

Appendix D

Graphical user interface design

The existing FASIH interface was created using JAVA platform and the related modification to the interface is also use the JAVA platform. This report will look at the user interface of the modified FASIH TTS system.

FASIH interface before modification



Figure D1
The FASIH interface before modification

Before modification, the FASIH interface enables the users to perform the following activities:

- Type in sentences
- Select male or female voice
- Select for BAKU pronunciation
- Increase or reduce speech rate
- Increase or decrease pitch rate

FASIH interface after adding the emotions filter

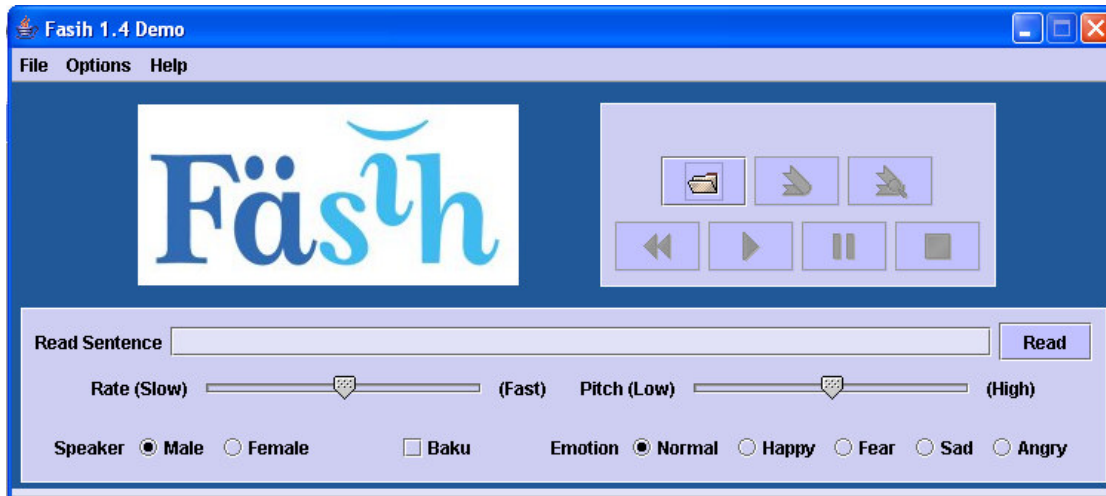


Figure D2
The FASIH interface after modification

The new FASIH interface comprises of text window, selectable speaker buttons, selectable emotion buttons, pull down menus, adjustable bar for speech speed rate and adjustable bar for pitch rate. The text window is located at the center, the speaker buttons is located at the left of the interface and the emotion buttons is on the right side of the interface. This arrangement simplifies the process of synthesis in a single click of a button unlike pull down menus that require several clicks.

Speaker-emotion selection

The modified FASIH can be used by the following operation:

1. The user type in the text into the text window
2. The user select a speaker by clicking either male or female button
3. The users can select the type of emotion that they want FASIH to synthesize.