

CSE 115A – Introduction to Software Engineering

Release Summary

Product Name: MoodLift

Team Name: MoodLift

Date: 4 June 2024

Key user stories and acceptance criteria:

- As a student, I need to be able to see my previous journal prompts using the Moodlift web application. [5 points]
 - Acceptance criteria:
 - Display Previous Journal Prompts: The application should display a list of previous journal prompt when the user navigates to the journal history page
 - Date and Time Stamps: Each journal prompt should be accompanied by the data and time it was created
 - Journal Content: The journal content should be displayed correctly and
 - Accessibility: Feature is accessible from the main home page
 - User Authentication: Only the authenticated user can view their previous journal prompts
 - Acceptance test cases:
 - Test Case 1: Display Previous Journal Prompts
 - Log into the MoodLift application, navigate to the journal history page from the home page, list of previous prompts are displayed
 - Test Case 2: Display Full Journal Content
 - Log into the MoodLift application, navigate to the journal history, select a random journal entry, and then journal entry is displayed
 - Test Case 3: Data and Time Stamps
 - Log into the MoodLift application, navigate to the journal history, journal entry has correct date it was created
 - Test Case 4: Accessibility of Journaling
 - Log into the MoodLift application, go to home page, home page has a navigation button to the journaling page
 - Test Case 5: User Authentication
 - Log into the MoodLift application, only registered user can see their private journal prompts
- As a student, I want to receive daily suggestions for songs based on my mood input. [13 points]
 - Acceptance criteria:

- Mood Input Interface: The application provides an interface for the user to input their current mood ranging from a predefined option of emotions
 - Daily Song Suggestions: The application generates a playlist song suggestion based on the user's mood input
 - Playlist Display: A playlist is displayed to the user including song title and artist
- Acceptance test cases:
 - Test Case 1: Mood Input Interface to Display Spotify Playlist
 - Log into the MoodLift application, navigate to the mood tracker, select a mood, then a Spotify playlist is given
- As a user, I want access to unique journal prompts every day. [13 points]
 - Acceptance criteria:
 - Daily Unique Prompts: New unique journal prompts are generated with openAI API and they are randomized
 - Prompt Display: The journal prompt is displayed on the journal entry page
 - Prompt Storage: Journal prompts are stored in Google Firebase and are readily available in the history section of the journaling page
 - Acceptance test cases:
 - Test Case 1: Generate Unique Prompts
 - Log into the MoodLift application, click on generate random journal prompt, openAI API generates a random journal prompt
 - Test Case 2: Prompt Storage
 - Log into the MoodLift application, navigate to the journal history, list of past journal prompts are displayed as fetched from Google Realtime Database
- As a student, I need to be able to log in so that I can journal and track my mood with MoodLift [8 points]
 - Acceptance criteria:
 - Login Page: The application provides a login page accessible from the main landing page.
 - Input Fields: The login page includes fields for entering an email and password.
 - Validation: The application validates the email and password against stored credentials.
 - Successful Login: Users are redirected to the home page upon successful login.
 - Acceptance test cases:
 - Test Case 1: Successful Login
 - Navigate to the MoodLift web application login page, Enter a valid email and password, Enter a valid email and password, Click the "Login" button, user is redirected to the home page

- Test Case 2: Validation of Input Fields
 - Navigate to the MoodLift web application login page, leave the username/email or password field empty, click the "Login" button, an error message is displayed prompting the user to fill in all required fields.
 - Known Problems:
 - User Login: A registered user in the Google Realtime Database can login with any password
- As a social student, I need to be able to access and easily navigate the friends page. [8 points]
 - Acceptance criteria:
 - User Login
 - Search Bar to send a friend request
 - Receive Friend Request
 - Access Friends Journal entries
 - Acceptance test cases:
 - Test Case 1: Successful login
 - Sign up or log in to the MoodLift application and be returned to the Home Page
 - Test Case 2: Friend Entry Page Accessibility
 - Log into the application, navigate to the Friends Page, view Friends added, click on a Friend, and be navigated to their journal history
 - Test Case 3: View Friends List on Friend Home Page
 - Log into the application, navigate to the Friends Page, send a Friend request, wait for the request to be accepted, and accept their friend request
 - Test Case 4: Pop-up message when a friend request is sent
 - Log into the application, navigate to Friend Page, type friends user into the search bar, and send a request
 - Known Problems :
 - Edge Case: No friends message if there are no friends added yet

Product Backlog: Provide a list of the high-priority user stories and bug fixes that can serve as a guide for a follow-on project.

- As a student, I need to be able to login so that I can journal and track my mood with MoodLift [8 points]
 - As a student, I want to sign up for a journal application using my university email so that I can access features on an application that can give me mental health resources.

Description/Bug Fixes:

- The story is finished to the extent that there is a login page that exists with the user emails being set and stored in the database. The login is functional solely relying on the user email that is being provided (an incorrect email address being provided will cause a failed login attempt).
 - Bug: The password functionality is not working (i.e. any “password” may be typed in the browser, and someone may login).
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- As a student, I want to learn stress and anxiety management strategies/techniques through this app so that I can handle university pressures better. [8 points]
 - As a student, I want to watch videos that can give me tips on how to better manage my stress and anxiety.

Description/Bug Fixes:

- We were not able to include any stress management techniques besides links that are provided to the user. We also didn't get to use the Youtube API to implement viewing videos on our platform.
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- As a student, I want to set personal and academic goals to track my progress so that I can stay motivated and achieve my goals. [8 points]

Description/Bug Fixes:

- We weren't able to work on this user story during any of our sprints.