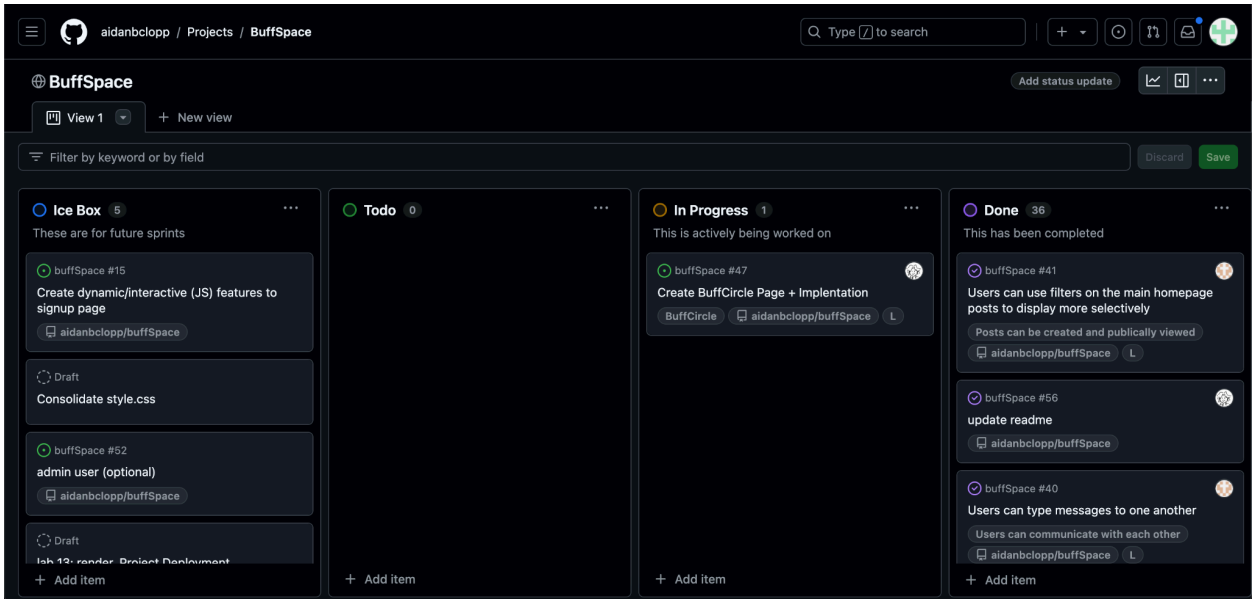
Title:
BuffSpace
Group members:
Gabby Laquindanum, Cola Ren, Sopy Thann, Woolee Han, Aidan Clopp
Project Description:
BuffSpace is an online social networking website. It is a recreation of MySpace but personalized to the students of University of Colorado Boulder. On this website, users can create and log into their own personalized accounts. They can edit their name, profile picture, biography, graduation year and major. They can add friends based on similar majors and classes in the BuffCircle tab, which is an explore page. On the explore page users can filter out people to match with based on classes or just overall similarities in majors. After the user adds new friends they can see posts made by their friends on the homepage. On the homepage of BuffSpace we have a welcoming page with your profile and the time. The user is met with many recent posts their friends have made. They can see a list of all their friends on the left side of the page right under the time. On the right side of the page users can make posts and see posts of friends. There is a friend page that lets you see all your friends and message or unfriend them. Lastly there is a messaging tab that allows users to message any one of their friends.
Project Tracker- GitHub Board:
https://github.com/users/aidanbclopp/projects/2/views/1



Video:
https://drive.google.com/file/d/1Nr5NHaEM1b0mFXjiRVc8MZP4foLXVaqC/view
VCS:
https://github.com/aidanbclopp/buffSpace

Contributions:

Gabby:
Gabby worked on the frontend, which is the HTML and JS of the register page. She also worked on the HTML and design of the main page, which is the first page users land on when accessing the website. Gabby also worked on and completed the UAT plan. She coded the backend and front end of adding music to a profile. This way users can customize their profile even further giving them even more of the nostalgic MySpace experience. Lastly, Gabby worked with Aidan on Lab 13 for deployment of our app.

Cola:
Cola completed the HTML front end of the SignUp/register page. She also completed the front end HTML of the friends page when signed in as a user. Cola also worked on sending error messages to the user when something goes wrong when registering. For example when the user wants to create an account with a username that is already taken or when they try to create an account and their passwords don't match up. She also added the popup for a new user's first friend Chip. She also made the positive and negative test cases for the login page.

Sopy:
Sopy created and coded the frontend and backend of the BuffCircle page. This includes linking majors and courses to user profiles. This function/page is used as an explore page for users to add new friends with similar majors and classes. Sopy also updated and completed the ReadMe before turning it in for extra credit. He also designed the front end and functionality backend of updating/editing profiles and he created the profile page. Sopy also created the NavBar partial for the header and footer for all the pages. Keeping the NarBars the same throughout the website.

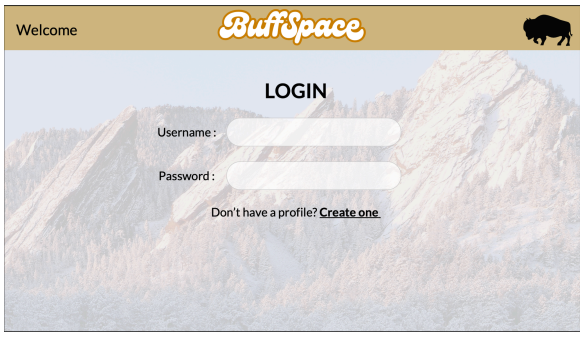
Woolee:
Woolee created the backend of the friends page, login page and register/signup page. This allows users to smoothly use the pages as intended, with links referring to the correct pages. This also means it successfully creates and stores new users and their data in our database users table. This includes matching usernames to passwords so users can login and have their data saved. This also includes avoiding overlap in users. Woolee also created the verification of username so new users cannot accidently use the same username as someone else. She also created the positive and negative test cases to test our registration functionality.

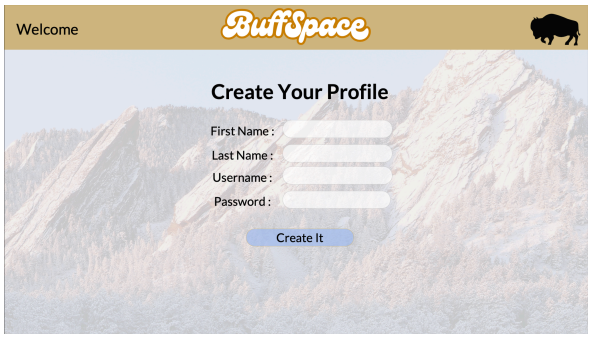
Aidan:
Aidan first started out strong by creating our Docker container. He also created the backend and frontend of the home page. Adding vision and functionality, which includes filtering out posts to only the user's own posts or the user's friends and their own posts. This also includes the functionality of creating posts. This way users can view their own posts and their friend's posts. Another thing that's also included in the post was Aidan was able to allow users to not only post messages but also post pictures. Aidan also created the frontend and backend of the messaging page. Creating the design, layout and functionality of being able to message other users. He also created the sql and database for storing user information.

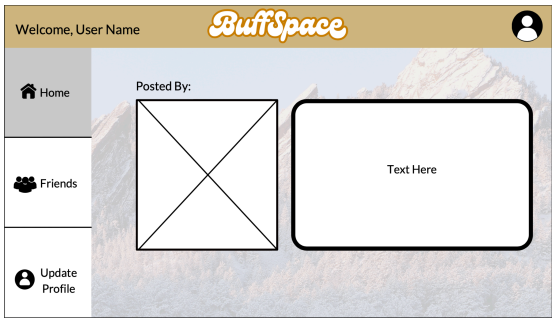
Use Case Diagram (flow chart is more detailed):

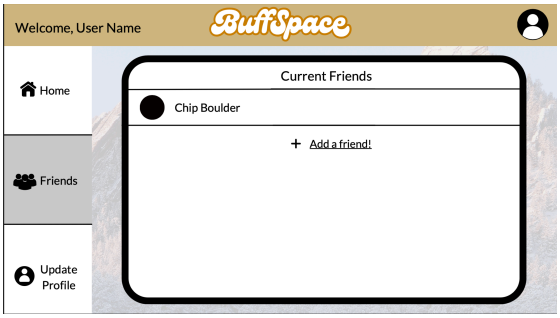
https://github.com/aidanbclopp/buffSpace/blob/main/MilestoneSubmissions/UseCaseDiagram.jpg
https://github.com/aidanbclopp/buffSpace/blob/main/MilestoneSubmissions/BuffSpaceFlowChart.png

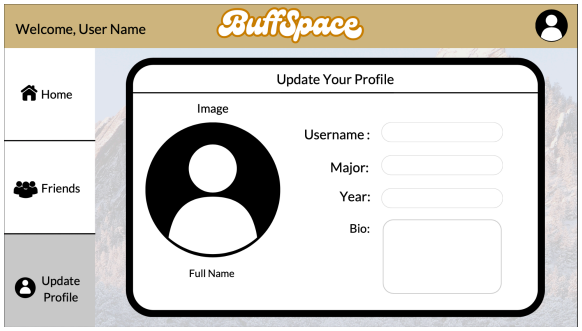
Wireframes: https://github.com/aidanbclopp/buffSpace/blob/main/MilestoneSubmissions/BuffSpaceWireframe.pdf











Test Results:

We created 4 test cases for our environment. Two for testing our login functionality and two for testing our register functionality. The register test cases are named “Testing Add User API” and the login test cases are called “negative/positive:/login”. The positive login test case tests when a user is logging in with correct credentials. Meaning correct username with matching password. The negative login test case tests when a user is using incorrect login credentials. Meaning the user is using a wrong or misspelled username or when their password is also incorrect and doesn’t match the user. The positive register test cases tests for when a user is correctly creating a new account. As in when the user has picked a username that is not already taken and the user creates a password that matches. The negative register testcase tests for when a user is incorrectly making an account by inputting passwords that don’t match.

```
web-1  | Run `npm audit` for details.
web-1  |
web-1  | > test
web-1  | > mocha
web-1  |
web-1  | Server is listening on port 3000
web-1  |
web-1  |
web-1  | Database connection successful
web-1  |   ✓ negative : /login with invalid credentials (262ms)
web-1  |   Server!
web-1  |     ✓ Returns the default welcome message
web-1  |
web-1  |   Testing Login API
web-1  |     ✓ positive : /login
web-1  |
web-1  |   Testing Add User API
web-1  | {
web-1  |   username: 'pineapple',
web-1  |   password: 'abcdefg',
web-1  |   confirmPassword: 'abcdefg'
web-1  | }
web-1  |     ✓ positive : /signup (52ms)
web-1  |
web-1  |   Testing Add User API
web-1  | { username: 'apple', password: '12345', confirmPassword: '12333' }
web-1  | Error: choose another username or password does not match
web-1  |     at Task.<anonymous> (/home/node/app/src/index.js:127:13)
web-1  |     at process.processTicksAndRejections (node:internal/process/task_queues:95:5)
web-1  |     ✓ Negative : /signup. Checking invalid name
web-1  |
web-1  |
web-1  |   5 passing (371ms)
web-1  |
web-1  |
```

Deployment: https://buffspace.onrender.com/