multiple participants. Examples of instant messaging products include AOL’s Instant Messenger software, MSN Messenger software, Yahoo! Messenger software, America Online’s ICQ software, Odigo’s instant messenger software and Jabber’s instant messenger software. Reciprocal inclusion on buddy lists typically involves a closer relationship between participants than inclusion on an e-mail mailing list or directory, but this is not necessarily the case. Buddy lists sometimes are shorter and more selective than general messaging lists or directories.

The present invention also may be applied to a user’s messaging facilities by selectively enabling others listed on a general e-mail or messaging list or directory to participate. Selectively enabling others limits the intrusion on a user’s privacy and limits various administrative (e.g., setup and administration) and responsive (e.g., junk mail) burdens.
Alternatively, group functions used for other e-mail or messaging purposes can be a basis for defining rights to sharing of activity data.

OVERVIEW AND USER INTERFACES

FIG. 1 is a block diagram of interrelated components of systems practicing aspects of the present invention. Tracked activity may include Internet activity 120, wireless network location track and interaction activity 121 and enterprise intranet activity 122. Activities tracked in these domains may include view, listen, rate, comment, assign emoticon, send, watch, download, bookmark or visit. A user views a URL, watches a visual presentation and listens to an audio presentation. A user visits a restaurant or other location. A user who views, watches, listens or visits may respond to their experience. A user’s response may be to rate, comment, assign an emoticon, send information to a buddy, download data or bookmark an item for later access.

Data stored regarding an experience may include VUD, VLD or VXO databases 100, a logo database for URLs, locations or items 101 and a variety of ACL databases. The access control lists can be maintained at the service provider level 104, the enterprise level 102 or the individual user level 103.

Data 130 reflecting individual experiences and aggregated experiences can be accessed or reported in a variety of ways. An activity viewer running on a user’s system 131, either fixed or portable, can appear in a window. Reports on locations, either the experiences of others visiting the location or the proximity of buddies or buddies of buddies can be reported automatically to Bluetooth enabled wireless devices 132 when such devices reach a location or are in contact with a location-sponsored Bluetooth access point. Wireless devices can be synchronized 133 when reasonable bandwidth is available to retain data that would be too voluminous to access via a low bandwidth connection. The interfaces of instant message tools 134 can serve as an output channel, as licensing arrangements become available. Physical reports 135 can be printed for analysis. These reports can cover analysis of interactions among participants and spreading of information from one user to others.

FIG. 2 is a user interface for logging in or creating a new account. In one embodiment, separate fields can be provided for user name 251 and password 254. In other embodiments, these fields could be combined. After filling in identification data, a user may select a sign on link 253 or press the enter, return key or other key or may take another action such as speaking a command or winking an eye, which triggers processing of the completed fields. A link is provided for creating a new user 252, which may be on demand or subject to an approval process. A new user can either be a new user for a registered user or a new registration. A user who forgot their password may use one of the commonly employed password recovery schemes, by selecting a forgotten password link 255. An additional link for new user registration is provided 256. In one embodiment, the system implements a strict, anonymous access privacy policy and does not collect any information about the user which could be used for identification of the user or compilation of a database of user-identified activities. In another embodiment, the user can chose the amount of information that the user provides and corresponding services that are enabled by providing information such as an e-mail address. In this second embodiment, the system can publish a range of privacy policies, including a default, and ask the user to opt-in to a specific privacy policy, which may include providing the user’s name or e-mail address to a handful of select vendors that have products responsive or keyed to the user’s shared activities.

FIG. 3 is a user interface for providing access to system features. The embodiment illustrated is a relatively low profile access window. A lower profile access window can be provided via an icon that is visually accessible, such as a floating menu bar having an always on top attribute or an icon in a system tray. Pressing a hot key is an alternative way to bring an access window into view. The access window illustrated in FIG. 3 has many features, which can be included in a wide variety of combinations. The service provider logo 360 doubles as providing access to features not immediately visible. These features may include maximize, minimize, quit or selection of a particular display format. A current selection 361 identifies a current context, such as viewing an aggregated list of the best Hip Hop music of 2000. Rating choices 362 such as thumbs up and thumbs down or emoticons allow a user to instantly express their view regarding the current context with a simple action, such as a single click of a mouse. A user who wants to say more about their experience can select a comments button 363 to activate a window for entering comments. A scroll button 364 also supports entry of free form comments, definition of user comments, selection from among user comments, or selection of emoticons, either system supplied or user defined emoticons. When the scroll button 364 is used, the default item may change from “comments.” Other button choices 363 can be provided to a user, in addition to comments, such as emoticons or sending the current context to one or more buddies. A send button 365 is immediately accessible and activates a window for selecting recipients of information from the current context. The current context may be a list or a particular item, either from a hit list or the like or from the user’s own activities.

The sharing status toggle 366 allows a user to turn sharing on and off. When sharing is on, rights defined in the ACL provide access for buddies to the user’s activity. When sharing is off, the user’s activity will not be shared with buddies. However, the user’s activity may still be recorded to a tracking server either for aggregation or to be associated with the user but not reported to buddies. The user’s options or access to information may be limited when sharing is off, tending to encourage the user to leave sharing activated. The window maximize control 367 allows direct access to maximizing the window to a pre-selected format.

Other aspects of this interface include space for a banner 368 (either static or moving), an invite button 369, a hot list access 370, a search entry window 371 and a search button 372. The banner could be used to generate advertising revenue. The invite button 369 provides access to an invite interface such as FIG. 4. The hot list access 370 provides access to one or more options and access formats for aggregate ratings of items. The ratings may reflect the frequency of access to an item or rating scores assigned by users. The rating scores may be thumbs up/down or any of the other scoring approaches mentioned above. The search entry window 371 accepts text and logical connectors. The find button 372 can be implemented to search titles of items accessed by participants, content of such items, the Internet, an intranet or another domain of interest.

FIGS. 4-5 are aspects of an interface for inviting others to become buddies. FIG. 4 is one of many possible initial invitation interfaces. An instant messaging select button 473 allows a user to identify an instant messaging product which maintains a list of buddies who can be invited to join a group. In some implementations, such as an enterprise implementation, a network directory such as a Novell, NT or Windows 2000 server directory of users may be accessed instead of an
instant messaging product. In other implementations, an e-mail system user directory may be accessed for users to invite. Group membership for enterprise implementations alternatively may be administered by a security department, instead of individual users. A scroll button 474 allows a user who has more than one source of lists, such as more than one instant messaging product, to select the user to be invited. The screen name window 475 accepts a text string. It may provide assisted field completion, including a list of near matches. For some implementations, such as AIM or Yahoo IM, the screen name may be a name. For other implementations, such as Indigo and ICQ, the screen name may be a number which ties to a name, which may be locally unique or not unique at all. These alternatives are further presented in the discussion of FIG. 17, below. A send button 476 triggers transmission of an invitation to the identified buddy or other potential participant. The transmission may include a text message delivered by the instant messaging tool with a hyperlink for the recipient to sign up. The done button 477 signals that the user is done inviting buddies. A more information button 478 provides a help function.

FIG. 5 is an invitation follow-up interface. In some embodiments of the invitation process, there is no feedback from the instant messaging tool to an invitation process. The invitation process may query the user to determine whether an invitation was sent successfully. This interface provides a user with three alternative responses. If the instant message transmission was successful, the user indicates “yes” 582. If the user attempted the instant messaging invitation, but the buddy was not available, the user may press the e-mail link 581. Alternatively, the user may elect to invite the buddy again later 583. Then, the buddy’s name will appear on a buddy administration list (FIG. 8A) with a link such as “resend invitation.” The system may allow a user to clink on an entry in a list and resend the invitation, preferably when the invitee is on line. In other embodiments, or using other instant messaging products, the IM product may ensure delivery of the message when the recipient is not instantly available. Yet another approach is for the IM product to provide direct feedback to the activity sharing processes, so that an invitation or other follow-up interface appears only when needed and so that the user never needs to confirm that an invitation or item was successfully sent.

FIG. 6 depicts an interface for sending an item to a buddy. This interface may be invoked, for instance, by selecting the send button 365. The item being sent is identified 691. The item identification 691 may be linked to the item, a pull-down menu of items recently viewed or recently sent, or to a dialogue for selecting an item to send. The user selects between sending the item, a link to the item or other item-related information to a buddy who has enrolled to share activity data or to a person listed as an instant messaging buddy. In an enterprise implementation, as described above, the user might select an address from a network registry of users or an e-mail list. A personal note 695 may be sent along with an item. The system may be configured so that the personal note is not retained on the tracking server or so that it is retained. The send button item 696 signals that the items should be sent. The cancel button 697 indicates that the item is not to be sent. Either the send or cancel button can be accompanied by a confirmation screen.

FIG. 7 is a confirmation interface for items sent. The three choices are as in FIG. 5: to confirm that the message was sent 799 “yes”; to resend the item by e-mail 798; or to queue it to be resent later 799 “later.”

FIGS. 8A-8D depict interfaces for administration of buddy lists. The embodiments depicted are adapted to integration with instant messaging products. Slightly different embodiments would be better adapted to e-mail or other types of messaging facilities, such as Lotus Notes. FIG. 8A depicts one embodiment of a buddy list. A link is provided 851 for inviting a new buddy. An alternate link for adding a user may appear in the list of buddies 856. The columns provided in this embodiment include a tick box 852, a buddy name 853, and one or more instant messaging contact links 854. The tick box 852 may be used to delete several selected buddies. The buddy name column 853 includes both buddy names and options to resend an invitation or add a new user. The buddy names may be active links which lead to additional interfaces, such as those depicted in FIGS. 8B-8D. The contact column 854 lists one or more instant messaging contact links. The extension following the link may identify a particular instant messaging tool. The link may be in the form of the user ID applicable to a particular instant messaging tool. This interface also includes a link for deleting selected buddies 857 and for indicating completion of buddy list administration 858.

FIG. 8B is another of the buddy list administration interfaces. The name of the buddy being profiled appears as a header 861. Optionally, a group of buddies may be administered. Related buddy administration screens include a buddy overview screen 862, contact information 863, topic sharing rights 864 and file sharing rights 865. The user may either view 866 or edit 867 information regarding a buddy or group of buddies. More information can be obtained by clicking a link 868. For particular buddy, a particular instant messaging tool is selected 869 and instant messaging ID is entered or selected 870. When a buddy has more than one instant messaging tool or ID, a user may select a link for adding additional links 871. The interface adds more rows, including more options for instant messaging tools and instant messaging ID’s 872, 873. More than one instant messaging ID may be assigned to a buddy for a particular instant messaging tool. When the contact information is complete, the user selects the save changes link.

FIG. 8C uses tick boxes to select files or folders to be shared by default. Both default and particular user or user group administration is supported. Tick boxes 881 and directory or file names 882 can be used. Additional files or folders can be added to a list 883. Alternatively, a Windows Explorer-style file directory tree can be used to select files and directories, as is done for backing up and restoring files or directories. Additional fields and links in FIG. 8C have the same placement and usage as in FIG. 8B.

FIG. 8D is a topic sharing interface. Both default and particular user or user group administration is supported. Tick boxes 891 and topic or sub topic names 892 can be used. Additional topics can be added to a list 893. Alternatively, a browser-style bookmark tree can be used to select topics. Additional fields and links in FIG. 8B have the same placement and usage as in the previous figures.

FLOWCHARTS

FIG. 9 is a user interface for viewing activity of buddies. The interface is adjusted as well to viewing of other item or location related data. Tab 963 indicates that the activity-viewing mode of the interface is currently active. Other tabs may be provided for people 962, files 964, messages 965 or summaries 966. The people tab 962 may invoke buddy list administration. The files tab 964 may invoke a hierarchical representation of the user’s file system and selection boxes for designating directories and files, relative to particular buddies. The buddy may appear as columns adjacent to the file system representation or with a separate list, with selection
boxes for users to be associated with particular rights. The message tab 965 may provide access to a message repository. Button 961 provides access to commands such as minimize, maximize, always on top, etc., which were previously discussed in the context of FIG. 3. The sharing button and indicator 967 behaves as previously described, also in the context of FIG. 3. In this embodiment, additional controls are provided in a row below the tabs and sharing button. Three filters 971, 972 and 973 are provided. The who filter 971 specifies whose activity is of interest: for instance, all buddies or a user-defined group of buddies. The topic filter 972 selects one or more pre-defined topics. The view filter 973 allows viewing of all or selected portions of a participant’s activity by topic. For instance, only items bookmarked or sent to others may be of interest, in a domain having substantial activity. A keyword search is in effect a fourth filter, including the search term within 974, the find button 975 and the advanced find button 976.

Several rows of information responsive to the filters 971-976 appear in FIG. 9. The columns of information displayed for each row include who 981 did 892 what 984 where 985 in what topic area 982 when 988. Ratings 986 and comments 987 also may be provided. This interface can convey a substantial amount of information compactly. The who column 981 may use short labels, especially when the buddy list is short or subgroups of buddies are created. The did column 982 is compactly represented by an icon, from a recognizably short list of activity types. The icons depicted in this figure may signify viewing, visiting and sending items. Each of the activities mentioned above may be assigned an icon. The topic column 983 also is compactly represented by an icon. The variety of topics may be larger than the variety of activities. User defined subtopics may complicate the selection of icons. In some instances, a user may need to access more detailed information about an activity in order to understand the topic involved. This detailed information may be available through the topic filter 972 or by selecting a particular line including the icon. The what column 984 is an informative title for the item identified. For a URL, a page title may be more informative than the URL. Accordingly, page titles may be stored for URLs, to guard against loss of the page title when a content provider updates the page. Similarly useful shorthands for other types of items may be used. For instance, the name of a restaurant may be used instead of its Bluetooth access point address. The where column 985 is an opportunity to display banners, which may generate user impressions and revenue. Display of banners may be limited to vendors who pay a fee for preferential banner display. The rating column 986 may use a graphic, a color or a symbol to indicate a rating. In this embodiment, icons for thumbs up/down are depicted. The thoughts column 987 may support either free text comments or pick-list comments such as emoticons or user-defined quick comments. The when column 988 records a date and time of an activity. A send button 989 is included. In this embodiment, it appears as a large button on a bottom row, instead of as an icon near the sharing button. Row select commands, such as mouse-click, shift mouse-click and control mouse-click can be used to select one or more rows prior to selecting the send button.

FIG. 10 is a user interface for viewing a so-called hits list, combined with a user interface for viewing activity. The interface illustrated applies as well to viewing of other item or location related data. The bottom part of this interface combines features found in FIGS. 3 and 9. Much of the two rows 1070 is taken from FIG. 3. The who filter 1081 is from FIG. 9. The item rows 1071 are generally as in FIG. 9, with an added column for send buttons 1082. Next and previous buttons 1084, 1085 are provided for scrolling through activities.

The top part of the FIG. 10 interface is a hits list. The title line 1081 identifies the category of hits, in this instance a Top 10 list. Filter buttons are provided for activity type 1052, group of persons sampled 1053 and location of persons sampled 1054. When the desired filters are selected, the submit button 1055 signals for the screen to be refreshed. Three columns of information about these 10 hits are provided in this embodiment: rank 1061, what 1062 and where 1063. These columns have been explained above, except the ranking, which is ordinal. The coincidence in this example between data lines in the top 10 list and in the activities is unlikely ever to occur in random in actual use; the repeat of the same lines twice in a top 10 list also is unlikely to occur in actual use.

FIG. 11 is a user interface for viewing details regarding particular items. This user interface is combined, like FIG. 10, with a user interface for viewing activity. The bottom part of this interface, 1070, 1071, is as in FIG. 10. The top part includes two windows: 1151 through 1154 and 1155 through 1167. The larger frame in the top part displays search results, annotated with buddy-related information. The search string appears at the top 1155 along with summary search statistics 1158. Both category results 1156 and individual items have been returned in this example. One category 1156 has been returned. Three items responsive to the search have been returned, each beginning with a title 1157. Information for an item may include a buddies rating 1161. The number of buddies of the user who have commented on the site is indicated parenthetically. A summary ”thumbs up” is indicated and a percentage of favorable ratings appear. (In actual use, 78% would not be reported from a sample of three ratings.) In addition to user-buddy ratings, other group ratings can be reported. In this instance, ratings aggregated against all registered users 1162 are reported. The second group could be user selected. In an enterprise implementation, it could be a division, subsidiary, a whole enterprise or any other pre-defined group. The ratings 1161, 1162 need not be up-to-the-moment ratings, they may be compiled periodically in a batch mode. The information for an item may include a site furnished text 1163, a review furnished description 1164, one or more categories applicable to the item 1165 and links for retrieving a cached copy 1166 or similar pages 1167. The cached copy retrieval 1166 may be an alternative to retrieving a live copy of the item 1157, which is useful when an item is deleted or moved after it is indexed.

The inset to FIG. 11, 1151-54, is intended to provide detailed information related one or more of the items displayed. The columns of detailed information in this embodiment include who 1151, when 1152, rating 1153, and comments or emoticons 1154. If there are more users then each can readily be displayed in a single inset, previous and next buttons can be used to scroll through a list. Alternatively, the list can be sized into a larger window. The list also could be filtered to select particular buddies or groups of buddies, date ranges, ratings or comments. The names of individual users and their comments can be linked to additional information or functions related to the individual and to the detailed free text comments.

FIGS. 12-14 are a flowchart illustrating the capture of URL related data from a user. The actions illustrated by this flowchart apply as well to capture of other item or location related data. FIGS. 12 and 13 are linked by the capture/track connector 1233. FIGS. 13 and 14 are linked by the file & item connector 1355. The flow in FIG. 12 begins with start 1201. The user may visit a URL 1202 utilizing any browser, from a
PC, telephone, PDA or other device. Others processes described in the context of visiting or viewing a URL, it may be applied to other item types as well. The URL visited is captured 1203. This capture may be accomplished via a browser plug-in, an independently running process, or in a variety of other ways. A page title or other descriptive text may be captured in addition to the URL address. The page title or other text is stored in a temporary variable, along with a timestamp and a user ID. In this embodiment, the capture process next has to determine whether in the user's sharing status is on 1204. If the sharing status is off 1205, the system sets the status of the item to private. In other embodiments, the system might all processing of the item. If the sharing status is on 1206, the system sets the status of the item to public. After the status is been sent, the process tests to determine whether metadata associated with the URL provides a page title 1207. If not 1208, the system stores a null indicator in a temporary variable.

If the metadata provides a page title 1209, the system stores the page title in a temporary variable. The system next compares the URL to entries in the VUD 1210. If the URL is found in VUD 1211, the system has to determine whether a page title is stored on the VUD 1221. If there is a page title on the VUD 1222, the system action depends on whether the page title variable has been set to null. If not, the system over writes the value on the VUD with the value of the temporary page title variable 1224. If the temporary page title variable is null, the page title stored on the VUD is used 1225. Next, the system determines whether the URL has been categorized on the VUD 1225. If not, the system sets a temporary category variable to uncategorized 1227. This is the same action that the system takes in the URL is not on the VUD 1211. If the URL has been categorized on the VUD, the system sets a temporary category variable based on the contents of the VUD 1226. The system checks to determine if the URL or a portion of the URL is logged in a logo database 1228. The logo or ULD database 101 holds vendor logo images that correspond to the vendor's URL's. If the vendor has not arranged for its logo to be stored on the VUD 1229, the system sets the temporary local variable to null 1231. If there is a corresponding logo, the temporary variable is set to the corresponding logo image 1230. The system sets a temporary activity variable to view 1232, corresponding to viewing a URL. The flow continues in FIG. 13.

FIG. 13 depicts processing of URL's behind the interfaces presented above. The user has several options after viewing a URL. Viewing the URL triggers background activities depicted in FIG. 12. While the user is viewing the URL, system monitors for activity 1341. If no activity is detected 1342, monitoring continues. When activity is detected, the system determines the type of activity 1343, 1345, 1347, 1349, 1351, 1353. When the user moves to a new URL 1343, the values stored in temporary variables for the old URL are added to the VUD 1344. The new URL is processed in accordance with FIG. 12. When the user selects an emoticon 1345, the system processes the user's selection 1346. The system may associate either a predefined emoticon with the URL or it may associate a user-defined emoticon with the URL. These values may be stored in a temporary variable until the user moves to a new URL or another user activity triggers storing data to the VUD. When the user decides to enter a free text comment 1347, the system processes the free text 1348. It associates a text string with the URL at a temporary location, which can later be transferred to the VUD. The system then resumes monitoring for URL activity 1341. The user selection of rating 1349 is processed 1350 in much the same way as an emoticon. In the embodiment described here, the rating is either thumbs up for thumbs down, a binary rating. Multi-value ratings can also be processed, such as a scale of 1 to 5, 1 to 7, or 1 to 9. The system then resumes monitoring for URL activity 1341. Choosing the send button 1351 causes two processing steps 1352. One or more items in the current context are sent to a buddy and the activity of sending the items is reported to a tracking server to be recorded in the VUD. The system then resumes monitoring for URL activity 1341. Processing that follows detection of a bookmark activity 1353 is similar to processing of a send activity. Either the instant messaging product or the system may process the actual creation of the bookmark. The activity of creating the bookmark is reported to a tracking server to be recorded in the VUD 1354. Again, the system then resumes monitoring for I/O activity 1341. Other activities, more often associated with an item other than a URL, are processed as depicted in FIG. 14.

A variety of activities may be associated with items other than URL's. Depending on the type of item involved, the user may listen to or watch the item 1461, download the item 1463, purchase the item 1465, put the item on a wish list 1467, transfer the item to a mobile device, such as a cell phone or PDA 1469, or select some other process 1471. In some circumstances, an unrecognized activity may occur 1473, which the system may either ignore or treat as an error condition. A listen to or watch activity 1461 causes the system to invoke a player and to record the action and properties of the item listened to or watched 1462. The recorded information is forwarded for addition to the VUD. A download activity invokes a process, which records the download action and properties of the item downloaded 1464. The recorded information is forwarded for addition to the VUD. A purchase activity 1465 invokes a process 1466, which records the purchase action and properties of the item purchased. The recorded information is forwarded for addition to the VUD. A wish list activity 1467 invokes a wish list process 1468 to maintain and add to the user's wish list. The wish list can be maintained as part of the VUD or in a separate database. The information can be maintained redundantly as part of the VUD and as the result of a batch query. When the activity is to transfer the item to a mobile device 1469, the system invokes a process for sending the information to the mobile device, records the action and properties of the items sent to the mobile device, and forwards the recorded information for addition to the VUD 1470. The processing of each of these activities in FIG. 14, with the possible exception of error processing 1473, leads back to monitoring for activity 1341.

FIG. 15 is a flowchart of automated updating of a visited URL database or VUD, with exception processing. The actions illustrated by these flowcharts apply as well to updating of databases reflecting captures of other item or location related data. An automated VUD updating routine 1511 updates keywords and metadata 1512 and topics 1513. The input for updating is a set of VUD update records from processing of user activity. Updating 1514 may take place and real-time or on a batch basis. The updating of keywords and metadata utilizes a URL spider and an external search engine index to gather URL indices, keywords and metadata for each VUD entry being updated from the Internet 1522. Unmatched entries are stored in an exceptions database 1505 and an exception report 1521 is generated. Data in the exceptions database ("UMED") may be manually added to the VUD. These exceptions also can be reproduced for instance, if Internet access is restored or improved. Additional processing takes place to update topics associated with VUD entries 1513. During processing 1515, the system compares VUD entries against one or more external URL categorization data-
bases, such as the database provided by the Open Source Directory Project (www.dmoz.org). Matches are processed for addition to the VUD. VUD entries that do not match are marked as on categorized and stored in an exceptions database 1507. Data in this topic exceptions database (“TMED”) may be added manually to the VUD or reprocessed any time. Additional items to the exceptions database may cause an exceptions report 1523 to be generated.

FIG. 16 is a flow chart of an activity viewer. The actions illustrated by this flowchart apply as well to viewing of URL, other item or location related data. The activity display population routine 1621 supports the interface 1629, which previously has been discussed in the context of FIG. 9. The system keys 1622 on fields which provide access to the relevant database, such as the VUD, VLD 100 or VXD. For VUD entries, user ID and topic may be used as a key. Alternatively, the key may be fields which match fillers available to or selected by the user. For a visited location, user ID and location or action may be used as a key. The system 1622 matches data from the relevant database 100 with the user ACL database 1609. This matching may run periodically on a schedule set by the system administrator or it may run on demand. Data “matches” when the ACL database authorizes the requester or a particular user to have access (e.g., by user ID and topic) to the VXD entry and the status flag is public (as opposed to private) for the VXD entry. Matched data items are buffered 1623. For each buffered entry 1624, the system checks for the existence of a location on the location logo database (“LLD”) 1608. Processing depends on whether or not a logo exists 1625. If it exists, the system sets a temporary variable corresponding to the logo image retrieved from the database 1626. Otherwise, the logo space is left blank. Each matched entry is added 1627 to the corresponding shared users file within the activity viewer database (“AVD”) 1610. The system populates activity viewers of logged-in users by pulling entries from the AVD 1628. User ID, action, item, location, category, rating, emoticon, comment, time, or other relevant field may filter the displayed data from the AVD. The activity viewer of the user refreshes the activity display automatically. The frequency for this refresh may be set by a system administrator and may be modified by the user.

FIGS. 17-19 are flow charts of buddy list and access control list (“ACL”) administration. The after the administration processes invoked 1721, the process tests to determine whether the user of the system is a new user 1722. A new user may either be invited or not 1725. An invited user is prompted to a start their buddy list with the person who issued the invitation 1731. If the new user adds the person who invited them 1732, the new user optionally defines access rights 1735. The system then sets flags for new and invited status to “no” 1736. The system adds the buddy and associated information in the user’s buddy list to the ACL 1734 and loops back to start 1721 with the user flagged as not new. In the processing of the new user, if the new user is not invited 1725 or declines to add the person who invited them to the new user’s buddy list 1732, an error message is displayed indicating that at least one buddy must appear on a buddy list 1726. The user is routed to an add buddy screen 1733. This add buddy screen 1733 also may be reached by a non-new user who has an empty buddy list 1723 through the invite buddy error message 1726 or after the non-new user is shown their current buddy list 1724 and elects 1727 to add additional buddies. Processing of a non-new user who declines to add additional buddies proceeds to 1728, in FIG. 18. After the add buddy screen, the system checks the user’s IM tool flags to determine which instant messaging tools are available and to provide an adopted message to the user 1734. The user’s options 1738 may include asking for more information, canceling the addition of users or selecting an instant messaging tool such as AIM user, ICQ user, Odigo user or Yahoo IM user. The user may be required to confirm my pressing an OK button after selection of an instant messaging tool. If the user presses OK 1741, instead of cancel, the system tests to determine whether the user requests more information 1742 and provides an information screen 1745 upon request. The system also tests to determine whether the user requests shared topics information 1743 and provides an information screen 1746 on request. After information has been provided the system tests determine whether the user has selected one of the instant messaging options 1744. If not, the system loops and waits 1741. If an instant messaging tool has been selected, the system determines which class of instant messaging tool has been selected 1752. For some instant messaging tools, the system displays a name field 1754 and prompts the user to enter a new buddy 1756. For other instant messaging tools 1751, the system displays a user number field and prompts the user to enter a buddy number 1753. For both classes of instant messaging tools 1755, the user optionally defines access rights. Processing then continues to test for inviting a new buddy 1757, as described in FIG. 19.

FIG. 18 includes logic for editing entries in the buddy list, following other processing 1728. The system checks to determine whether one or more buddies have been selected 1861. If not, processing 1862 returns to a previous screen. If a buddy has been selected, processing depends on the number of buddies in the list 1863. If there are one or fewer buddies in the last 1864, the system activates only the end button. If there is more than one buddy in the list 1866, the system activates edit and remove buttons. The remove button is not activated for one or fewer buddies, as the system requires at least one buddy in a buddy list. The system checks to determine whether edit has been selected 1867. If not, it checks to determine whether remove has been selected 1868. If not, processing returns to the start 1865. If remove has been selected 1869, the system displays a confirmation screen and tests whether the remove command has been confirmed 1872. If not, the system loops again to test whether remove has been selected 1868. If confirmation is given 1874, the system removes one or more buddies from the user’s buddy list and returns to the start 1865. Remove will not have been selected if edit is selected 1871. The system responds to selection of edit with an edit user screen 1871. The user responds to the screen by editing any the fields of the selected buddy and clicking submit or cancel. The system tests to determine whether submit has been selected 1875 and, if so, tests to determine whether mandatory fields have been completed 1877. Mandatory fields may include the identity of the instant messaging tool and a user ID, either a name or user number, as appropriate. If some of the mandatory fields are incomplete, an error screen 1876 is displayed and the user is given a further opportunity to add any of the fields 1873. If the mandatory fields are completed, the system updates the buddy and associated information in the buddy list 1878 and returns to the start 1865. If the user clicks cancel instead of submit or otherwise fails to submit 1875, processing proceeds to test whether remove has been selected 1868. The processing from this point proceeds as described above.

FIG. 19 depicts logic for sending invitations to new prospective buddies. This logic complements other interface processing 1757. The system determines whether the user has selected the send invitation link 1982. If not, processing returns to the start 1981. If so, the system checks to determine whether the user being invited is already registered for services 1984. The system uses the prospective buddy’s IM tool
ID as a key. If the prospective buddy has more than one IM tool, the system may either use only a primary IM tool ID or may use all listed IM tool ID’s to check for current registration status. If the prospective buddy is not registered 1985, the system invites the buddy by invoking the user’s instant messaging tool and creating a message with standard text and a link to invoke a registration process 1983. The system queues the invited prospective buddy in a file of pending invitations 1986. The invited buddy’s ACL and instant messaging ID will be stored against a temporary registration ID. When the invited buddy responds to the invitation, the system will use the temporary ID to match the invitee against the queue. After an invitation has been made, the system marks the user’s buddy list as not empty 1989 and sets the user’s new and invited flags to “no”. For a the prospective buddy 1985 who is already registered, the system notifies the user of the prospective buddy’s status 1987 and stores the buddy name with relevant information, such as an identification of the instant messaging tool used by the buddy 1988. The system adds the buddy and associated information to the user’s buddy list 1990. The system allows the user to send messages to the buddy, including a message regarding their ACL status 1991. Either the user’s instant messaging tool with standard text and links or an e-mail message may be used for this purpose. The system sets the user’s new and invited flags to “no” 1992 and returns to start 1981.

FIGS. 20-21 are a flowchart for access control list administration. In FIG. 20, ACL administration begins with a start screen 2051. One sensible default organization is by topic 2052. In the “by topic” view, the system checks 2053 to determine whether a “by topic” view has been selected. If so, logic for displaying and processing the “by buddy” view is invoked 2054. If not, the system checks to determine whether the administration session has been canceled 2055. If “cancel” has been selected, the system determines whether the page has been marked as amended 2056. If the page has not been amended, the system returns to a previous screen 2050. If it has been marked as amended, the system prompts the user to save changes 2057 and tests whether the user wants to save changes. If not, the system simply reverts to a previous screen 2050. If so, the system updates various access flags and related data 2060 before reverting to the previous screen 2050. When “cancel” has not been selected, the system checks whether a buddy name has been de-selected 2063. If so, the display format of the buddy name may be altered to reinforce the de-selection and page is marked as amended 2064. Processing continues to determine whether “submit” has been selected 2065. If not, processing loops to 2053. If so, the update path 2066 is followed.

In FIG. 21, ACL administration proceeds from selection of the “by buddy” view 2054. This view is displayed 2172. The system determines whether the user has selected a change of view to “by topic”, for instance. If so, the display is changed 2171. If not, the system determines whether the user has selected “cancel” 2175. If “cancel” has been selected, the system determines whether the page has been marked as amended 2176. If the page has not been amended, the system returns to a previous screen 2174. If it has been marked as amended, the system prompts the user to save changes 2177 and tests whether the user wants to save changes 2178. If not, the system simply reverts to a previous screen 2174. If so, the system updates various access flags and related data 2186 before reverting to the previous screen 2174. When “cancel” has not been selected, the system checks whether a buddy folder has been selected 2179. If so, the system shows the corresponding topic list access level in a pane of the view screen 2180. The system then determines whether tick boxes adjacent to any topic name have been checked 2181. If so, the display format of the topic name may be altered to reinforce the tick mark, and the page is marked as amended 2182. Processing continues to determine whether a topic name has been de-selected 2183. If so, the display format of the topic name may be altered to reinforce the de-selection and the page is marked as amended 2184. Processing continues to determine whether “submit” has been selected 2185. If not, processing loops to before 2173. If so, the update path 2186 is followed.

FIG. 22 is a flow chart of the batch and custom query processes. Batch processing of requests 2251 may be useful to reduce response time for certain processing-intensive queries. For instance, scoring the top 10 or top 100 hits in a category may require a substantial amount of processing which the user would be unlikely to endure. The selection of a hit list may be from a menu, which means that the number of processing-intensive queries is limited and manageable. The system performs predefined queries 2252 against the VUD 100A and the VLD 100B or any similar database on a batch basis. The results are sent to a database of batch query results (“BQDR”) 2211. These predefined queries are accessible immediately to both Internet and wireless network queries. FIG. 22 distinguishes between Internet queries 2253 and wireless queries 2255. Internet queries may include both predefined queries and custom-built queries 2254. To the extent that wireless queries are hampered by limited bandwidth, wireless queries may be limited to predefined queries 2256. The processing of both types of queries is essentially the same 2257. The user submits a query to the system and the system either performs or real-time query 2258 or retrieves a predefined query from the batch query database 2259. The system returns results of the query to the user 2260.

FIG. 23 extends aspects of the present invention to wireless devices, such as cellular telephones and pagers. Processing of wireless location and action data begins at 2351. The user’s wireless communication device and location detection service is first activated 2352. It is necessary for the user to have a wireless device 2354, which supports a location detection service. This support may be by Bluetooth, GPS or any other location detection technology. Then, the link between location detection and activity sharing is activated 2353. A login process may be automated to execute whenever the wireless device 2354 is activated. Given the activation of a wireless device, the system periodically receives information regarding the location of the wireless device 2356. As described above, this may be on an interrupt, polling or periodic batch transfer basis. A location network directory 2312 is accessible, which reflects location of wireless devices 2354 and contains information such as the devices’ location address, location description, a timestamp, and user ID 2358. With this information, the system sets the action or activity type to “visit” a location and logs an entry into a visited location database 2358. The system also monitors 2355 for activity related to a location, such as bookmarking a location, rating a location, adding an emotion or comments about the location. Activity monitoring 2355 continues when no input/output activity is detected 2357. When input/output activity is detected, the system determines the type of activity. Typical activities include bookmarking 2359, rating, or adding an
emoticon 2363 or free text comment to a location reference. When a location is bookmarked 2359, the system adds a bookmark flag, location address, location description, a timestamp and a user ID to the VLD or a buffer for later addition to the VLD. When a location is rated 2361, the system adds the rating, location address, location description, a timestamp and the user ID to the VLD or a buffer for later addition to the VLD. When a location is flagged with an emoticon 2363, the system adds the emoticon, location address, location description, a timestamp and the user ID to the VLD or to a buffer for later addition to the VLD. Similarly, when a user makes a comment on a location 2365, the system adds the comment, location address, location description, a timestamp and the user ID to the VLD or to a buffer for later addition to the VLD. For each of these activities, fewer or more fields may be utilized in various embodiments.

FIG. 24 is a flow chart populating the visited location database ("VLD"). The process for updating topics and descriptions begins at 2451. The system compares 2452 all VLD entries or buffer entries for addition to the VLD against location category and location description database entries 2413. It updates the matching entries and records to categorization and descriptions to the VLD. Unmatched entries are recorded in an exceptions database 2414. This location-topic and location-description match exceptions database ("LT-MED") may be used to generate an exceptions report 2453. Matched entries are written to the VLD 1001.

APPLICATION EXAMPLES

The interfaces and software described above support many methods and devices for sharing communication device and computer usage experiences. One type of sharing communication device user experiences is sharing computer usage experiences, including Internet browsing experiences. Whichever communication device is used, sharing may depend on registration by a user with a registration server. Registration may involve downloading client software to run on the user's system. For enterprise applications, registration may be handled by a system administrator and integrated or coordinated with registration for network login, e-mail or other messaging. In some embodiments, registration may include contractual terms which limit the use of information collected from the user. In other embodiments, registration may be designed to exclude collection of certain user information, such as the user's e-mail address, actual name or physical address. Some users may feel more comfortable registering with the system if registration excludes collection of any information that identifies the user in a manner adapted to direct marketing. Even if registration excludes initial collection of user identifying information, the user may be given the option of entering additional personal information for general use by the providers of the system or for restricted use, in accordance with contractual terms. The registration process may make the user aware that at least a portion of the user's experiences with a communication device, computer or Internet browser will be collected and shared. It also may make the user aware that information collected from the user will be aggregated with information collected from other users.

Sharing communication device experiences also may include accessing one or more messaging buddy lists associated with the user. Accessing pre-existing buddy lists provides a base for linking the user and buddies with whom tracking data may be shared. Buddy lists may be maintained by AOL's Instant Messenger software, MSN's Messenger software, Yahoo! Messenger software, America Online's ICQ software, Indigo's instant messenger software or Jabber's instant messenger software. More generally, message recipient lists maintained in e-mail systems, such as Microsoft's Outlook products or AOL's Netscape products may maintain the lists that are accessed. Messaging systems such as Lotus Notes also may maintain message recipient lists that the system can access to identify persons with whom tracking data may be shared.

Buddies or groups of buddies are given defined rights to access tracking data collected from the user. Defined rights of buddies to access tracking data may be based on content categories of material accessed. Examples of content categories or topics can be found in FIG. 8D. Defined rights of buddies also could be based on keywords. Definition of rights to access tracking data collected from the user may have multiple aspects. Access may be restricted by the type of activity involved, such as viewing, listening, rating, commenting, assigning an emoticon, sending, watching, downloading, bookmarking or visiting. Access may be further restricted by when the activity potentially accessed took place. It may be restricted based on a value assigned to a rating or emoticon. It can also be restricted based on its original source. Activities marked private, instead of public, may never be shared, based on a user's decision to turn sharing off. There are many useful combinations of these approaches to define the rights of buddies or groups of buddies to access tracking data.

At least a portion of the user's computer usage experiences are tracked and reported to a tracking server. This tracking may be carried out by a module resident on the user's computer or by a device placed between the user's computer and an access point to the Internet. In an enterprise implementation, tracking can be carried out by a server or proxy server. The tracking data can be filtered before it is reported to the tracking server. Data may be filtered based on a sharing on/off option exercised by the user. It also may be filtered based on content categories. In some implementations, only those activities that fit content categories which the user agreed to share would be reported to the tracking server. Alternatively, activity could be reported to the tracking server that was never intended to be posted for access by buddies. The tracking server or a posting server could filter the information before posting it for buddies to access. The computer user experiences tracked could include viewing URLs, downloading files, listening to songs, viewing videos, making purchases, sending items from a user to their buddies, or general messaging between the user and buddies.

In addition to computer user experiences, mobile communication device locations can be tracked, using any of the technologies described above. Activities related to location may include visiting the location, rating, commenting on it, assigning an emoticon, or connecting with another buddy or buddy of a buddy at the location. Proximity to a location may be variation on visiting the location.

It further may be useful to categorize at least a portion of the tracking data by content. The categorized tracking data would be subject to filtering and sorting. Categorized tracking data also could be searchable by content category and date range. For instance, a particular buddy's viewing of stock-related sites containing the name "Cisco" during a one or two-month period could be located.

Tracking data can be posted, after filtering, for buddies to access according to their defined access rights. The interface for viewing activity reflected by the tracking data may include a send button, which allows a user to forward an item to a buddy, either with or without comment. Interface also may include rating an emoticon buttons. It may facilitate free text
comments on an item. These functions may apply to selected groups of items, in addition to applying to individual items. The buttons for free text comments and the feature for adding notes to items sent to buddies allow annotation of items.

The tracking process further may include generating a full text index of items viewed. This indexing may be performed in the context to viewing URLs or, in an enterprise implementation, in the context of the viewing internal work product or summaries of internal work product. Automated some regeneration may be combined with indexing, so that summaries are indexed.

Additional functionality of the system, which passively tracks activities of registered users may include tracing the flow of information or data among registered users. Information which is sent from a user to a buddy may be annotated with a history of users who forwarded the information. Alternatively, it may include a first user who forward the information and the immediately previous forwarding user. Or, it could identify a limited number of previous forwarding users. If less than a will history of users who forwarded the information is included with information sent from a user to a buddy, an analysis server may use a combination of times-tamps and forwarding information to determine the dissemination or diffusion information and the velocity at which it is disseminated. Social network theory provides a number of metrics for evaluating the dissemination or diffusion of information. The tracking capabilities which are an aspect of the present invention can readily be adapted to quantifying the relative influence of one or another user on their buddies, including the structure, frequency, extent and relative value of their influence. Certain users may be selected for introduction to information or new product releases. Certain users may be selected and rewarded as a result of efficient dissemination of information through their social network.

A system practicing aspects of the present invention can readily collect, collate and present user generated lists of superlatives regarding activities, products and services. List may be generated by time period, utilizing date stamps and activities, number of top items (10 or 50 or 100 top items) or other filtering criteria.

The availability of location information for mobile communication devices allows the system practicing aspects of the present invention to present information regarding buddies and buddies of buddies who may be present at the user's physical location. Based on tracking visits to locations, information can be generated such as a particular user's list of favorite restaurants or favorite boutiques. Patterns of visits to physical locations can be reported. Information can be presented to users based on locations recently visited.

Information associated with particular locations can be offered up to users of mobile communication devices, in a context sensitive mode. Categories of information such as buddies' ratings of nearby restaurants can be provided, utilizing location information generated from the mobile communication device and established buddy lists.

While the preceding example applications are cast in terms of a method, devices and systems employing this method are easily understood. A magnetic memory containing a program capable of practicing the claimed method is one such device. A computer system having memory loaded with a program practicing the claimed method is another such device. A system including a registration server and a tracking server practicing the methods described above is another such device.

While the present invention is disclosed by reference to the embodiments and examples detailed above, it is understood that these examples are intended in an illustrative rather than in a limiting sense. It is contemplated that modifications and combinations will readily occur to those skilled in the art, which modifications and combinations will be within the spirit of the invention and the scope of the following claims.

We claim:

1. A computer-implemented method of sharing computer user experiences, including:
   a) communicating with a registration server to register a user for automatic client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of browsing URLs or visiting a location with a location-aware device that records the visited location;
   b) enabling access to one or more of the user's messaging buddy lists and selecting a list of one or more buddies with whom to share the automatically collected computer usage experiences;
   c) defining a definition of categories of computer usage experiences to be shared with particular selected buddies; and
   d) tracking automatically on the client-side at least a portion of the user's computer usage experiences and reporting an indication of the user's computer usage experiences to a tracking server to be published to the particular buddies in accordance with their defined categories of sharing.

2. The method of claim 1, wherein the registration server and the tracking server are a single server.

3. The method of claim 1, wherein the registration server and the tracking server are distinct servers.

4. The method of claim 1, wherein registering the user excludes collection of the user's e-mail address.

5. The method of claim 1, wherein registering the user excludes collection of the user's actual name.

6. The method of claim 1, wherein registering the user excludes collection of the user's physical address.

7. The method of claim 1, wherein registering the user excludes collection of any information that identifies the user in a manner adapted to direct marketing.

8. The method of claim 1, wherein registering the user further includes establishing an anonymous unique identifier for the user.

9. The method of claim 8, wherein reporting the tracking information indicating the computer usage experiences to the tracking server includes reporting the anonymous unique identifier.

10. The method of claim 1, wherein the messaging buddy list is maintained by AOL's Instant Messenger software.

11. The method of claim 1, wherein the messaging buddy list is maintained by MSN Messenger software.

12. The method of claim 1, wherein the messaging buddy list is maintained by Yahoo! Messenger software.

13. The method of claim 1, wherein the messaging buddy list is maintained by America Online's ICQ software.

14. The method of claim 1, wherein the messaging buddy list is maintained by Odigo's instant messenger software.

15. The method of claim 1, wherein the messaging buddy list is maintained by Jabber's instant messenger software.

16. The method of claim 1, wherein the rights of the buddies are defined by content category of the user's computer usage.

17. The method of claim 1, wherein the rights of the buddies are defined by URLs viewed by the user are categorized into categories of computer usage experiences based on the appearance of one or more keywords on pages corresponding to the URLs viewed.
18. The method of claim 1, wherein the rights of the buddies access rights of the particular selected buddies include the categories of computer usage experiences to be shared with the particular selected buddies and are further defined by activity type of the user’s computer usage.

19. The method of claim 1, wherein the user utilizes a computer and tracking is carried out by a module resident on the computer.

20. The method of claim 1, wherein the tracking is carried out by a device placed between a computer utilized by the user and an access point to the Internet.

21. The method of claim 1, wherein the computer usage experiences tracked are filtered before being reported to the tracking server.

22. The method of claim 1, wherein the computer usage reported after it is reported to the tracking server and least it is processed for the buddies to access.

23. The method of claim 1, wherein the one or more messaging buddy list is maintained by an instant messaging software.

24. The method of claim 1, further including sending [tracking data regarding] the information indicating one of a user’s computer usage experiences to one or more buddies.

25. The method of claim 1, further including categorizing at least a portion of the tracking data user’s computer usage experiences by content and sorting the tracking data information indicating the user’s computer usage experiences reported to the tracking server by content category.

26. The method of claim 1, further including categorizing at least a portion of the tracking data user’s computer usage experiences by content and making the tracking data information indicating the user’s computer usage experiences reported to the tracking server searchable by content category and date range.

27. The method of claim 1, wherein posting further includes providing annotation tools for associating notes with individual tracking data entries.

28. The method of claim 1, wherein posting further includes providing annotation tools for associating ratings with individual tracking data entries.

29. The method of claim 1, wherein posting further includes indexing text portions of at least a portion of pages reported from tracking the user’s Internet usage.

30. The method of claim 29, wherein text indexing is limited to pages reported from tracking as having been annotated or forwarded by the user.

31. A method of sharing Internet browsing experiences, including:

   tracking automatically with a client-side application at least a portion of a user’s Internet usage and reporting the tracking data to a server;

   categorizing at least a portion of the reported tracking data by content category;

   presenting to the user a history of the reported tracking data, with tools for searching and forwarding the tracking data;

   receiving from the user data identifying of one or more persons on the user’s buddy lists and authorizing the persons to receive tracking data;

   responsive to a user request, sending one or more entries from the history of the reported tracking data to the authorized persons.

32. A method of sharing computer user experiences, including:

   registering a user with a registration server to collect and share visited location data using a client-side application collected while visiting a location with a location-aware device that records the visited location;

   accessing one or more of the user’s messaging buddy lists to identify one or more buddies with whom the tracking data may be shared;

   defining rights of the buddies to access the visited location data;

   posting at least a portion of the user’s visited location data for the buddies to access according to their defined rights.

33. The method of claim 1 wherein the computer usage experiences further include rating a geographic location.

34. The method of claim 1 wherein the computer usage experiences further include commenting on a geographic location.

35. The method of claim 1 wherein the computer usage experiences further include assigning an emoticon to a geographic location.

36. The method of claim 1 wherein the computer usage experiences further include connecting to another user at a geographic location.

37. The method of claim 1 wherein the computer usage experiences further include sending one or more items from the user to one or more other users.

38. The method of claim 1 wherein the computer usage experiences further include general messaging between the user and one or more other users.

39. The method of claim 1 wherein the computer usage experiences include browsing URLs.

40. The method of claim 1 wherein the computer usage experiences include visiting a location with a location-aware device records the location.

41. The method of claim 1, further comprising:

   enabling receipt and display of advertising information.

42. The method of claim 1 wherein certain computer usage experiences are shared after the user selectively enables sharing.

43. The method of claim 1 wherein the user selectively enables or disables sharing.

44. A non-transitory computer-readable medium storing software for instructing a controller of a computing device to:

   communicate with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: listening to songs, viewing videos, purchasing items, browsing URLs, and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location;

   enable access to one or more lists of other users and selection of one or more other users from the one or more lists of other users with whom to share the computer usage experiences;

   enable definition of categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; and

   track automatically and passively on the client-side at least a portion of the computer usage experiences of the user and automatically report information indicating the at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with the defined categories.
45. The computer-readable medium of claim 44, wherein the registration server and the tracking server are a single server.

46. The computer-readable medium of claim 44, wherein the registration server and the tracking server are distinct servers.

47. The computer-readable medium of claim 44, wherein registering the user excludes collection of the user’s e-mail address.

48. The computer-readable medium of claim 44, wherein registering the user excludes collection of the user’s name.

49. The computer-readable medium of claim 44, wherein registering the user excludes collection of the user’s actual name.

50. The computer-readable medium of claim 44, wherein registering the user excludes collection of any information that identifies the user in a manner adapted to direct marketing.

51. The computer-readable medium of claim 44, wherein registering the user further includes establishing an anonymous unique identifier for the user.

52. The computer-readable medium of claim 44, wherein the information indicating the computer usage experiences reported to the tracking server includes the anonymous unique identifier.

53. The computer-readable medium of claim 44, wherein at least one of the one or more lists of other users is a messaging buddy list.

54. The computer-readable medium of claim 44, wherein at least one of the one or more lists of other users is an e-mail contact list.

55. The computer-readable medium of claim 44, wherein at least one of the one or more lists of other users is a contact list maintained by a software application.

56. The computer-readable medium of claim 44, wherein at least one of the one or more lists of other users is a network registry.

57. The computer-readable medium of claim 44, wherein URLs viewed by the user are categorized into categories of computer usage experiences based on the appearance of one or more keywords on pages corresponding to the URLs viewed.

58. The computer-readable medium of claim 44, wherein access rights of the particular selected other users include the categories of computer usage experiences to be shared with the particular selected other users and are further defined by activity type of the user’s computing device usage.

59. The computer-readable medium of claim 44, wherein the computing device is a device placed between a device utilized by the user and an access point to the Internet.

60. The computer-readable medium of claim 44, wherein the computer usage experiences tracked are filtered before being reported to the tracking server.

61. The computer-readable medium of claim 44, wherein at least one of the one or more lists of other users is a messaging buddy list maintained by an instant messenger software.

62. The computer-readable medium of claim 44, wherein the software further instructs the controller of the computing device to send the information indicating one of a user’s computer usage experiences to one or more of the other users identified by the one or more lists of other users.

63. The computer-readable medium of claim 44, wherein at least a portion of the computer usage experiences of the user is categorized by content and the information indicating the computer usage experiences of the user reported to the tracking server is sorted by content category.

64. The computer-readable medium of claim 44, wherein at least a portion of the computer usage experiences of the user is categorized by content and the information indicating the computer usage experiences of the user reported to the tracking server is searchable by content category and date range.

65. The computer-readable medium of claim 44, wherein reporting further includes providing annotation tools for associating notes with individual entries of the information indicating the at least a portion of the computer usage experiences.

66. The computer-readable medium of claim 44, wherein reporting further includes providing annotation tools for associating ratings with individual entries of the information indicating the at least a portion of the computer usage experiences.

67. The computer-readable medium of claim 44, wherein reporting further includes indexing text portions of at least a portion of pages reported from tracking the user’s Internet usage.

68. The computer-readable medium of claim 67, wherein text indexing is limited to pages reported from tracking as having been annotated or forwarded by the user.

69. The computer-readable medium of claim 44 wherein the computer usage experiences further include rating a geographic location.

70. The computer-readable medium of claim 44 wherein the computer usage experiences further include commenting on a geographic location.

71. The computer-readable medium of claim 44 wherein the computer usage experiences further include assigning an emoticon to a geographic location.

72. The computer-readable medium of claim 44 wherein the computer usage experiences further include connecting to another user at a geographic location.

73. The computer-readable medium of claim 44 wherein the computer usage experiences further include sending one or more items from the user to one or more other users.

74. The computer-readable medium of claim 44 wherein the computer usage experiences further include general messaging between the user and one or more other users.

75. The computer-readable medium of claim 44 wherein the computer usage experiences include listening to songs.

76. The computer-readable medium of claim 75 wherein the software further instructs the controller to receive information indicating quantified relative influence of at least one user on other users.

77. The computer-readable medium of claim 44 wherein the computer usage experiences include viewing videos.

78. The computer-readable medium of claim 44 wherein the computer usage experiences include purchasing items.

79. The computer-readable medium of claim 44 wherein the computer usage experiences include browsing URLs.

80. The computer-readable medium of claim 44 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

81. The computer-readable medium of claim 44 wherein certain computer usage experiences are shared after the user selectively enables sharing.

82. The computer-readable medium of claim 44 wherein the user selectively enables or disables sharing.

83. A non-transitory computer-readable medium storing software for instructing a controller of a computing device to communicate with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group
consisting of: browsing URLs and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location;

enable access to one or more lists of other users and selection of one or more other users from the one or more lists of other users with whom to share the computer usage experiences;

enable definition of categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; and

track automatically and passively on the client-side at least a portion of the computer usage experiences of the user and automatically report information indicating the at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with the defined categories.

84. The computer-readable medium of claim 83, wherein the registration server and the tracking server are a single server.

85. The computer-readable medium of claim 83, wherein the registration server and the tracking server are distinct servers.

86. The computer-readable medium of claim 83, wherein registering the user excludes collection of the user’s e-mail address.

87. The computer-readable medium of claim 83, wherein registering the user excludes collection of the user’s actual name.

88. The computer-readable medium of claim 83, wherein registering the user excludes collection of the user’s physical address.

89. The computer-readable medium of claim 83, wherein registering the user excludes collection of any information that identifies the user in a manner adapted to direct marketing.

90. The computer-readable medium of claim 83, wherein registering the user further includes establishing an anonymous unique identifier for the user.

91. The computer-readable medium of claim 90, wherein the information indicating the computer usage experiences reported to the tracking server includes the anonymous unique identifier.

92. The computer-readable medium of claim 83, wherein at least one of the one or more lists of other users is a messaging buddy list.

93. The computer-readable medium of claim 83, wherein at least one of the one or more lists of other users is an e-mail contact list.

94. The computer-readable medium of claim 83, wherein at least one of the one or more lists of other users is a contact list maintained by a software application.

95. The computer-readable medium of claim 83, wherein at least one of the one or more lists of other users is a network registry.

96. The computer-readable medium of claim 83, wherein URLs viewed by the user are categorized into categories of computer usage experiences based on the appearance of one or more keywords on pages corresponding to the URLs viewed.

97. The computer-readable medium of claim 83, wherein access rights of the particular selected other users include the categories of computer usage experiences to be shared with the particular selected other users and are further defined by activity type of the user’s computer usage.

98. The computer-readable medium of claim 83, wherein the computing device is a device placed between a device utilized by the user and an access point to the Internet.

99. The computer-readable medium of claim 83, wherein the information indicating the tracked computer usage experiences are filtered before being reported to the tracking server.

100. The computer-readable medium of claim 83, wherein at least one of the one or more lists of other users is a messaging buddy list maintained by an instant messenger software.

101. The computer-readable medium of claim 83, wherein the software further instructs the controller of the computing device to send the information indicating one of a user’s computer usage experiences to one or more of the other users identified by the one or more lists of other users.

102. The computer-readable medium of claim 83, wherein at least a portion of the computer usage experiences of the user is categorized by content and the information indicating the computer usage experiences reported to the tracking server is searchable by content category and date range.

103. The computer-readable medium of claim 83, wherein at least a portion of the computer usage experiences of the user is categorized by content and the information indicating the computer usage experiences reported to the tracking server is searchable by content category and date range.

104. The computer-readable medium of claim 83, wherein reporting further includes providing annotation tools for associating notes with individual entries of the information indicating the at least a portion of the computer usage experiences.

105. The computer-readable medium of claim 83, wherein reporting further includes providing annotation tools for associating ratings with individual entries of the information indicating the at least a portion of the computer usage experiences.

106. The computer-readable medium of claim 83, wherein reporting further includes indexing text portions of at least a portion of pages reported from tracking the user’s Internet usage.

107. The computer-readable medium of claim 106, wherein text indexing is limited to the pages reported from tracking as having been annotated or forwarded by the user.

108. The computer-readable medium of claim 83, wherein the computer usage experiences include listening to songs.

109. The computer-readable medium of claim 108, wherein the software further instructs the controller to receive information indicating quantified relative influence of at least one user on other users.

110. The computer-readable medium of claim 83, wherein the computer usage experiences include viewing videos.

111. The computer-readable medium of claim 83, wherein the computer usage experiences include purchasing items.

112. The computer-readable medium of claim 83, wherein the computer usage experiences further include rating a geographic location.

113. The computer-readable medium of claim 83 wherein the computer usage experiences further include rating a geographic location.

114. The computer-readable medium of claim 83 wherein the computer usage experiences further include assigning an emotion to a geographic location.

115. The computer-readable medium of claim 83 wherein the computer usage experiences further include connecting to another user at a geographic location.
116. The computer-readable medium of claim 83 wherein the computer usage experiences further include sending one or more items from the user to one or more other users.

117. The computer-readable medium of claim 83 wherein the computer usage experiences further include general messaging between the user and one or more other users.

118. The computer-readable medium of claim 83 wherein the computer usage experiences include browsing URLs.

119. The computer-readable medium of claim 83 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

120. The computer-readable medium of claim 83 wherein certain computer usage experiences are shared after the user selectively enables sharing.

121. The computer-readable medium of claim 83 wherein the user selectively enables or disables sharing.

122. A method of operation of a registration and tracking server for sharing computer usage experiences, comprising the following computer-implemented steps:

receiving, at the registration and tracking server, a registration of a user for automatic client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of browsing URLs or visiting a location with a location-aware device that records the location;

enabling access to one or more of the user's messaging buddy lists and selection of one or more buddies with whom to share the computer usage experiences;

obtaining defined categories of computer usage experiences to be shared with particular selected buddies;

receiving, at the registration and tracking server, tracking information for the user from a client-side application that automatically tracks the computer usage experiences of the user, the tracking information comprising information indicating at least a portion of the user's computer usage experiences; and

publishing the at least a portion of the user's computer usage experiences to the particular selected buddies in accordance with the defined categories of sharing.

123. The method of claim 122 wherein the computer usage experiences include browsing URLs.

124. The method of claim 122 wherein the computer usage experiences include visiting a location with a location-aware device that records the location.

125. The method of claim 122, wherein the registration and tracking server comprises at least two distinct servers.

126. The method of claim 122 wherein certain computer usage experiences are shared after the user selectively enables sharing.

127. The method of claim 122 wherein the user selectively enables or disables sharing.

128. A method of operation of a client-side application to share computer usage experiences, including:

communicating with a registration server to register a user for automatic client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of browsing URLs or visiting a location with a location-aware device that records the location;

enabling selection of one or more buddies with whom to share the computer usage experiences from one or more of the user's messaging buddy lists;

enabling definition of categories of computer usage experiences to be shared with particular selected buddies;

tracking automatically on the client-side at least a portion of the user's computer usage experiences; and

reporting information indicating the at least a portion of the user's computer usage experiences to a tracking server to enable sharing of the computer usage experiences with the particular selected buddies in accordance with the defined categories.

129. The method of claim 128 wherein the computer usage experiences include browsing URLs.

130. The method of claim 128 wherein the computer usage experiences include visiting a location with a location-aware device that records the location.

131. The method of claim 128 wherein certain computer usage experiences are shared after the user selectively enables sharing.

132. The method of claim 128 wherein the user selectively enables or disables sharing.

133. A non-transitory computer-readable medium storing software for instructing a controller of a user device to:

communicate with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: listening to songs, viewing videos, purchasing items, browsing URLs, and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location;

enable the user to select one or more other users with whom to share the computer usage experiences from one or more of the user's lists of other users;

enable the user to define categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; and

track automatically and passively on the client-side at least a portion of the computer usage experiences of the user and automatically report information indicating the at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with the defined categories.

134. The computer-readable medium of claim 133 wherein the computer usage experiences include listening to songs.

135. The computer-readable medium of claim 134, wherein the software further instructs the controller to quantify relative influence of at least one user on other users.

136. The computer-readable medium of claim 134, wherein the software further instructs the controller to receive information indicating quantified relative influence of at least one user on other users.

137. The computer-readable medium of claim 132 wherein the computer usage experiences include viewing videos.

138. The computer-readable medium of claim 133 wherein the computer usage experiences include purchasing items.

139. The computer-readable medium of claim 133 wherein the computer usage experiences include browsing URLs.

140. The computer-readable medium of claim 133 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

141. The computer-readable medium of claim 133 wherein certain computer usage experiences are shared after the user selectively enables sharing.

142. The computer-readable medium of claim 133 wherein the user selectively enables or disables sharing.

143. A non-transitory computer-readable medium storing software for instructing at least one controller of a registration and tracking server to:
receive, at the registration and tracking server, a registration of a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: browsing URLs and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location;

enable the user to select one or more other users with whom to share the computer usage experiences from one or more lists of other users;

obtain defined categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users;

receive, at the registration and tracking server, tracking information for the user from a client-side application that automatically and passively tracks at least a portion of the computer usage experiences of the user; and

publish information indicating the at least a portion of the computer usage experiences of the user to the particular selected other users in accordance with their defined categories of sharing.

144. The computer-readable medium of claim 143 wherein the computer usage experiences include browsing URLs.

145. The computer-readable medium of claim 143 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

146. The computer-readable medium of claim 143, wherein the registration and tracking server comprises at least two distinct servers.

147. The computer-readable medium of claim 143, wherein the software further instructs the controller to display advertising information.

148. The computer-readable medium of claim 143 wherein certain computer usage experiences are shared after the user selectively enables sharing.

149. The computer-readable medium of claim 143 wherein the user selectively enables or disables sharing.

150. A non-transitory computer-readable medium storing software for instructing a controller of a user device to:

communicate with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: browsing URLs and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location; enable the user to select one or more other users with whom to share the computer usage experiences from one or more lists of other users; enable the user to define categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; track automatically and passively on the client-side at least a portion of the computer usage experiences of the user; and automatically report information indicating at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with the defined categories.

151. The computer-readable medium of claim 150 wherein the computer usage experiences include browsing URLs.

152. The computer-readable medium of claim 150 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

153. The computer-readable medium of claim 150 wherein certain computer usage experiences are shared after the user selectively enables sharing.

154. The computer-readable medium of claim 150 wherein the user selectively enables or disables sharing.

155. A method of operation of a server to share computer experiences, comprising the following server-implemented steps:

receiving at the server a registration of a user for automatic client-side application collection and sharing of computer usage experiences of the user for sharing, wherein the computer usage experiences include listening to songs;

enabling access to one or more messaging buddy lists of the user and selection of one or more buddies with whom the computer usage experiences may be shared from one or more messaging buddy lists of the user;

obtaining defined rights of the one or more buddies to access the computer usage experiences; and

posting information indicating at least a portion of computer usage experiences for the one or more buddies to access according to the rights defined for the one or more buddies.

156. The method of claim 155, further comprising:

quantifying relative influence of at least one user on other users.

157. The method of claim 155 wherein certain computer usage experiences are shared after the user selectively enables sharing.

158. The method of claim 155 wherein the user selectively enables or disables sharing.

159. A method of operation of a server to share computer experiences, comprising the following server-implemented steps:

receiving at the server a registration of a user for automatic client-side application collection and sharing of computer usage experiences of the user for sharing, wherein the computer usage experiences include viewing videos;

enabling access to one or more messaging buddy lists of the user and selection of one or more buddies with whom the computer usage experiences may be shared from one or more messaging buddy lists of the user;

obtaining defined rights of the one or more buddies to access the computer usage experiences; and

posting information indicating at least a portion of the computer usage experiences for the one or more buddies to access according to the rights defined for the one or more buddies.

160. The method of claim 159 wherein certain computer usage experiences are shared after the user selectively enables sharing.

161. The method of claim 159 wherein the user selectively enables or disables sharing.

162. A method of operation of a server to share computer experiences, comprising the following server-implemented steps:

receiving at the server a registration of a user for automatic client-side application collection and sharing of computer usage experiences of the user for sharing, wherein the computer usage experiences include purchasing items;

enabling access to one or more messaging buddy lists of the user and selection of one or more buddies with whom the
computer usage experiences may be shared from one or more messaging buddy lists of the user; obtaining defined rights of the one or more buddies to access the computer usage experiences; and posting information indicating at least a portion of the computer usage experiences for the one or more buddies to access according to the rights defined for the one or more buddies.

163. The method of claim 162 wherein certain computer usage experiences are shared after the user selectively enables sharing.

164. The method of claim 162 wherein the user selectively enables or disables sharing.

165. A method of operation of a server to share computer experiences, comprising the following sever-implemented steps:

(receiving at the server a registration of a user for automatic client-side application collection and sharing of computer usage experiences of the user for sharing, wherein the computer usage experiences include Internet browsing;

(enabling access to one or more messaging buddy lists of the user and selection of one or more buddies with whom the computer usage experiences may be shared from the one or more messaging buddy lists of the user;

(obtaining defined rights of the one or more buddies to access the computer usage experiences; and

(posting information indicating at least a portion of the computer usage experiences for the one or more buddies to access according to the rights defined for the one or more buddies.

166. The method of claim 165 wherein certain computer usage experiences are shared after the user selectively enables sharing.

167. The method of claim 165 wherein the user selectively enables or disables sharing.

168. A method of operation of a computer device, comprising:

communicating with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: listening to songs, viewing videos, purchasing items, browsing URLs, and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location;

(enabling access to one or more lists of other users and selection of one or more other users from the one or more lists of other users with whom to share the computer usage experiences;

(enabling definition of categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; and

tracking automatically and passively on the client-side at least a portion of the computer usage experiences of the user and automatically reporting information indicating at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with the defined categories.

169. The method of claim 168, wherein the registration server and the tracking server are single server.

170. The method of claim 168, wherein the registration server and the tracking server are distinct servers.

171. The method of claim 168, wherein communicating with the registration server to register the user excludes collection of the user’s e-mail address by the registration server.

172. The method of claim 168, wherein communicating with the registration server to register the user excludes collection of the user’s actual name by the registration server.

173. The method of claim 168, wherein communicating with the registration server to register the user excludes collection of the user’s physical address by the registration server.

174. The method of claim 168, wherein communicating with the registration server to register the user excludes collection of any information that identifies the user in a manner adapted to direct marketing by the registration server.

175. The method of claim 168, wherein communicating with the registration server to register the user further includes establishing an anonymous unique identifier for the user.

176. The method of claim 175, wherein the information indicating the computer usage experiences reported to the tracking server includes the anonymous unique identifier.

177. The method of claim 168, wherein at least one of the one or more lists of other users is a messaging buddy list.

178. The method of claim 168, wherein at least one of the one or more lists of other users is an e-mail contact list.

179. The method of claim 168, wherein at least one of the one or more lists of other users is a contact list maintained by a software application.

180. The method of claim 168, wherein at least one of the one or more lists of other users is a network registry.

181. The method of claim 168, wherein URLs viewed by the user are categorized into categories of computer usage experiences based on the appearance of one or more keywords on pages corresponding to the URLs viewed.

182. The method of claim 168, wherein access rights of the particular selected other users include the categories of computer usage experiences to be shared with the particular selected other users and are further defined by activity type of the user’s computing device usage.

183. The method of claim 168, wherein the computing device is a device placed between a device utilized by the user and an access point into the Internet.

184. The method of claim 168, wherein the computer usage experiences tracked are filtered before being reported to the tracking server.

185. The method of claim 168, wherein at least one of the one or more lists of other users is a messaging buddy list maintained by an instant messenger software.

186. The method of claim 168 further comprising sending the information indicating one of a user’s computer usage experiences to one or more of the other users identified by the one or more lists of other users.

187. The method of claim 168, wherein at least a portion of the computer usage experiences of the user is categorized by content and the information indicating the computer usage experiences of the user reported to the tracking server is sorted by content category.

188. The method of claim 168, wherein at least a portion of the computer usage experiences of the user is categorized by content and the information indicating the computer usage experiences of the user reported to the tracking server is searchable by content category and date range.

189. The method of claim 168, wherein reporting further includes providing annotation tools for associating notes with individual entries of the information indicating the at least a portion of the computer usage experiences.
190. The method of claim 168, wherein reporting further includes providing annotation tools for associating ratings with individual entries of the information indicating the at least a portion of the computer usage experiences.

191. The method of claim 168, wherein reporting further includes indexing text portions of at least a portion of pages reported from tracking the user's Internet usage.

192. The method of claim 191, wherein text indexing is limited to pages reported from tracking as having been annotated or forwarded by the user.

193. The method of claim 168 wherein the computer usage experiences further include rating a geographic location.

194. The method of claim 168 wherein the computer usage experiences further include commenting on a geographic location.

195. The method of claim 168 wherein the computer usage experiences further include assigning an emoticon to a geographic location.

196. The method of claim 168 wherein the computer usage experiences further include connecting to another user at a geographic location.

197. The method of claim 168 wherein the computer usage experiences further include sending one or more items from the user to one or more other users.

198. The method of claim 168 wherein the computer usage experiences further include general messaging between the user and one or more other users.

199. The method of claim 168 wherein the computer usage experiences include listening to songs.

200. The method of claim 199, wherein the software further instructs the controller to receive information indicating quantified relative influence of at least one user on other users.

201. The method of claim 168 wherein the computer usage experiences include viewing videos.

202. The method of claim 168 wherein the computer usage experiences include purchasing items.

203. The method of claim 168 wherein the computer usage experiences include browsing URLs.

204. The method of claim 168 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

205. The method of claim 168 wherein certain computer usage experiences are shared after the user selectively enables sharing.

206. The method of claim 168 wherein the user selectively enables or disables sharing.

207. A method of operation of a computing device, comprising:

- communicating with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: browsing URLs and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location;
- enabling access to one or more lists of other users and selection of one or more other users from the one or more lists of other users with whom to share the computer usage experiences;
- enabling definition of categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; and
- tracking automatically and passively on the client-side at least a portion of the computer usage experiences of the user and automatically reporting information indicating the at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with the defined categories.

208. The method of claim 207, wherein the registration server and the tracking server are a single server.

209. The method of claim 207, wherein the registration server and the tracking server are distinct servers.

210. The method of claim 207, wherein communicating with the registration server to register the user excludes collection of the user's e-mail address by the registration server.

211. The method of claim 207, wherein communicating with the registration server to register the user excludes collection of the user's actual name by the registration server.

212. The method of claim 207, wherein communicating with the registration server to register the user excludes collection of the user's physical address by the registration server.

213. The method of claim 207, wherein communicating with the registration server to register the user excludes collection of any information that identifies the user in a manner adapted to direct marketing by the registration server.

214. The method of claim 207, wherein communicating with the registration server to register the user further includes establishing an anonymous unique identifier for the user.

215. The method of claim 214, wherein the information indicating the computer usage experiences reported to the tracking server includes the anonymous unique identifier.

216. The method of claim 207, wherein at least one of the one or more lists of other users is a messaging buddy list.

217. The method of claim 207, wherein at least one of the one or more lists of other users is an e-mail contact list.

218. The method of claim 207, wherein at least one of the one or more lists of other users is a contact list maintained by a software application.

219. The method of claim 207, wherein at least one of the one or more lists of other users is a network registry.

220. The method of claim 207, wherein URLs viewed by the user are categorized into categories of computer usage experiences based on the appearance of one or more keywords on pages corresponding to the URLs viewed.

221. The method of claim 207, wherein access rights of the particular selected other users include the categories of computer usage experiences to be shared with the particular selected other users and are further defined by activity type of the user's computer usage.

222. The method of claim 207, wherein the computing device is a device placed between a device utilized by the user and an access point to the Internet.

223. The method of claim 207, wherein the information indicating the tracked computer usage experiences are filtered before being reported to the tracking server.

224. The method of claim 207, wherein at least one of the one or more lists of other users is a messaging buddy list maintained by an instant messenger software.

225. The method of claim 207, further comprising sending the information indicating one of a user's computer usage experiences to one or more of the other users identified by the one or more lists of other users.

226. The method of claim 207, wherein at least a portion of the computer usage experiences of the user is categorized by
content and the information indicating the computer usage experiences reported to the tracking server is sorted by content category.

227. The method of claim 207, wherein at least a portion of the computer usage experiences of the user is categorized by content and the information indicating the computer usage experiences reported to the tracking server is searchable by content category and date range.

228. The method of claim 207, wherein reporting further includes providing annotation tools for associating notes with individual entries of the information indicating the at least a portion of the computer usage experiences.

229. The method of claim 207, wherein reporting further includes providing annotation tools for associating ratings with individual entries of the information indicating the at least a portion of the computer usage experiences.

230. The method of claim 207, wherein reporting further includes indexing text portions of at least a portion of pages reported from tracking the user’s Internet usage.

231. The method of claim 230, wherein text indexing is limited to the pages reported from tracking as having been annotated or forwarded by the user.

232. The method of claim 207, wherein the computer usage experiences include listening to songs.

233. The method of claim 232, further comprising receiving information indicating quantified relative influence of at least one user on other users.

234. The method of claim 207, wherein the computer usage experiences include viewing videos.

235. The method of claim 207, wherein the computer usage experiences include purchasing items.

236. The method of claim 207 wherein the computer usage experiences further include rating a geographic location.

237. The method of claim 207 wherein the computer usage experiences further include commenting on a geographic location.

238. The method of claim 207 wherein the computer usage experiences further include assigning an emotion to a geographic location.

239. The method of claim 207 wherein the computer usage experiences further include connecting to another user at a geographic location.

240. The method of claim 207 wherein the computer usage experiences further include sending one or more items from the user to one or more other users.

241. The method of claim 207 wherein the computer usage experiences further include general messaging between the user and one or more other users.

242. The method of claim 207 wherein the computer usage experiences further include browsing URLs.

243. The method of claim 207 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

244. The method of claim 207 wherein certain computer usage experiences are shared after the user selectively enables sharing.

245. The method of claim 207 wherein the user selectively enables or disables sharing.

246. A method of operation of a user device, comprising: communicating with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: listening to songs, viewing videos, purchasing items, browsing URLs, and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location; enabling the user to select one or more other users with whom to share the computer usage experiences from one or more lists of other users; enabling the user to define categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; and tracking and passively on the client-side at least a portion of the computer usage experiences of the user and automatically reporting information indicating the at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with their defined categories of sharing.

247. The method of claim 246 wherein the computer usage experiences include listening to songs.

248. The method of claim 247, wherein the software further instructs the controller to quantify relative influence of at least one user on other users.

249. The method of claim 247, wherein the software further instructs the controller to receive information indicating quantified relative influence of at least one user on other users.

250. The method of claim 246 wherein the computer usage experiences include viewing videos.

251. The method of claim 246 wherein the computer usage experiences include purchasing items.

252. The method of claim 246 wherein the computer usage experiences include browsing URLs.

253. The method of claim 246 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

254. The method of claim 246 wherein certain computer usage experiences are shared after the user selectively enables sharing.

255. The method of claim 246 wherein the user selectively enables or disables sharing.

256. A method of operation of a registration and tracking server, comprising:

receiving, at the registration and tracking server, a registration of a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: browsing URLs and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location; enabling the user to select one or more other users with whom to share the computer usage experiences from one or more lists of other users; obtaining defined categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; receiving, at the registration and tracking server, tracking information for the user from a client-side application that automatically and passively tracks at least a portion of the computer usage experiences of the user; and publishing information indicating the at least a portion of the computer usage experiences of the user to the particular selected other users in accordance with their defined categories of sharing.
257. The method of claim 256 wherein the computer usage experiences include browsing URLs.

258. The method of claim 256 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

259. The method of claim 256, wherein the registration and tracking server comprises at least two distinct servers.

260. The method of claim 256, wherein the software further instructs the controller to display advertising information.

261. The method of claim 256 wherein certain computer usage experiences are shared after the user selectively enables sharing.

262. The method of claim 256 wherein the user selectively enables or disables sharing.

263. A method of operation of a user device, comprising: communicating with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include one or more of a group consisting of: browsing URLs and visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location; enabling the user to select one or more other users with whom to share the computer usage experiences from one or more lists of other users; enabling the user to define categories of computer usage experiences to be shared with particular selected other users among the one or more other users selected from the one or more lists of other users; tracking automatically and passively on the client-side at least a portion of the computer usage experiences of the user; and automatically reporting information indicating at least a portion of the computer usage experiences of the user to a tracking server to enable sharing of the computer usage experiences with the particular selected other users in accordance with the defined categories.

264. The method of claim 263 wherein the computer usage experiences include browsing URLs.

265. The method of claim 263 wherein the computer usage experiences include visiting a geographic location with a location-aware device that automatically records geographic information for the geographic location.

266. The method of claim 263 wherein certain computer usage experiences are shared after the user selectively enables sharing.

267. The method of claim 263 wherein the user selectively enables or disables sharing.