

Test Plan for Feature 1: Mood Input

- Description: This feature involves allowing users to input their mood, which will then generate a song recommendations based on their mood
- Test Cases
 - Test Case 1: User inputs “Happy” mood
 - Test Data: Mood = “Happy”
 - User Activity: User selects “Happy” from mood options/writes in the mood “Happy” and submits
 - Expected Result: System recommends upbeat and cheerful songs
 - Test Case 2: User inputs “Sad” mood
 - Test Data: Mood = “Sad”
 - User Activity: User selects “Sad” from mood options/writes in the mood “Sad” and submits
 - Expected Result: System recommends soothing and calm songs
- Test Environment: Localhost
- Test Results: Ensure that the recommended songs align with inputted mood
- User Acceptance Testers: Group members

Test Plan for Feature 2: Save Previous Recommendations

- Description: This feature allows users to save previous recommendations for future reference
- Test Cases
 - Test Case 1: User saves recommended playlist
 - Test Data: Recommended playlist
 - User Activity: User clicks on the “Save” button for a recommended playlist
 - Expected Result: Playlist is saved to the user’s profile for future access
 - Test Case 2: User views saved recommendation
 - Test Data: None
 - User Activity: User navigates to the “Saved Recommendations” section
 - Expected Result: Previously saved recommendations are displayed for the user
- Test Environment: Localhost
- Test Results: Ensure that saved recommendations are accessible and correctly displayed
- User Acceptance Testers: Group members

Test Plan for Feature 3: Add Song to Playlist/Library

- Description: This feature allows users to add songs to their playlists or library for future listening
- Test Cases
 - Test Case 1: Add song to playlist
 - Test Data: User's selected song, target playlist
 - User Activity: User selects a song from the recommendations and clicks on the "Add to Playlist" button, user then selects the target playlist
 - Expected Result: The selected song is added to the specified playlist in the user's library
 - Test Case 2: Add song to library
 - Test Data: User's selected song
 - User Activity: User selects a song from the recommendations and clicks on the "Add to Library" button
 - Expected Result: The selected song is added to the user's library for future access
 - Test Case 3: Add a duplicate song
 - Test Data: Song already existing in the playlist/library
 - User Activity: User attempts to add a song that already exists in the playlist or library
 - Expected Result: System prompts the user with a message indicating that the song already exists in the playlist/library and prevents duplication
- Test Environment: Localhost
- Test Results:
 - Ensure that added songs are correctly appended to the specified playlist or library
 - Verify that duplicate songs are not added, and appropriate feedback is provided to the user
- User Acceptance Testers: Group members