1) Which tasks have been completed?

- Endpoint Discovery and Testing API Capabilities
  - Instead of using the direct Reddit API. We used a Python module that serves as a wrapper for the Reddit API.
    https://praw.readthedocs.io/en/stable/code_overview/models/subreddit.html
- Data Preprocessing
  - Reddit post data is successfully scraped and saved to a CSV.

2) Which tasks are pending?

- Text Preprocessing and Feature Engineering
  - We have experimented with text cleaning and pre-processing
  - We started working on a text-preprocessing module that can be shared across models
- User Interface Design and Data Visualization
  - We started working on a skeleton dashboard to gain more insight into the layout
- Comparison and Experimentation of different algorithms
  - We have started analyzing sentiment using VADER. We still would like to experiment with at least 3 other models.
- Visualization of Sentiment Trend
  - This task has not been started
- Connecting Backend to Front End
  - This task has not been started

3) Are you facing any challenges?

We are concerned about the time it will take for our web application to pull down posts and analyze them. There will be lots of challenges in optimizing our code.