PERSONALIZING A VOICE DIALOGUE SYSTEM

A method (10) and system (200) for personalized voice dialogue can include tracking (12) a user's use of voice dialogue states or transitions and progressively offering (16) a user more efficient voice dialogue transitions or states such as voice dialogue transition or states having fewer and fewer words. The tracking of dialog states or transitions can include tracking (14) of repeated use of the dialogue states or transitions. A user can be prompted to create a new transition or state. The prompting (18) and confirmation and verification (20) by the user of a new transition or state can be done using SCXML language. The method can further include instantiating (21) the new transition or state with voice tags or words and performing (22) speech recognition using the new transition or state. The method can again determine (23) if the new transition or state is a repeat transition or state.
AMENDED CLAIMS

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We claim:

1. A method of personalizing a voice dialogue, the method comprising:
   tracking a user's use of the voice dialogue;
   based, at least in part, on the tracking, creating a new transition in the voice dialogue; and
   offering the new transition to the user.

3. The method of claim 1 further comprising:
   prompting the user to create the new transition with voice.

4. The method of claim 3 further comprising:
   creating the new transition using SCXML.

5. The method of claim 3 further comprising:
   instantiating the new transition with voice tags or words.

6. The method of claim 3 further comprising:
   directing, organizing, and verifying the new transition using a voice dialogue system.

7. The method of claim 3 further comprising:
   performing speech recognition using the new transition.

8. The method of claim 3 further comprising:
   determining if the new transition is a repeat transition; and
   prompting the user to delete the repeat transition.
9. A system for personalizing a voice dialogue, the system comprising:
   a speech recognition system;
   a presentation device coupled to the speech recognition system; and
   a processor coupled to the speech recognition system and to the presentation
device, wherein the processor is programmed to:
   track a user's use of the voice dialogue;
   based, at least in part, on the tracking, create a new transition in the voice
dialogue; and
   offer the new transition to the user.

10. The system of claim 9 wherein the processor is further programmed to prompt the user to
    create the new transition with voice.

11. The system of claim 10 wherein the processor is further programmed to instantiate the
    new transition with voice tags or words.

12. The system of claim 11 wherein the processor is further programmed to perform speech
    recognition using the new transition.

13. The system of claim 11 wherein the processor is further programmed to determine if the
    new transition is a repeat transition and to prompt the user to delete the repeat transition.

15. The system of claim 10 wherein the processor is further programmed to create the new
    transition using SCXML.

16. The system of claim 10 wherein the presentation device comprises a display or a speaker.