

ZenCircle User Stories

USER STORY 001 - User Registration

User should be able to login to the system through a client side login form

USER STORY 002 - User Interaction

- User should be able to enter speak to the system, through a text-speech approach.
- Once the speech is done user should be able to see the text he/she entered to the system and customize it.
- Once the customization part is done user should be able to click the send button to communicate with the system.
- User should be able to use the emotion-prediction/detection system that is running through the webcam feed when engaging with the system.
- If a user has a MUSE EEG head band he/she should be able to connect it to the system using a OSC stream.
- User should be able to reset the conversational flow and restart a new flow.

USER STORY 003 - System Functionalities

- System should be able to process raw EEG signals and turn it to a meaningful string.
- System should be able to add that converted string to the original prompt sent by the user.
- System should be able to detect real-time facial emotions through the webcam.

- System should be able to convert the facial emotion to a readable text and add it to the modified prompt.
- System should be able to send the modified text to the server for the response.
- Once the response is reached, system should be able to convert that text to an audio format and present it to the user.
- System should generate spatial audio effects within the front-end framework [optional]
- System should be able to maintain session management capabilities while communicating with the user.
- System should communicate with a database server (local)