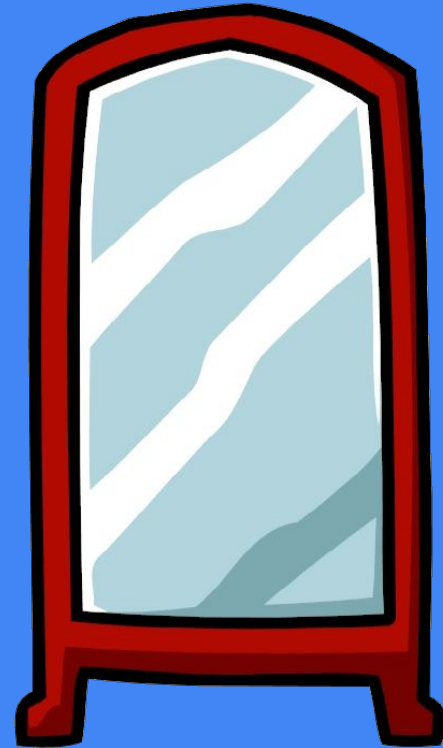# Mirr.or
(a sentiment journal)

Daniel - Product Owner
Jacob - Sprint 1 Scrum Master
Miranda - Team Member
Dominik - Team Member
James - Team Member
Parker - Team Member

What is a Sentiment Journal?

- Journaling helps with expressing emotions and practicing mindfulness
- But it can be difficult to track feelings over long periods of time

- Mirr.or provides mood scores for journal entries to help with this

- Our goal is to help users be more aware of their emotions and how they trend over time.
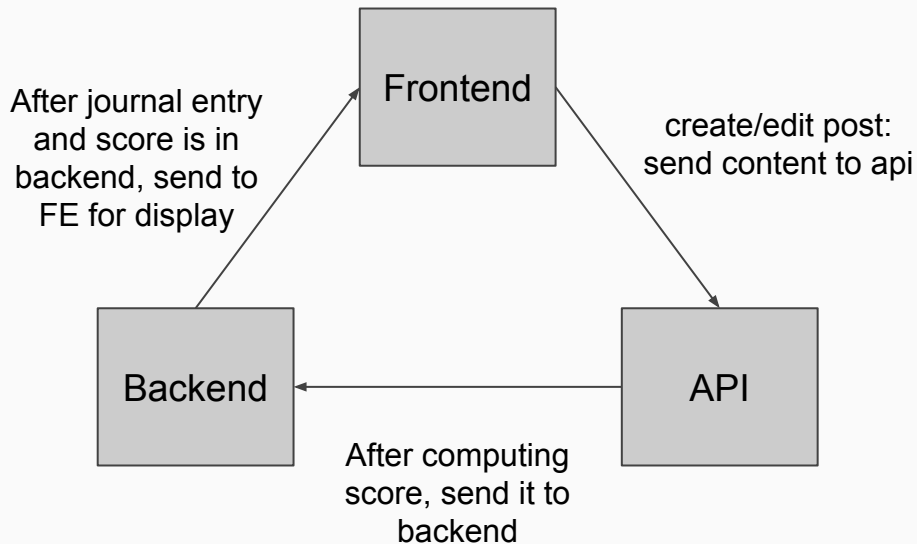
Features

A user will be able to…

- Submit journal entries.
- View past journal entries via a calendar interface.
- Receive mood scores based on journal entries.
- Be reminded of good days after a series of bad days (sparks)
- Log into my account on other devices and see my journal entries.
- Share my mood scores with others.

At a Glance

- Web Development
  - Reflective Journaling web app
- with Machine Learning
  - Sentiment Analysis API that converts journal entry to a mood score
  - 0: worst day ever
  - 100: best day ever

After journal entry and score is in backend, send to FE for display

Frontend

create/edit post: send content to api

Backend

API

After computing score, send it to backend

Sprint 1

User Stories
➢ As a user, I want to be able to submit a journal entry.
➢ As a user, I want to be able to view past journal entries on a calendar.

Infrastructure Tasks
❏ React
❏ Flask
❏ Dockerized PostgreSQL

Spikes
❖ Learning React, Flask, and PostgreSQL

Sprint 2

User Stories

➢ As a user, I want my journal entry to give a mood score.

➢ As a user, I want my mood score to correlate to a color

➢ As a user, I want to be able to see my mood scores displayed on the calendar

Sprint 3

User Stories
➢ As a user, I want to be able to log into my account on other devices and see my journal entries.
➢ As a user, I want to be reminded of good days after having a series of bad days

Spikes
❏ User authentication
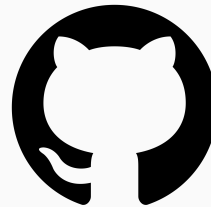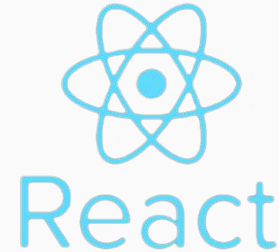 ❏ JWT(JSON Web Tokens)
  ❏ FlaskJWT

Sprint 4

User Stories

➢ As a user, I want to be able to share my mood scores with others.

➢ As a user, I want to be able to access mood scores for journals that are shared with me

Technologies

- Front End
  - React.js
- Back End
  - Python Flask
- Machine Learning Pipeline
  - Google sentiment analysis
- Database
  - PostgreSQL
  - Firebase
- Version Control
  - GitHub

Challenges

- Team scheduling and effective collaboration

- Learning new technologies

  - Integrating sentiment API with infrastructure

- Security and reliability

Minimum Viable Product

As a user, I will be able to

- Enter text entries into the journal.

- View past journal entries.

- Receive and view scores associated with the text entries.

Thank you.