

CALIFORNIA STATE UNIVERSITY, LONG BEACH

IS 699 – Information Systems Project

Fall 2024 Term – Session 01

Team 12

Four requirements

1) User Mood Tracking

- **Description:** The chatbot must allow users to input and track their moods on a regular basis. It should have an interface that allows users to rate their current emotional state (e.g., on a scale or with emojis) and track their mood patterns over time.
- **Requirement:** The chatbot should be able to retain and display each user's past mood data, as well as provide personalized recommendations based on it.

2) Natural Language Understanding (NLP)

- **Description:** The chatbot must employ natural language processing (NLP) to effectively grasp user inputs and respond empathetically. This includes interpreting the user's emotional state via text and responding appropriately.
- **Requirement:** The chatbot must be able to interpret users' free-form text inputs, recognize emotions, and respond with useful mental health advice or support resources.

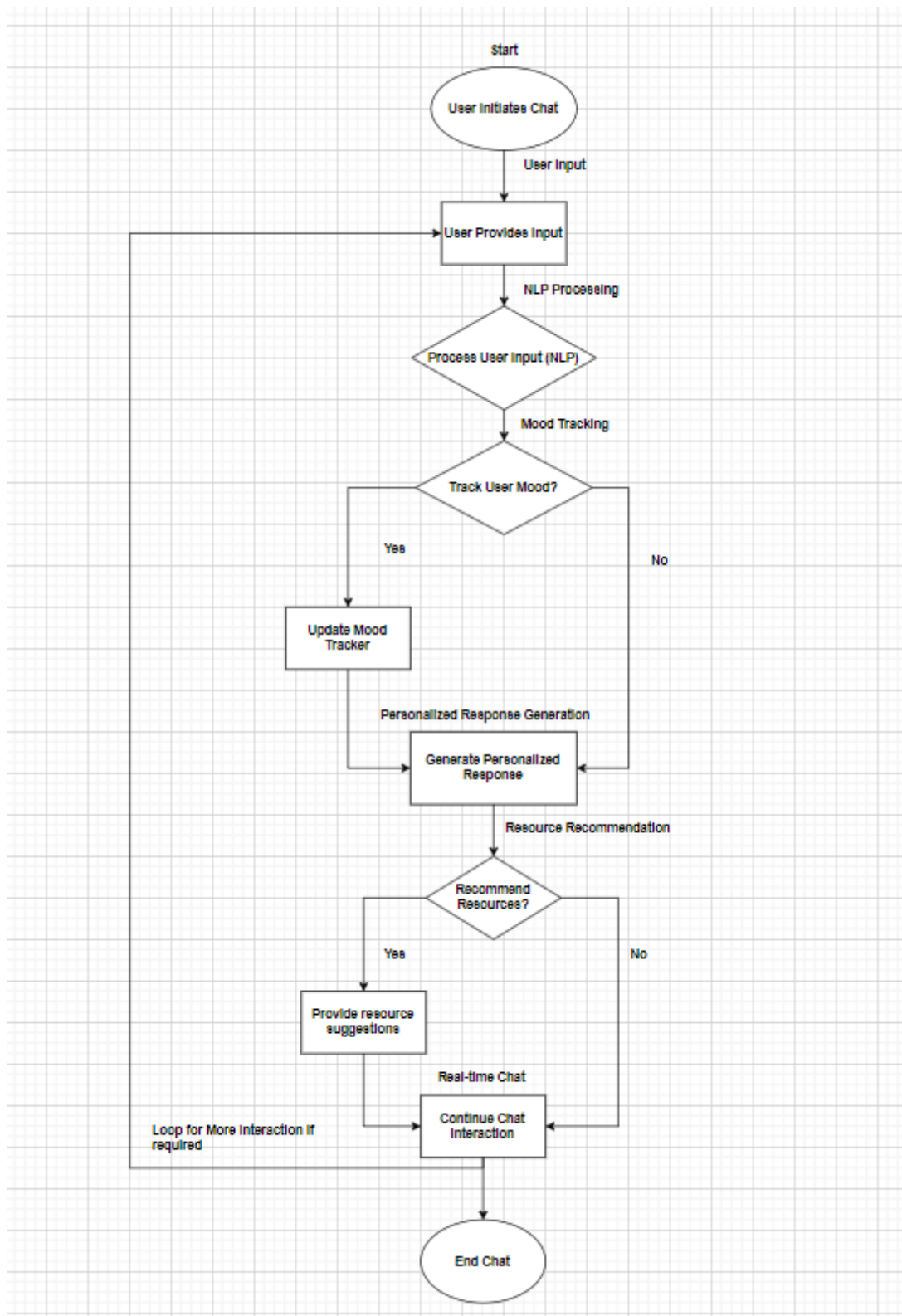
3) Personalized Resource Recommendations

- **Description:** The chatbot must offer individualized mental health services based on user interactions. Coping skills, breathing exercises, relaxation techniques, and links to related publications are all possible options.
- **Requirement:** The system should provide dynamic resource recommendations based on the user's emotional state, input history, and needs.

4) Real-time Chat and Emotional Support

- **Description:** The chatbot must be able to converse with users in real time, responding instantly to queries about mental health support, stress management, or anxiety reduction.
- **Requirement:** The chatbot should be able to maintain a conversational flow while handling multiple interactions and providing on-demand service around the clock. These functional criteria ensure that the chatbot can provide tailored, sympathetic, and real-time mental health support to users. Please let me know if you need any other information.

High-level Use Case Diagram



Link to your updated Azure Boards: [Link to our updated Azure Boards](#)

Link to your GitHub repository: [Link to our GitHub repository](#)