

Recitation 14 - #2

Team Name: Team Two

Team Members: Dylan Kriegman, Caleb Jimenez, Ryan Stone, Marcus Chong, Florian Frick

Application Name: Buff Forums

Application Description:

A web application like reddit where users can create posts with metadata including images, texts, and links. It also may have special features that are specific to students such as additional functionality for creating events and sending messages depending on the time that we have. There will be several sub forums that will be higher level data structures containing posts. These sub forums will each be dedicated to discussion of a certain topic that users would find relevant. Users will have the option to comment on posts as well as vote which will modify the underlying post data structures. There will also be the option to create sub forums with specific topics.

The application is a user friendly forum page with easy navigation, filtering and searching allowing for interconnectedness between users of like minded interests. For students, some of the additional functionality will allow users to meet other students, communicate, and organize events. It is valuable for students to interact with one another to share and communicate easily. The goal of our application is to connect students and other users in new ways that no other social media application has ever been able to accomplish.

Vision Statement:

Our goal is to create a forum for users to share and discuss new and creative ideas with one another.

Version Control: [Github Repository Link](#)

Development Method: [Github Board Link](#)

We will be using an Agile development methodology. This method will contain group members being assigned different aspects and features in the form of sprints. This method of organization will allow everyone in the group to always understand what their current task should be, and the approximate time they need to plan out in order to complete it.

Communication Plan:

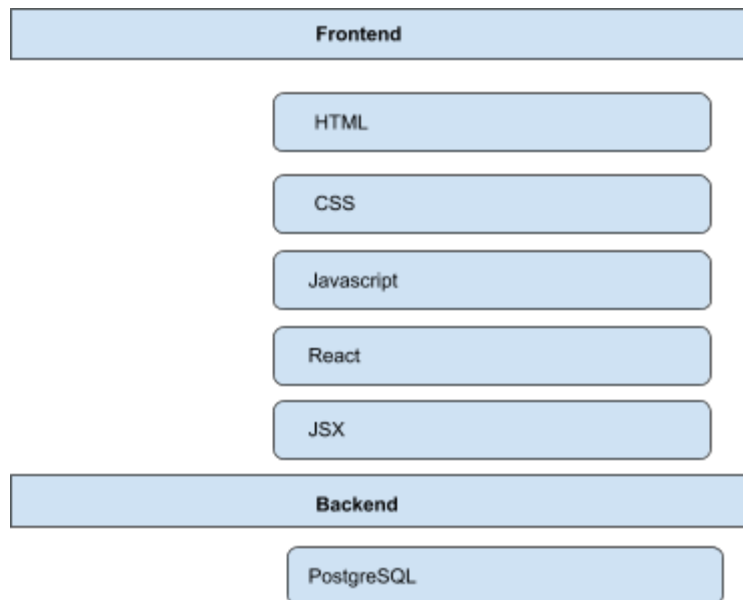
We are using Discord, Github, Github Projects, Google Drive, Google Calendar, and Zoom to communicate during this project. On Discord, we have a couple of channels and each one is dedicated to the people working on certain features, so we have a frontend, backend, and integrations channels. Within the main channel, the scribe posts reminders about meeting times, upcoming deadlines, and zoom links as well as their corresponding google calendar content. To coordinate our work, we store and update features that need to be implemented in the Github board. We organize the tasks into features with tags like backend, frontend, etc. Code will be committed and pushed to the shared Github repository as people work.

Meeting Plan:

Our Team has chosen to meet once weekly on Sunday from 9:30 to 11:30 (MTN) on Zoom as well as meet once a week on Wednesdays at 2:45 to discuss our progress with our TA. We will also communicate and meet as needed using services such as discord and groupme.

Proposed Architecture Plan:

The website's frontend and business logic will be created using React, Express, JavaScript, JSX, HTML, and CSS to display posts, allow interaction, and provide user navigation options. This user interface will communicate with the backend to record and maintain information. The backend will use a PostgreSQL database to store user accounts and information and store posts and comments.

Preliminary Architecture Diagram:

Use Case Diagram:

