CUShares

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Project Description:

This application is a platform on which CU Boulder students can connect and share their personal projects in order to further their network and receive some professional experience in development. This application is meant to be free and easy to use for all users, though there is an option for monetization in the future if the demand begins to exceed the resources available to the development/maintenance team. The primary mission of CUShares is to create a "networking community" within which networking doesn't feel like a chore, but an exciting way to grow one's circle. By grouping projects and majors together we aim to provide the best possible experience for a student who wishes to put their project on public display.

When a user interacts with our application, they will first be required to register for an account via username, password, and major. Following this they can login and access their homepage. This homepage will allow them to add projects (with pictures) to their profile for others to view or edit existing projects. If they wish to view projects posted by other users, they can do so by using the navigation bar located on the top section of the site. They can comment on these projects, and can send direct messages to other users. There is also a clubs section, in which users can delve into a particular discipline and chat with other like-minded users. All of their and other users' data will persist across sessions, allowing for long-term use.

Project Tracker: https://github.com/orgs/CSCI3308-Team-016-01/projects/1

Video (bad audio):
📄 Project Demo.mp4

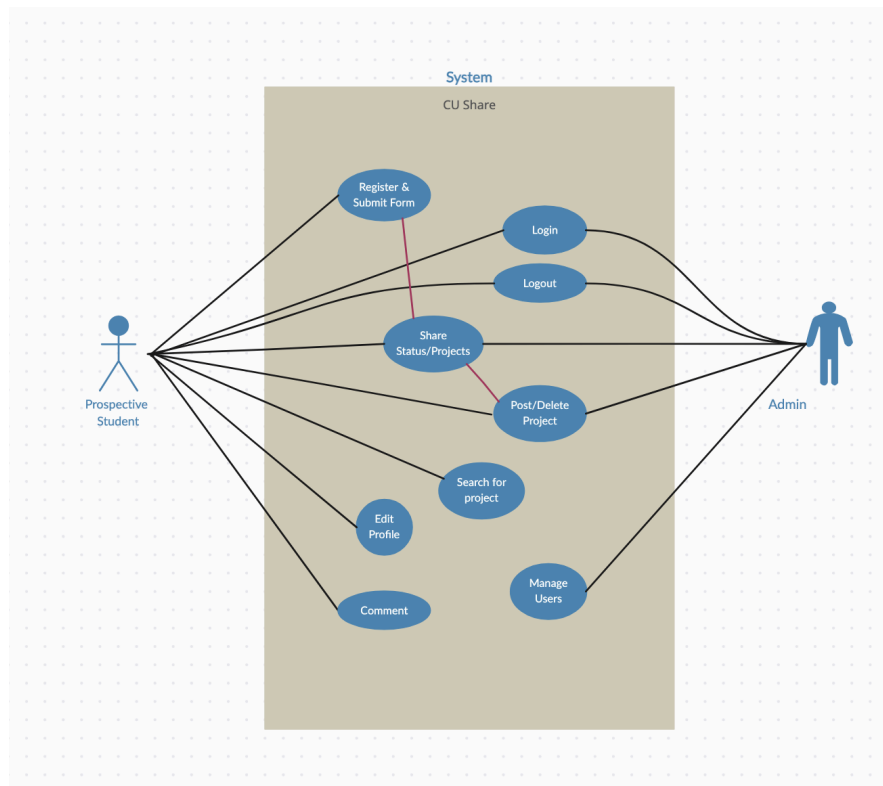VCS: https://github.com/CSCI3308-Team-016-01/Group-Project.git
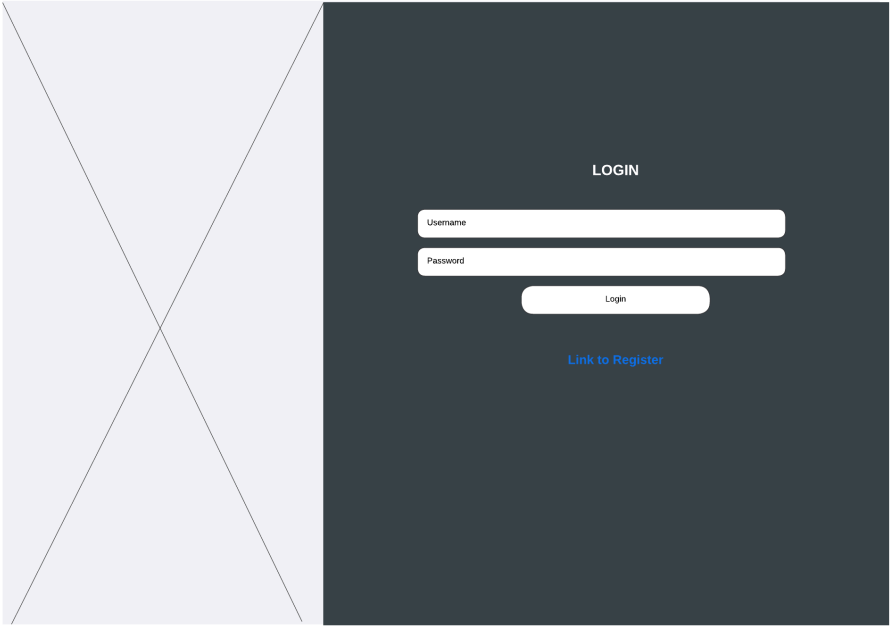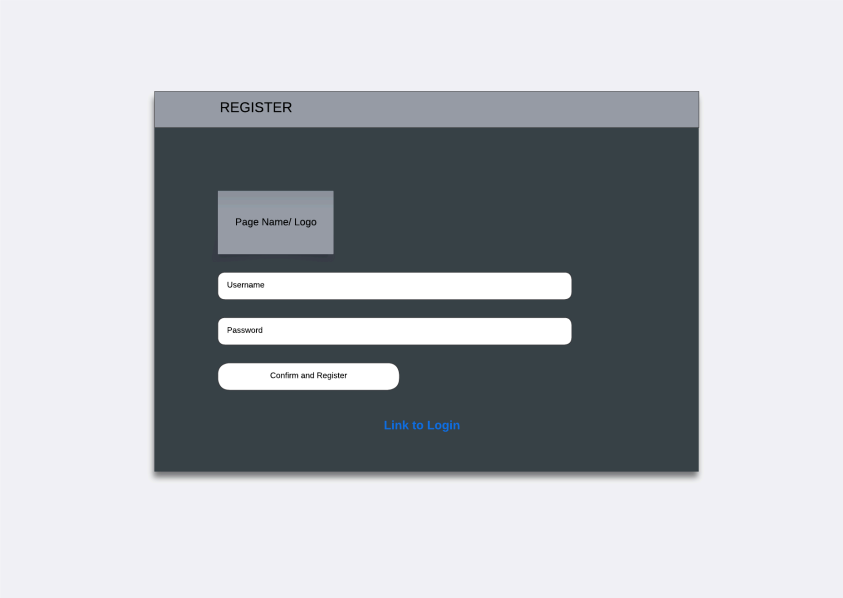
Contributions:
- Cameron Foppe: Created the navbar, groups page and groups cards using handlebars, js, bootstrap, and postgresql. Handled one UAT test case and the login unit test cases (using chai). Updated projects page UI and wrote release notes. Created wireframes for the initial project design.
- Noah Liska: Created project page as well as HTML. Assisted with GitHub setup and workflow throughout the project. Helped debug functionality. Assisted with writing project write up.
- Patrick Nguyen: I styled the login and registration page and assisted with the UAT test cases. I also designed the case diagram and helped with the initial project repository when it can to docker. Helped debug the database functionality.
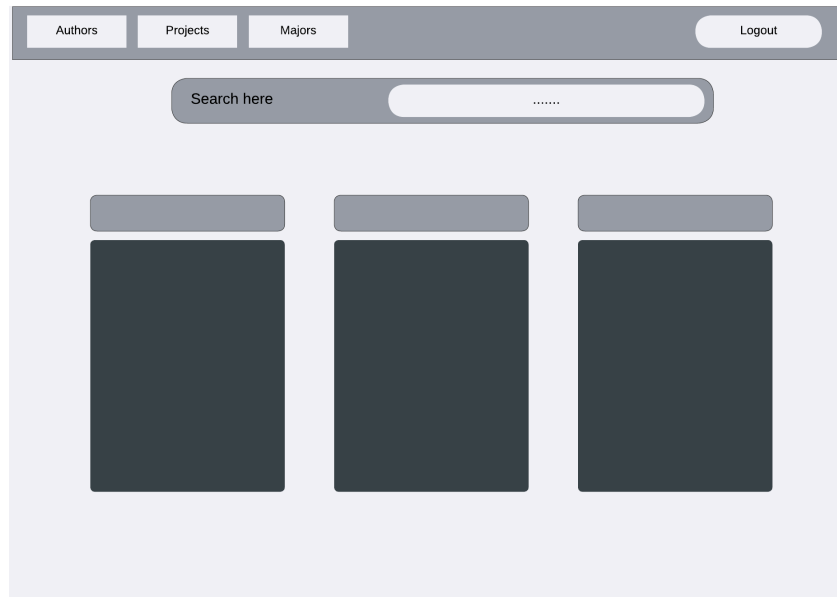- Neena Parikh

- Dax Roy: I was originally assigned and then created the original create.sql and insert.sql and it was updated later by others. I also was tasked with making a leaderboard api for the project and author pages to list the projects by likes and the authors by the number of projects they've created. I created partials for these apis so they can be used anywhere. Through this I designed a version of the project page and author pages that were later updated to fix the bare-bones UI/UX.
- Connor Smith: Created initial functioning project repository. This included a functioning postgresql database with login, register, and home pages. Filled out the home page and an individual user's projects view page. Wrote TA meeting notes and most user stories. Assisted with resolving other team members' and my own code conflicts with the main branch. Had a primary role in completing web hosting of the site. Wrote two unit test cases. Recorded project demo video. Demoed project during final presentation.

Use Case Diagram:

Wireframes:

REGISTER

Page Name/ Logo

Username

Password

Confirm and Register

Link to Login

LOGIN

Username

Password

Login

Link to Register

Test results:

User: CU stem student who is not in software development

➔ Case 1: Involves the user successfully registering and logging into a new account while receiving correct error messages based on the information they input into the fields.

- Results/observations: User was able to successfully register an account and login without issues. However, error field messages displayed twice and sometimes displayed too complicated of an issue for the user to understand.

➔ Case 2: involves the user successfully uploading a project and receiving correct error handling messages.

- Results/observations: The user was able to successfully add a new project and upload their own image for it, displaying correctly on the projects page.

➔ Case 3: The user will be able to navigate to the authors page and view Connor's posted project.

- Results/observations: User was able to easily view other authors' projects and view projects in the projects page without error.

Deployment:

This project was deployed locally using a Docker container environment due to a limited number of credits allotted for cloud hosting services. In order to initialize the container, navigate to the source directory, and then follow the workflow below:

- cd ./ProjectSourceCode
- docker compose up -d # -d flag is optional
- Navigate to a browser and enter URL localhost:3000
- Make sure Docker app is running as well