

Recitation 14 - #2

Team Name: Team Two

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

Application Name: Buff Forums

Version Control: [Github Repository Link](#)

Development Method: [JIRA Board Link](#)

Revised Features List:

Create an Account (1)

- Users will be required to create an account in order to access the site.
- The website will check if the user already has an account with the site, and if not will redirect them to the account creation
- Users will be able to make a new account with their own basic info and a unique login.

Login (2):

- Users will be able to login into an account using their username and password from when they registered

Create a Post (1):

- The page in which a user can create their own post in a variety of mediums.

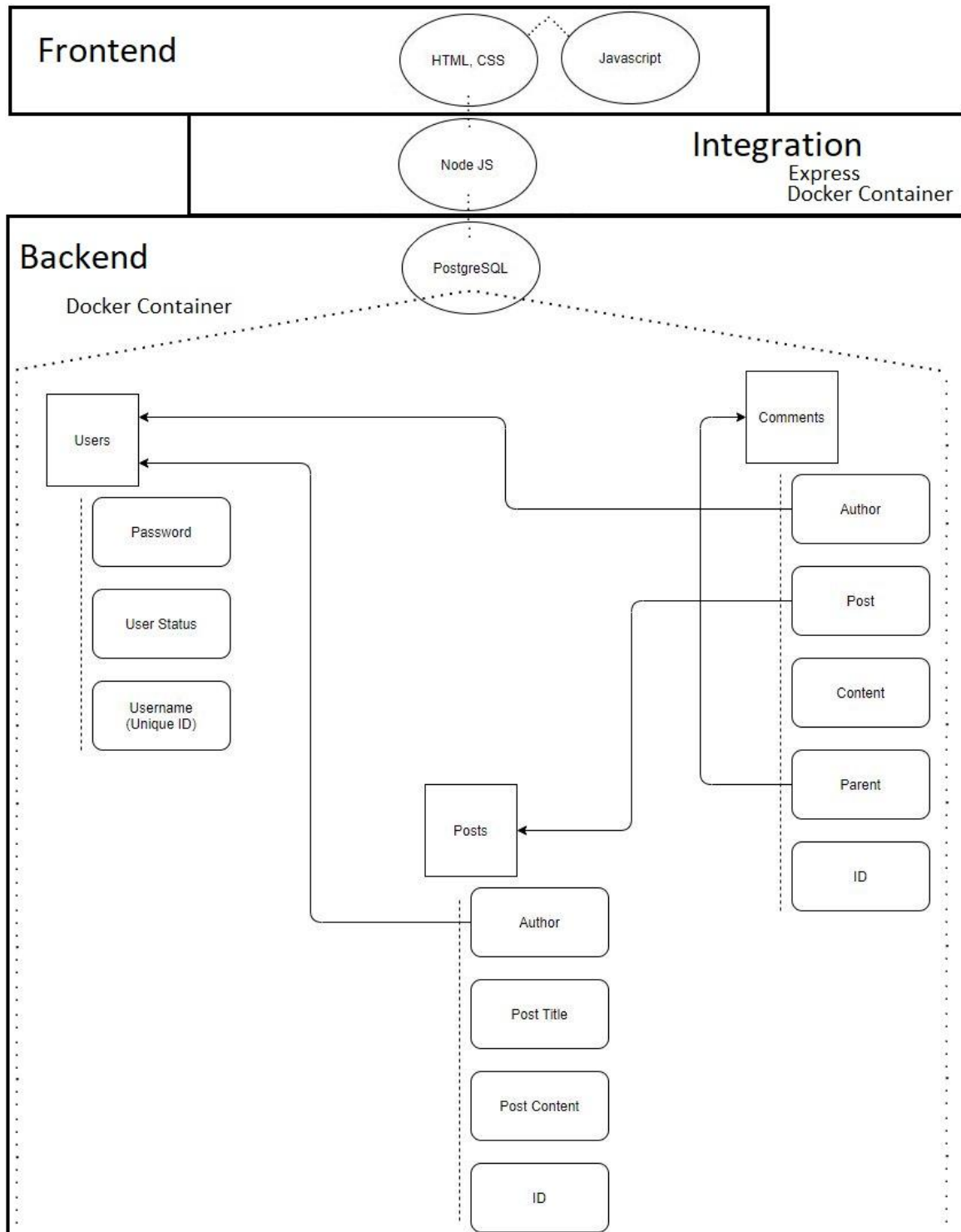
View the Home Page (1):

- Users will have an html page filled with posts from the database that allows navigation to other pages including a post or “sub-forum”.
- There will be post creation linked available on this page
- The home page allows account creation, login

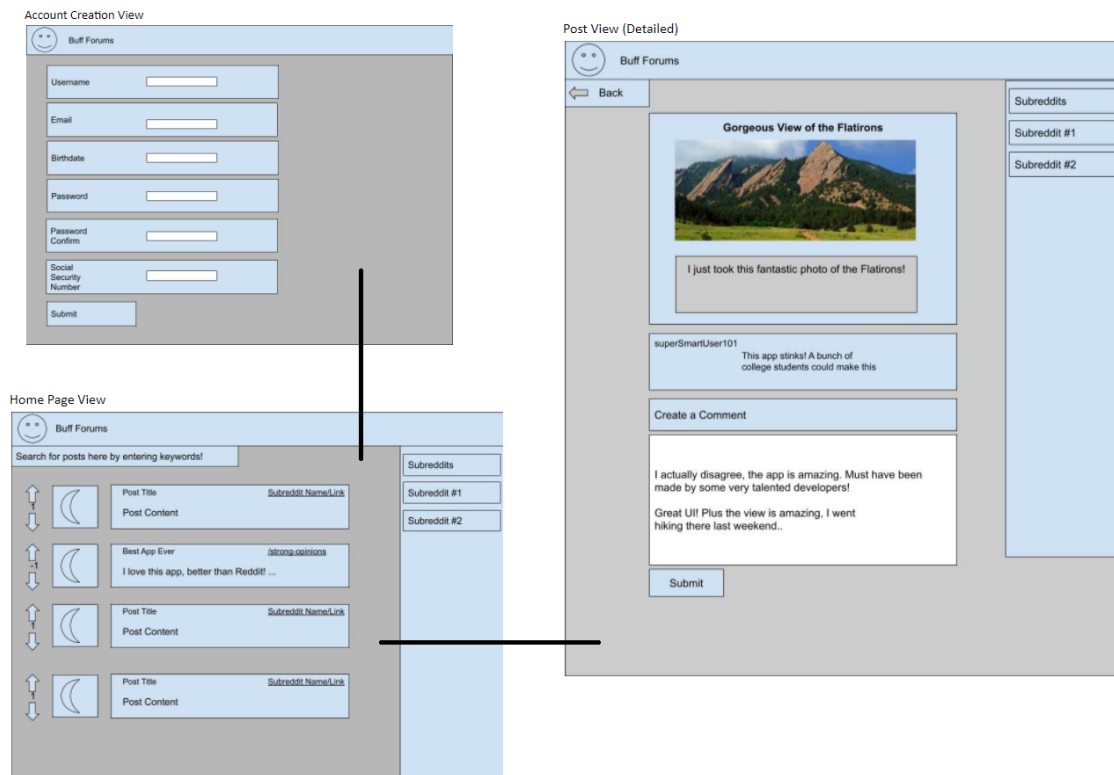
View a Post (2):

- Users can view a post in a separate html page with more information from a post and comments below.
- Users can create additional comments on a post or a parent comment on this page.

Architecture Diagram:

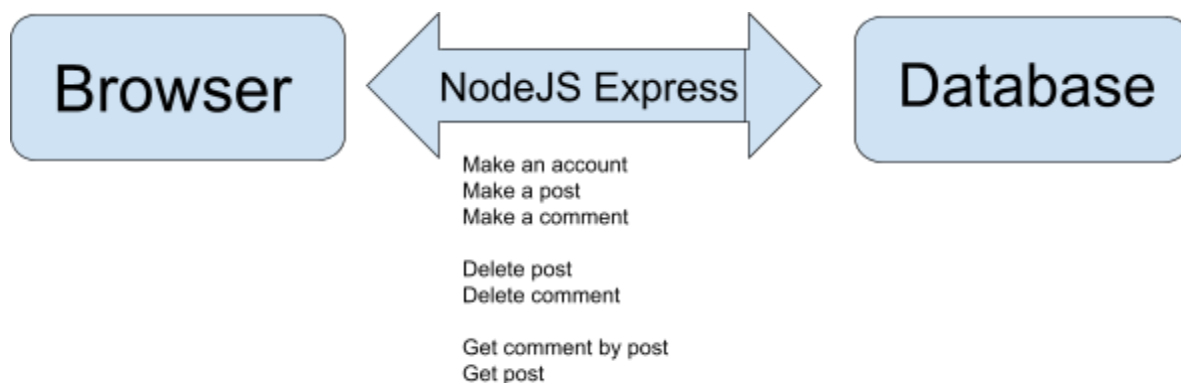


Front End Design:



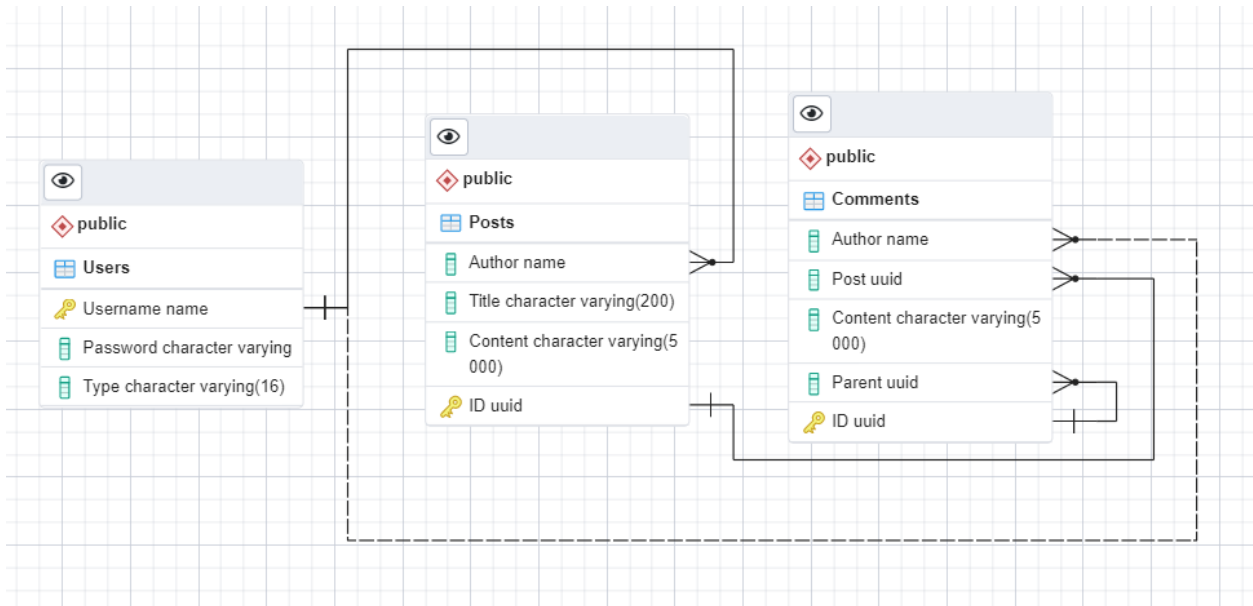
Web Service Design:

- We are using NodeJS Express to interact with the database by inserting and querying information.
- Requests to create or delete accounts, posts, and comments will insert or remove information to/from the database.
- Queries for posts and comments will send information to be displayed on the client browser.



Database Design:

PostgreSQL Entity Relationship Diagram:



Individual Contributions:

Team Member	Contribution	Latest Commit
Dylan Kriegman	<ul style="list-style-type: none">Account creation pageAccount creation javascript	Latest Commit
Ryan Stone	<ul style="list-style-type: none">Working on voting system, attaching to database	Latest Commit
Noah Warren	<ul style="list-style-type: none">HTML and CSS for frontend	Latest Commit
Florian Frick	<ul style="list-style-type: none">Database creationDatabase containerage using docker	Latest Commit

Marcus Chong	<ul style="list-style-type: none"> Create Post Page 	Latest Commit
Caleb Jimenez	<ul style="list-style-type: none"> Commenting on post page 	Latest Commit

Project Management Board:

TO DO 3 ISSUES

JS for account creation

X14-28

CJ

JS for homepage

X14-29

NW

SQL for sub-forums

X14-43

MM

IN PROGRESS 6 ISSUES

SQL for accounts

X14-25

FF

SQL for posts

X14-26

FF

SQL for comments

X14-41

NW

Post Creation - a page for making a post with different content

POST CREATION PAGE

X14-30

MM

JS for making a post

X14-32

RR

JS for navigation between pages

X14-31

DK

DONE 7 ISSUES ✓

HTML and CSS for homepage

HOME/SUBREDDIT PAGES

X14-18

✓ NW

Html for Sidebar

HOME/SUBREDDIT PAGES

X14-19

✓ RR

HTML for Navbar

HOME/SUBREDDIT PAGES

X14-22

✓ RR

Prototype backend for account managemet

ACCOUNT CREATION

X14-24

✓ DK

HTML and CSS for viewing a post (enlarged)

Challenges and risks:

1. It's been difficult to get docker containers working and to setup the database for everyone so that each person can individually work on the backend for each of their pages.
2. Integrating the backend to frontend with NodeJS has been challenging as the server management, querying, and node itself are difficult.
3. Figuring out ways to cooperate with each other on the project in this remote environment is difficult, especially with very busy schedules and studying.

Backup/risk mitigation plan:

- Most of the technical challenges are necessary to complete for the project so we will reach out for help from available resources, such as our TA, when necessary and applicable.
- In time sensitive circumstances, we will prioritize the completion of fundamental aspects of the project, like integration between the front and back end via nodeJS, so that additional features are easier to add afterwards.
- If communication and collaboration becomes too difficult for a given task, we will organize to work together via zoom during a time beyond our usual scheduling.