

Title: BuffSpace 

Group members:

Gabby Laquindanum, Cola Ren, Sopy Thann, Woolee Han, Aidan Clopp

Project Description

BuffSpace is an online social networking website that recreates MySpace with personalized features for University of Colorado Boulder students. Users can create and log into personalized accounts where they can edit their names, profile pictures, biographies, graduation years, and majors and add a song of their choice!

The platform's BuffCircle tab serves as an explore page where users can add friends based on shared majors and classes. Within this explore page, users can filter potential connections based on specific courses or overall similarities in academic majors, allowing students to connect who may have not had the opportunity before!

The BuffSpace homepage welcomes users with recent posts from their friends are displayed on the home-screen, with a friend list positioned on the left side of the page, The right side of the page features a post creation area where users can create and view posts from their connections.

The dedicated friends page allows users to view their complete network of connections, with options to message or unfriend individuals. Additionally, the messaging tab enables users to communicate directly with any of their connected friends!

Project Tracker

The screenshot shows a project management tool with a dark theme. At the top, there's a header for 'BuffSpace' with options like 'View 1', '+ New view', 'Filter by keyword or by field', and buttons for 'Add status update', 'Discard', and 'Save'. Below the header are four columns: 'Ice Box' (blue), 'Todo' (green), 'In Progress' (yellow), and 'Done' (purple). The 'Ice Box' and 'Todo' columns have zero items. The 'In Progress' column has one item: 'Create BuffCircle Page + Implementation' (BuffCircle, aidanbclopp/buffSpace, L). The 'Done' column has six items, each with a small circular icon: 1. 'Create BuffCircle Page + Implementation' (BuffCircle, aidanbclopp/buffSpace, L) 2. 'Users can use filters on the main homepage posts to display more selectively' (Posts can be created and publically viewed, aidanbclopp/buffSpace, L) 3. 'update readme' (aidanbclopp/buffSpace) 4. 'Users can type messages to one another' (Users can communicate with each other, aidanbclopp/buffSpace, L) 5. 'Create JS file for Profile page' (aidanbclopp/buffSpace, M) 6. 'Link majors to user-profile' (aidanbclopp/buffSpace, L). There are also '+ Add item' buttons at the bottom of each column and a 'Done' button on the right side.

Link

| <https://github.com/aidanbclopp/projects/2>

Video Demo

| <https://drive.google.com/file/d/1Nr5NHaEM1b0mFXjiRVc8MZP4foLXVaqC/view>

VCS

| <https://github.com/aidanbclopp/buffSpace>

Contributions

Gabby:

Gabby worked on the frontend, which includes the HTML and JavaScript of the register page. She also worked on the HTML and design of the main page, which is the first page users encounter when accessing the website. Gabby completed the UAT plan and coded both the backend and frontend functionality for adding music to user profiles. This feature allows users to customize their profiles further, giving them more of the nostalgic MySpace experience. Lastly, Gabby collaborated with Aidan on Lab 13 for the deployment of their app.

Cola:

Cola completed the HTML frontend of the SignUp/register page. She also completed the frontend HTML of the friends page for signed-in users. Cola worked on implementing error messages that display when users encounter issues during registration, such as attempting to create an account with an existing username or when entered passwords don't match. She added the popup feature for new users' first friend, Chip. Additionally, she created the positive and negative test cases for the login page.

Sopy:

Sopy created and coded the frontend and backend of the BuffCircle page, which includes linking majors and courses to user profiles. This function serves as an explore page for users to find and add new friends with similar majors and classes. Sopy updated and completed the ReadMe documentation before submission for extra credit. He designed both the frontend interface and backend functionality for updating/editing profiles and created the profile page. Sopy also developed the NavBar partial for the header and footer across all pages, maintaining consistent navigation throughout the website.

Wooliee:

Wooliee developed the backend functionality for the friends page, login page, and register/signup page. This enables users to navigate smoothly between pages as intended, with links directing to the correct destinations. The backend successfully creates and stores new users and their data in the database users table, including the matching of usernames to passwords for secure login and data persistence. Wooliee implemented username verification to prevent duplicate usernames. She also created the positive and negative test cases to verify the registration functionality.

Aidan:

Aidan began by creating the Docker container. He developed both the backend and frontend of the home page, adding vision and functionality, including the ability to filter posts to display either only the user's own posts or both the user's and their friends' posts. The functionality includes the ability to create posts, allowing users to share both messages and pictures. Aidan also designed and implemented the frontend and backend of the messaging page, creating the layout and functionality for user-to-user communication. Additionally, he created the base SQL database for storing user information.

Contributions Page:



Use Case Diagram + Flow Chart

<https://github.com/aidanbclopp/buffSpace/blob/main/MilestoneSubmissions/UseCaseDiagram.jpg>

<https://github.com/aidanbclopp/buffSpace/blob/main/MilestoneSubmissions/BuffSpaceFlowChart.png>

Wireframe

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



Welcome



Create Your Profile

First Name :

Last Name :

Username:

Password:

Create It

Welcome, User Name

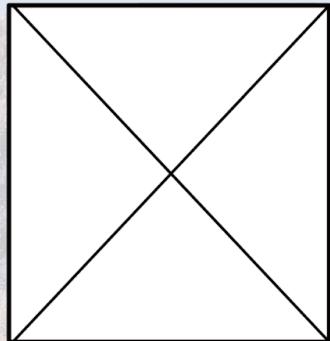


Home

Friends

Update Profile

Posted By:



Text Here

Welcome, User Name



Home

Friends

Update Profile

Current Friends

Chip Boulder

+ [Add a friend!](#)

Welcome, User Name



Home

Friends

Update Profile

Add a Friend!

Username :

[Add them](#)

Welcome, User Name



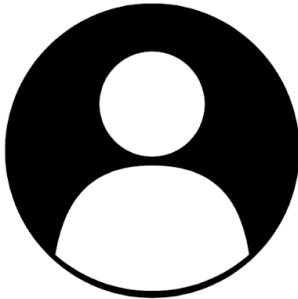
Home

Friends

Update Profile

Update Your Profile

Image



Full Name

Username:

Major:

Year:

Bio:

Test Results

We created four test cases for our environment: two for testing login functionality and two for testing registration functionality. The registration test cases are named "Testing Add User API," while the login test cases are labeled "negative/positive:/login."

The positive login test case verifies user authentication with correct credentials, specifically testing when a user enters a valid username with its matching password. The negative login test case evaluates the system's response to incorrect login credentials, including scenarios where users enter incorrect or misspelled usernames, or when their passwords don't match the stored credentials.

The positive registration test case validates the successful creation of new accounts, confirming that users can create accounts with unique usernames and matching password entries. The negative registration test case examines the system's handling of incorrect account creation attempts, specifically focusing on scenarios where users enter non-matching passwords during the registration process.

```
web-1 | Server is listening on port 3000
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 |
```

Deployment

| <https://buffspace.onrender.com/>