Larté Project Report

Collaborators:

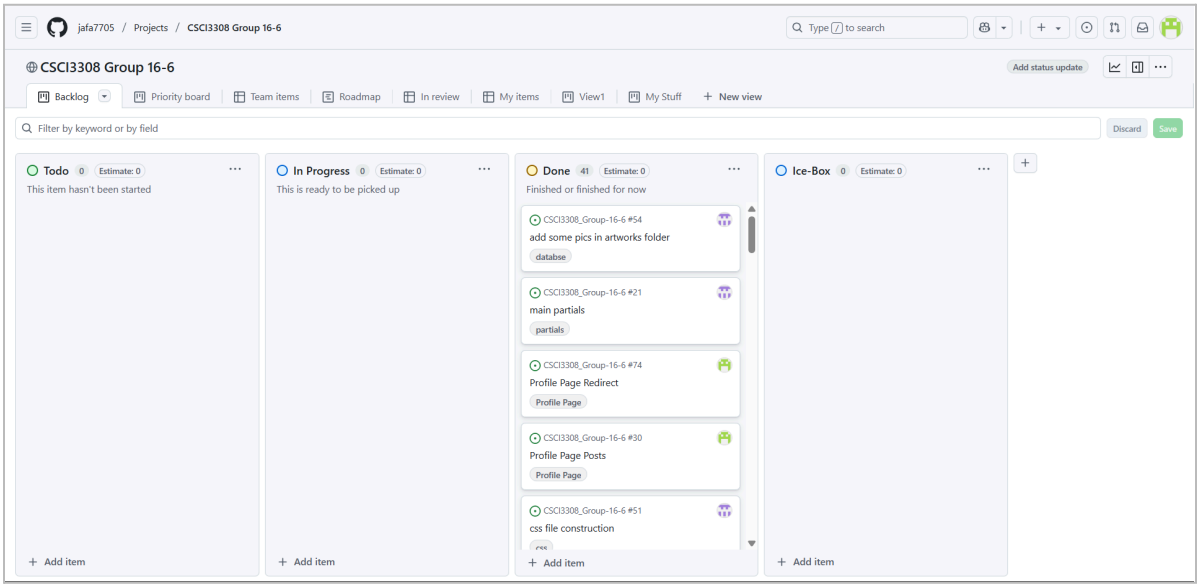
By: Sydney Pritchard, Jiaye Zheng, Evan Kweder, Christian Mesa, Jason Fan

Project Description:

The goal of our project was to design a website that allows artists to be discovered by employers. With this in mind, we created a platform where artists can showcase their work, employers can connect with them, and where every artist has a fair chance to be discovered. Our homepage features a stream of the most recent art created by a variety of artists, solely displayed on a time basis. This ensures that every artist has an equal opportunity to be viewed by potential employers, regardless of their popularity. We've included a basic user search bar, along with a "tag" search bar, allowing you to search by different genres of art that artists can choose to add to their artwork. Each user has a profile that displays their connections and posted artwork. However, what sets our website apart is that connections are exclusively initiated by employers, and artists can choose to accept or reject these connections. This design choice is to create a focus on professional opportunities, such as gallery showings or long term commissions, rather than more casual interactions. Through these features, our platform connects artists and employers within a professional setting, aiming to give artists more opportunities and offer employers a space to discover and engage with their work.

Project Tracker:

https://github.com/users/jafa7705/projects/2



Video Demo:

https://youtu.be/4YHMVjJRK0Y?si=Hq93soivQW8cgWvf

Git Repository Link:

https://github.com/jafa7705/CSCI3308_Group-16-6.git

Contributions:

Sydney

For my contribution, I began by simply creating the initial login and post pages without database connections. I then fully implemented the search bar, which involved building a separate page to display search results. My main contribution, however, was developing the employee connect feature, which required creating new app routes and making updates to our server-side profile logic. Towards the end, I helped refine the product. This included fixing minor bugs, tweaking CSS details, helping with the presentation and report, and ensuring we had a polished final product.

Jason

During the first stages of our project I started by implementing the registration page, then the header (navigation bar) with functional buttons to access all pages of the website as well as the search bar. The bulk of my work during this project involved connecting the new posts to the database and creating a connection between the frontend and backend that allowed the home page to automatically update with posts created. Finally, I worked on the styling with CSS, adjusting the appearance of the website and making each page look like cohesive parts of a whole.

Christian

My contribution began with the profile page. It started as a frame with just the titles for the information that would be present. I then added the edit profile button. After the database was created I was able to have data put into the bio boxes automatically and just have a general connection with the front and back end of the website. I then created the messaging system, along with helping connect that to the connections system. I finished with bug fixes, some css, background image for login, and icons.

Evan

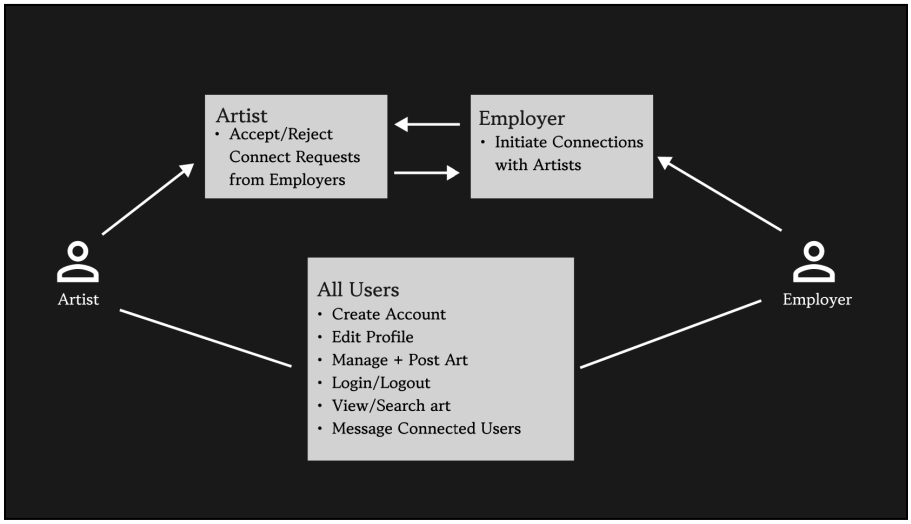
I started with making the home page and getting docker set up with index.js and package.json files so we could view the website. I then worked on test cases for the lab

and made a temporary users table and registration route. My next project was working on saving users into a database so you could login and register and have your account be saved. With these changes I also made some fixes to error messaging in the login and registration pages. My next week was spent fixing bugs and adding in image functionality to the site. This involved making big changes to index.js and a lot of other parts of the site. Finally I made the profile page look more professional, changing posts into a grid format and making it look more like an instagram style profile.

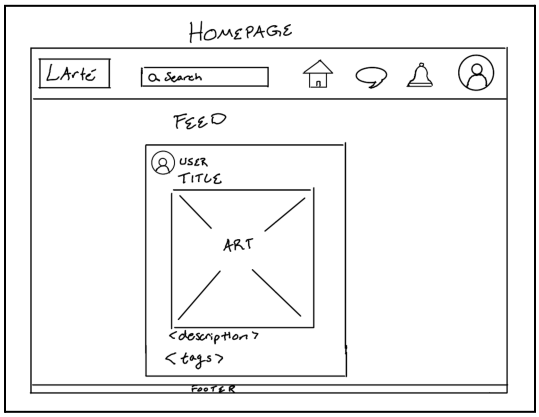
Jiaye Zheng

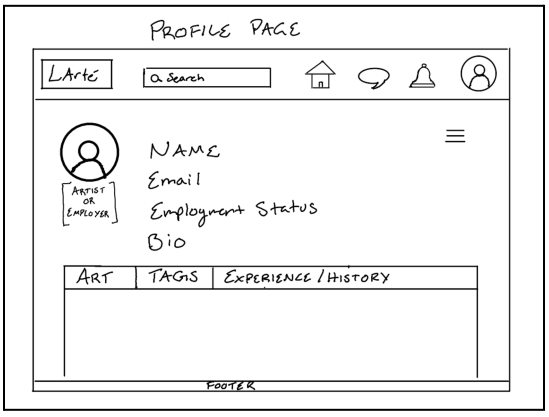
My contributions to the project centered around the backend database design and frontend UI integration. I designed and implemented the structure of our database, including creating the schema and writing SQL scripts to initialize the database with sample data for testing. On the frontend side, I developed the footer component and the main page layout using Handlebars partials to ensure modularity and reusability across the site. I also assisted with CSS styling, particularly focusing on unifying layout elements and ensuring the site maintained visual consistency. These contributions helped bridge the backend data with the frontend interface and laid the foundation for future feature integration.

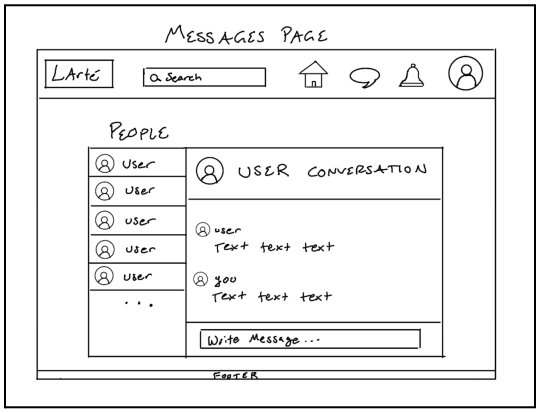
Use Case Diagram:

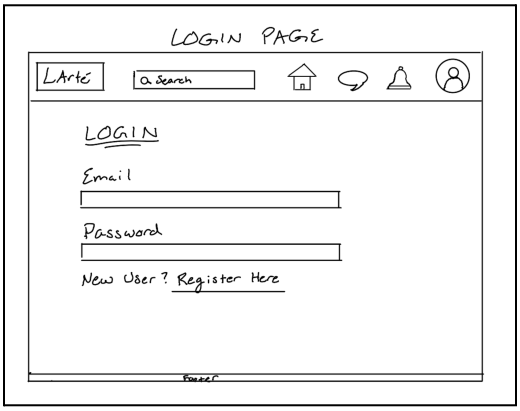


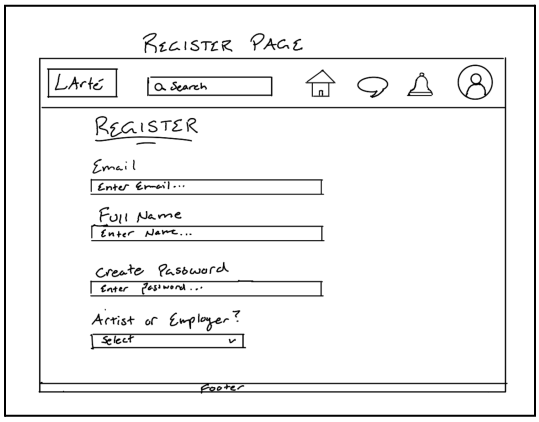
Wireframes:











Test Results:

UAT Plans
Feature 1: Functioning User Profile Edit Buttons
The users want edit buttons on their profiles that are usable/visible by just the person who owns that profile. Test data that could be used are the users individual pages/ID and the bio text. This would be tested through the cloud, with verification of

the changes seen on the page. If the buttons are visible exclusively to the user's owner and the changes that occur are saved to the database and thus seen by all users then the feature is working correctly. User acceptance testers are other Computer Science Majors.
Results:
*Users clicked the edit button quickly and typed multiple messages into the boxes.
*The users did their actions because they were following the message box prompts.
*The behavior is consistent.
*No changes made.

Feature 2: Functioning Feed
The users want a feed that will show posts from other users on the website. They can filter by tags on these posts. Test data could be posts that are already on the website (or sample posts). This would be tested through the cloud, with verification of the changes seen on the page. If posts are visible from other users in the feed section, and the users are able sort with filters then the feature is working correctly. User acceptance testers are other Computer Science Majors.
Results:
*Users scrolled up and down the feed. They tried clicking on the profile names and that did not do anything.
*The users intuitively knew that they could scroll. Most websites have the ability to click on the usernames.
*It is consistent with the use case, but they were expecting more.
*We were not expecting them to click on the usernames. We did not think to include it.
*Yes, we added the ability to click on the usernames on posts.

Feature 3: Ability to Post Art
The users want the ability to post art with tags with descriptions. Test data could be sample images, tags, and descriptions for specific users. This would be tested through the localhost, with verification of the changes seen on the database. If the image, tags, description, and userID are visible on the database then the feature is working correctly. User acceptance testers are other Computer Science Majors.

Results:
*Users tried to post pictures into the post box. They also tried random files of non-picture type.
*Their actions just followed the prompts for the boxes.
*Mostly, they tried to put in random files, but the rest followed the use case.

*They tried to put in random files that were not images. They were curious what would happen.
*Yes, we forced the inputs to be image files only.

Feature 4: Messaging between Users
The users want the ability to message other users they have a connection with. Test data could be long messages, messages with special characters, and multiple messages sent quickly. This would be tested through the localhost, with verification of the changes seen on the website. If the messages are sent in the correct order no matter how long or how many special characters they have then the feature works correctly. User acceptance testers are other Computer Science Majors.

Results:
*Users sent messages in the message box to different contacts.
*The users followed the message prompt and the bar saying 'Contacts'.
*Their actions were consistent with the use cases, yes.
*There were not any derivations.
*No changes were made.

Deployment:

The website can be found at `https://csci3308-group-16-6.onrender.com`
If this is not found, instructions to run the website can be found on the github ReadMe.