

team member 1 _____
team member 2 _____
(team member 3) _____

To be done in a team of two or three people. Design and code a simple VoiceXML system.

A. Select a domain. (do in class; get instructor's approval). Domain _____

For example do a replacement for a simple Web page, or a replacement for a human telephone operator, such as:

- a system that lets users order a pizza.
- a system that lets users get schedule and fare information (and make reservations?) for the Keisei Skyliner
- a system that lets users get weather forecasts
- a system that lets users call a taxi
- a system that lets students get information on their grades on tests
- a system that lets students find out when the various Seikyo stores and cafeterias are open
- a system that lets users find out the current time in any city in the world
- a system to tell you who has recently sent jobs to the printer
- a system to let drivers control an in-car radio/CD-player
- a system that lets users input data for a PDA calendar ("open my calender for Jan. 12th and enter "lunch with Sam", etc.)

B. Design your system. You should probably start by collecting some human-human dialogs, and then thinking how to handle similar dialogs in VoiceXML.

C. Encode your system in VoiceXML. Refer to the Lucas article for a description of VoiceXML, but do not worry about getting the syntax exactly right; only please make sure your code is clear and unambiguous. Staple the VoiceXML to this sheet.

D. Describe any difficulties you had, and any VoiceXML inadequacies found.

tester 1 (“user”) _____
 tester 2 (“wizard”) _____
 scribe _____

The wizard should study the VoiceXML so that he can emulate the system swiftly. The wizard should select the line below corresponding to his month of birth, and operate correctly for each turn that has a - and simulate a mis-recognition for each turn that has a x.

1 x - - - - - x - -	2 - - - x - - - x - - - x - -
3 - x - - - - - x - - - -	4 - - x - - - - - x - - -
5 - x - x - - - - -	6 - - x - - - x - - - x - - -
7 - x x - - - - x - - - -	8 - - - x - - - - - x - - -
9 - - x - - - - - - -	10 - - x - - - - x - - - - x
11 - - - - - x - - - x - x - -	12 x - x - - - - - - x - - -

The user should have a clear task in mind before he starts, and he should be cooperative with the system. Both should go slowly, so that the scribe can write down everything that was said.

Test the system 2 or 3 times.

E. Transcripts:

F. User’s comments: