



Moody

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CPSC 2350 Project - Group #9

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Overview

Moody is an application that allows users to track their daily mood helping them to self-manage, reflect their emotions, and have a better emotional awareness.

The application generates daily quotes, music or video based on the user's mood, and the user interacts with it by selecting one or more and saving the favorite ones to revisit whenever wanted.

Application Features

1. Login
2. A daily log of your mood with room for notes with trends
3. Get a video that correlates with your mood
4. Generate a motivational quote for the day with options to save, view history, or get a new one
5. Generate a video based on mood entry about the current mood
6. Ability to save the videos you like, and view them in a list
7. Get a new mood-based video

Software Development Life Cycle

We decided to use Agile – Kanban as our Software Development Life Cycle for a couple of reasons:

- Agile is the most popular SDLC method and some of the group members have used this method previously.
- It accepts changes requirements to ongoing projects, which facilitates in case the program owner or design team decides to modify something.
- It has frequent deliveries with a shorter timescale.
- The next task to be implemented is based on what the project requires. For example, if the application is running slow the next priority will be fixing this issue.
- Kanban method operates by moving tasks along the board, from "To Do" to "In Progress", then to "Testing", and "Done" when it's complete.

User Stories

Rachelle 17 years old Student Vancouver

Has mild anxiety and wants to track those moods to understand when they happen so she can develop a system to avoid getting super anxious.

Marco 23 years old Human Resources Toronto

Has a really stressful job at a multinational and wants to find new methods to cope with the stress.

Nickolas 28 years old Product Designer New York

Wants to understand his mood so he can manage them and feel better faster. Like listening to a relaxing song or watching a guided meditation video.

Rebecca 35 years old Professor London

Likes to experiment with different tools and apps. Wishes to understand previous emotions and triggers because finds it difficult to specify emotions

Technology Stack

Express.js

A back-end web application framework for NodeJS that provides simple routing and middleware for requests made by clients and handling responses.

Bootstrap

A HTML/CSS framework that supports major browsers and is easy to set up out-of-the-box. It has several jQuery plugins and styling for many HTML elements from buttons to typography.

Node.js

An open-source JavaScript-based framework that allows us to do all the programming and API logic in the same language as client-side logic and can handle requests and responses via Express for the pages. Application Programming Interfaces (APIs)

Application Programming Interfaces (APIs)

I. Zenquotes

Zenquotes was chosen because of the features built into the API, such as random quotes or a daily one, as well for the straightforward JSON responses. It also does not require approval and depending on use, no key as well.

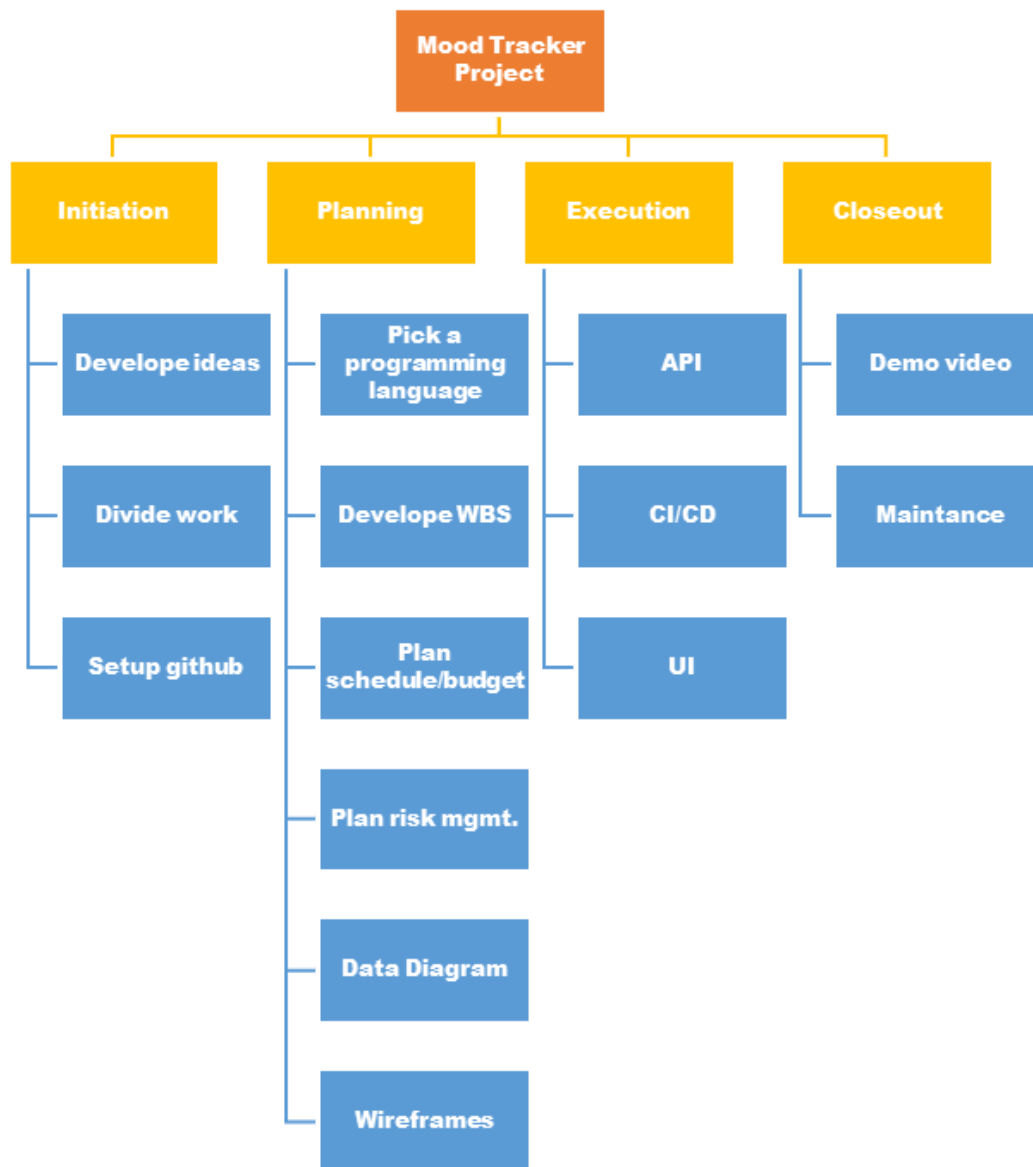
- Save favorite quotes
- Check previous quotes
- Display daily quote
- Generate new quote

II. YouTube

YouTube was chosen for its unparalleled inventory of videos, allowing us to use videos that would be difficult to find anywhere else but on their platform due to their influence over the video hosting industry. They also are a world-leading tech company which helps with the robustness of the API as well as having lots of documentation available for it.

- Save favorite videos
- Check previous videos
- Gives videos relating to daily mood
- Generate new videos

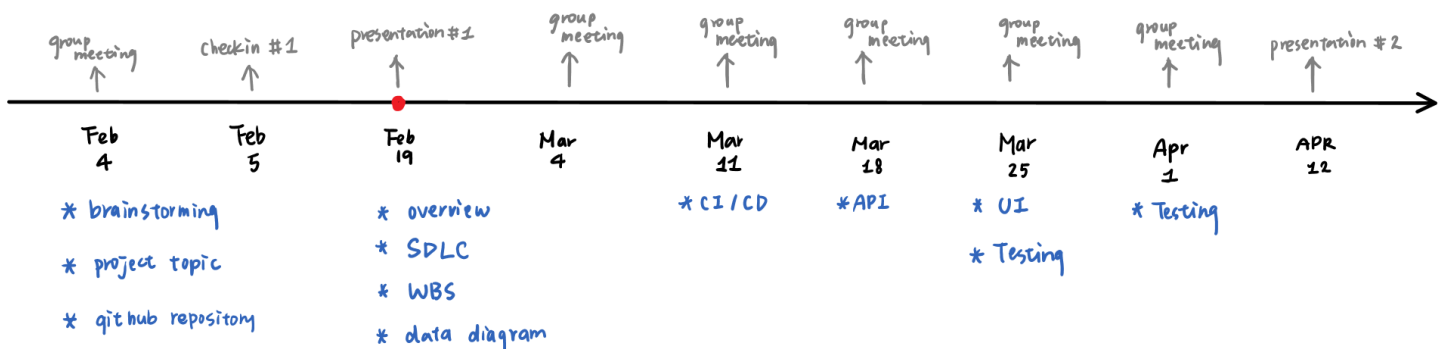
Work Breakdown Structure (WBS)



Project Schedule

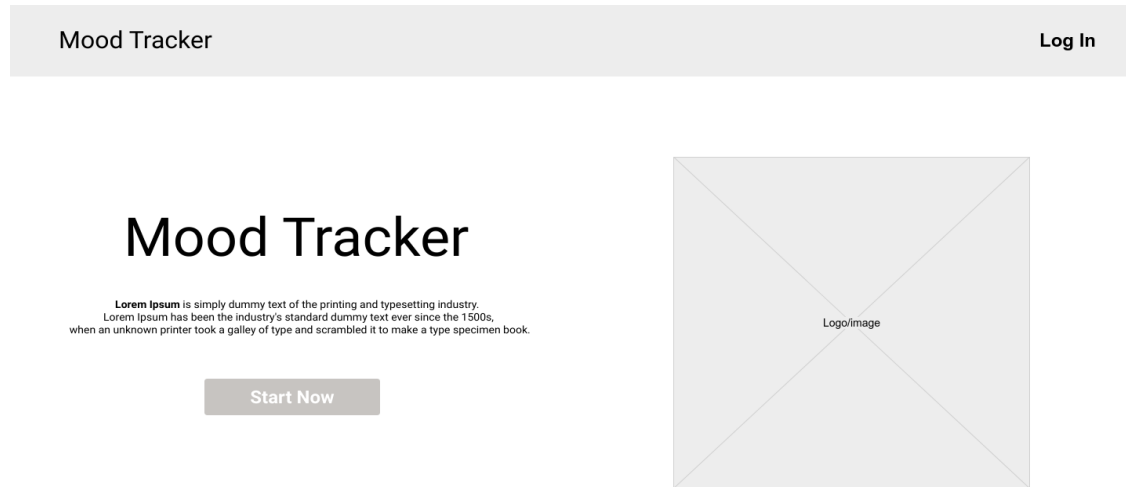
Group discussion	Feb. 4, 5, 11, 18
Project Report and Presentation #1	Feb. 19
Group discussion	Mar. 4, 11, 18
Check-in #2	Mar. 19
Group discussion	Mar. 25, Apr. 1
Project Report and Presentation #2	Apr. 2

Project Timeline

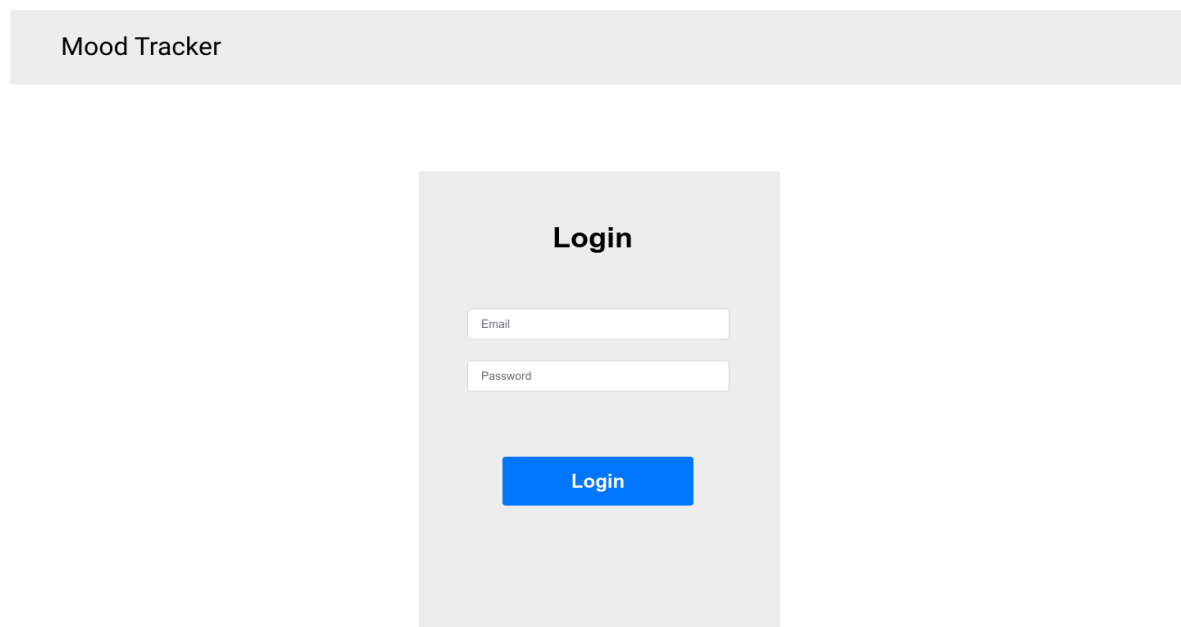


Wireframes

Homepage



Login page



Add mood page

Mood Tracker

Daily Mood

History

My Account

Mood Tracker

Add your daily mood here!

Date: today's date

Mood / dropdown menu

How are you feeling today?

Would you like a inspirational quote / video with your mood submission?

☐ Quote

☒ Video

Submit

Mood submitted page

Mood Tracker

Daily Mood

History

My Account

Mood Tracker

Add your daily mood here!

Your mood was submitted!

Mood

Date: today's date

Description

Edit

Your inspirational quote/video:

"Lorem ipsum"

Video

Save

Mood history page

Mood Tracker	Daily Mood	History	My Account
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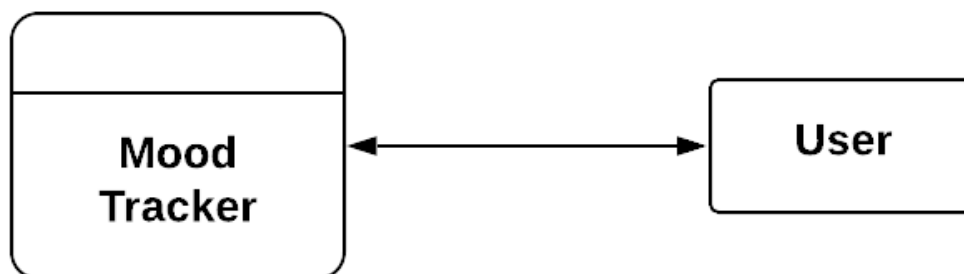
Mood History

	Mood Description	Saved video/quote
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	Mood Description	
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	Mood Description	Saved video/quote
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Data Flow Diagram - Level 0



Data Flow Diagram - Level 1

