

Future Plan

Prepared for:

Ranran Feng, Ph. D.

Prepared By:

Team #19

Mohammad Alzaidi

Ariel Yong

Melissa Philipp

Alex Chavez

October 27th, 2024

Future Plan is continuing to follow the roadmap given as the implementation of our code is progressing smoothly

Week 4: October 28 - November 3 (Subsystem Integration: Part 2)

Goal: Full integration of all systems.

- **Ariel (AI and Computer Vision):**
 - Work with Mohammad to ensure emotion detection output matches song selection input.
 - Deliverable: Emotion detection data feeding into the song selection algorithm.
- **Alex (Spotify API):**
 - Ensure Spotify API works with Mohammad's song selection algorithm (API fetches correct songs based on selected mood).
 - Deliverable: API integrated with song selection algorithm.
- **Melissa (GUI):**
 - Ensure GUI displays the selected song and user controls (play, pause, next, etc.).
 - Deliverable: Fully functional GUI with song display and controls integrated.
- **Mohammad (Song Selection Algorithm):**
 - Ensure the algorithm can handle real-time emotion data.
 - Deliverable: Full song selection algorithm integrated with emotion detection and Spotify API.

Week 5: November 4 - November 10 (Testing and Debugging)

Goal: Test and fix any bugs or integration issues.

- **All Members:**
 - Collaborate to test the entire system.
 - Ensure smooth interaction between emotion detection, Spotify API, GUI, and song selection.
 - Debug any issues that arise during testing (e.g., song not updating, GUI glitches).
 - Deliverable: Fully functional system, ready for final improvements.

Week 6: November 11 - November 16 (Final Refinements and Presentation Prep)

Goal: Polish and prepare for final submission.

- **All Members:**

- Polish individual parts (improve UI design, AI accuracy, algorithm logic, API responsiveness).
- Test for edge cases (e.g., multiple emotions, no internet connection).
- Prepare final presentation and demo.
- Deliverable: Completed project and presentation materials.