Bounty Board Project Report

https://github.com/Larrymshan/Bounty-Board-Project-Team-01

Group members

Trevor Schmuckley
Grayson Smillie
Jacob Lehman
Larry Shan
Alessandro Cantele

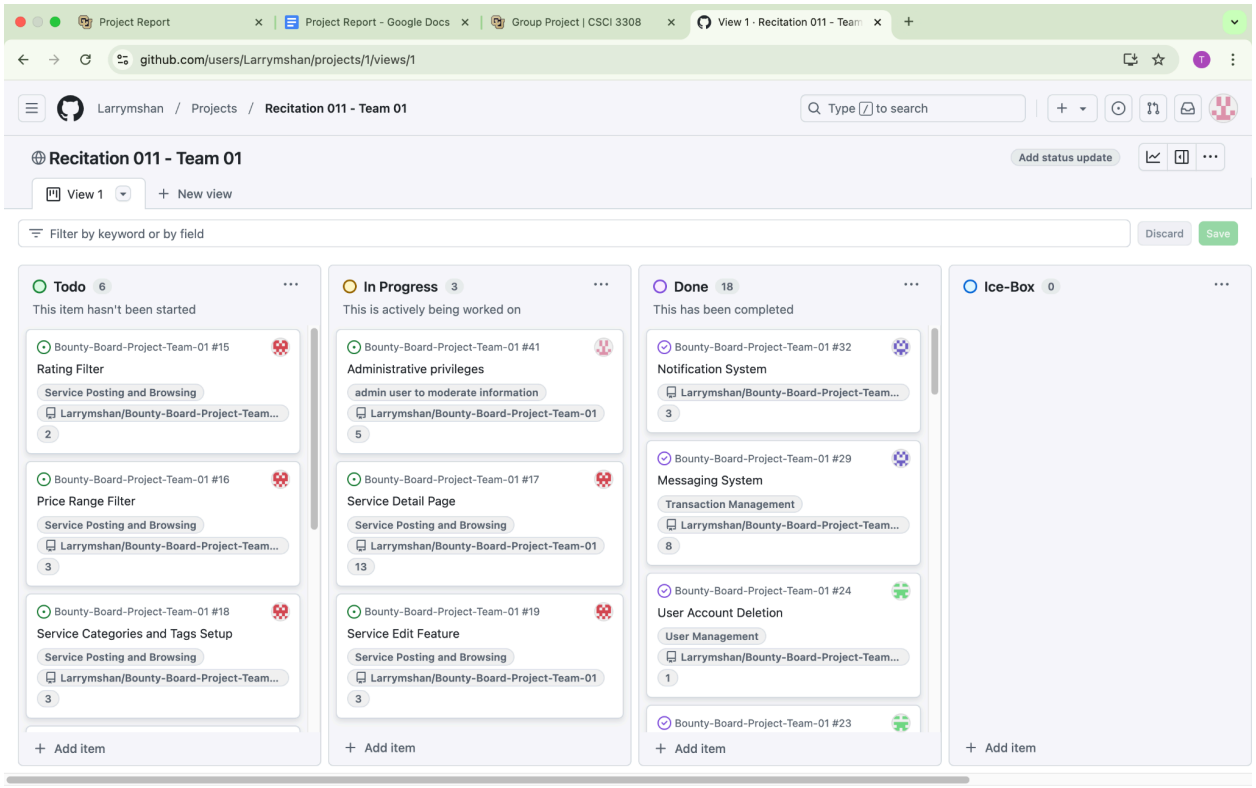
Project Description

Bounty Board is a platform that facilitates user to user requests, for the purpose of connecting those with a job that needs doing to someone willing to do that job. Like in the old days, bounties are displayed on a Bounty Board with a set task to be done, and a reward to be claimed. These tasks can be (nearly) anything, from painting a fence to buying some groceries, so long as a Bounty Board user wants something to be done, another will be willing to fulfill it for them. In order to allow a Bounty poster to vet their potential claimants, accounts are required to have personal descriptions, showing qualifications, abilities, and the like. For even more authentication, there is a messaging system on the platform, connecting users with one another, in which a bounty poster can privately verify a user's trustworthiness.

Since Bounty Board recognizes the potential risks concerning failed tasks, faulty transactions, or other forms of scamming, bounty posters must first deposit money into the Bounty Board platform, which they can then use for the purpose of paying out claimants of completed bounties. For further security, the reward money for the bounties, once the bounty is posted, is kept in a holding state, where Bounty posters are then able to either pay it out to the claimant upon a successful task completion, or be issued a refund in the scenario of a task failure.

Project Tracker

https://github.com/users/Larrymshan/projects/1



Video

BountyBoard.mp4

VCS

https://github.com/Larrymshan/Bounty-Board-Project-Team-01

Individual Sections

- Grayson Smillie CanadaDry47

I built out some of the initial frameworking such as the login verification and the navbar backend structure, later on I built out the style CSS and some of the HTML customization. I built out the navbar using Handlebars and created the email verifier using RegEX. I also helped create many of the database tables linking various areas of our website together with PostgreSQL and Javascript.

- Jacob Lehman : JacobLehman7842

I implemented the user management for our project. I was also in charge of testing using mocha and chai along with web hosting through render. I implemented the login and logout functionality and a password reset feature. I also created a profile page and a way for users to edit their profiles.
Technologies: Handlebars, Javascript, NodeJS, PostgreSQL, and HTML

- Larry Shan: Larrymshan

In this project, I worked on implementing the interpersonal communications, whether that be from bounty poster to bounty accepter, or simply user to user. This was done using various SQL queries, accessing user databases specific to individuals and dividing them into a user's received and sent messages. Additionally, I worked on notifications, alerting someone if their bounty had been completed, or if they'd received a new message.

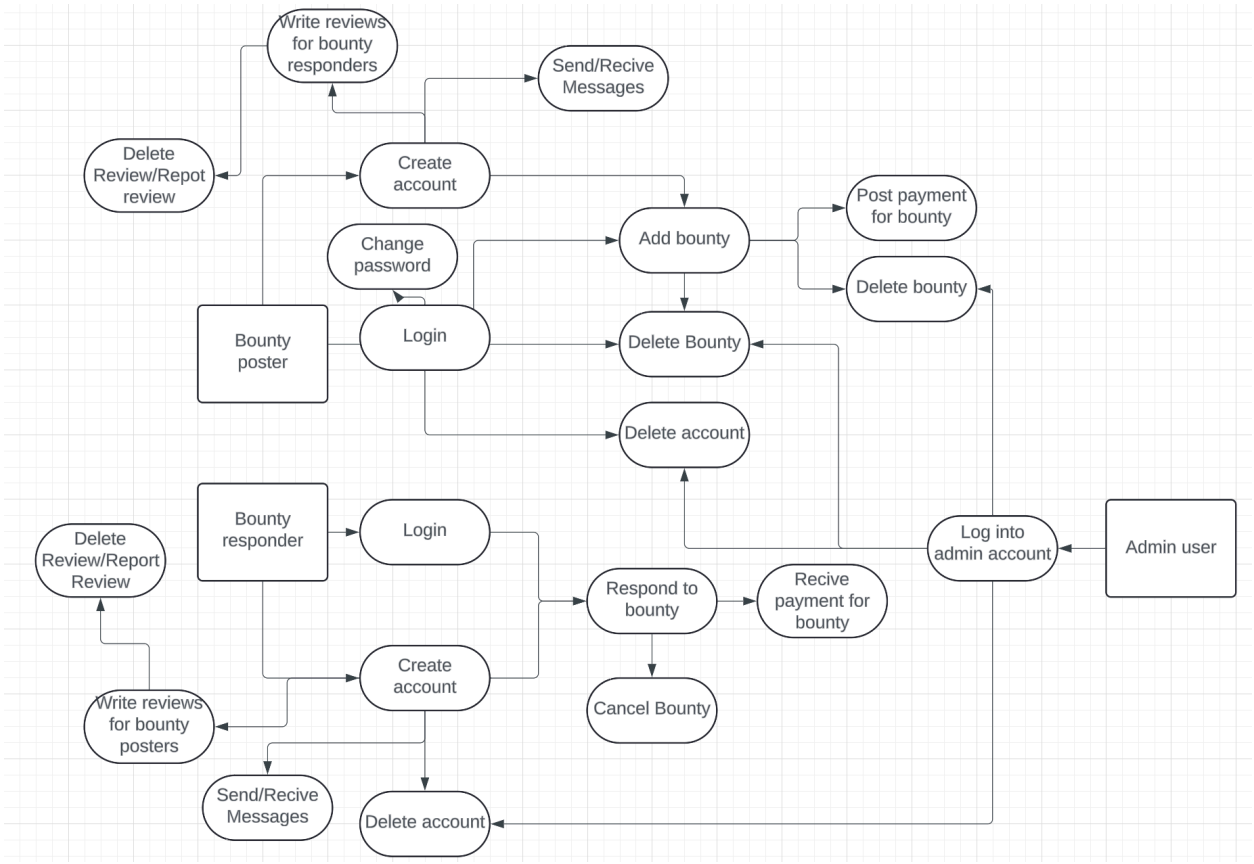
- Trevor Schmuckley: tschmuckley

For this project I worked on completing the reviews system for the website. During this process I made web pages using handlebars and bootstrap where users can post reviews for other users, report inappropriate reviews, delete reviews, and view reviews written both for them and by them. I also helped work on the bounty posting systems where users can post jobs they want done, accept jobs, delete jobs and take jobs.

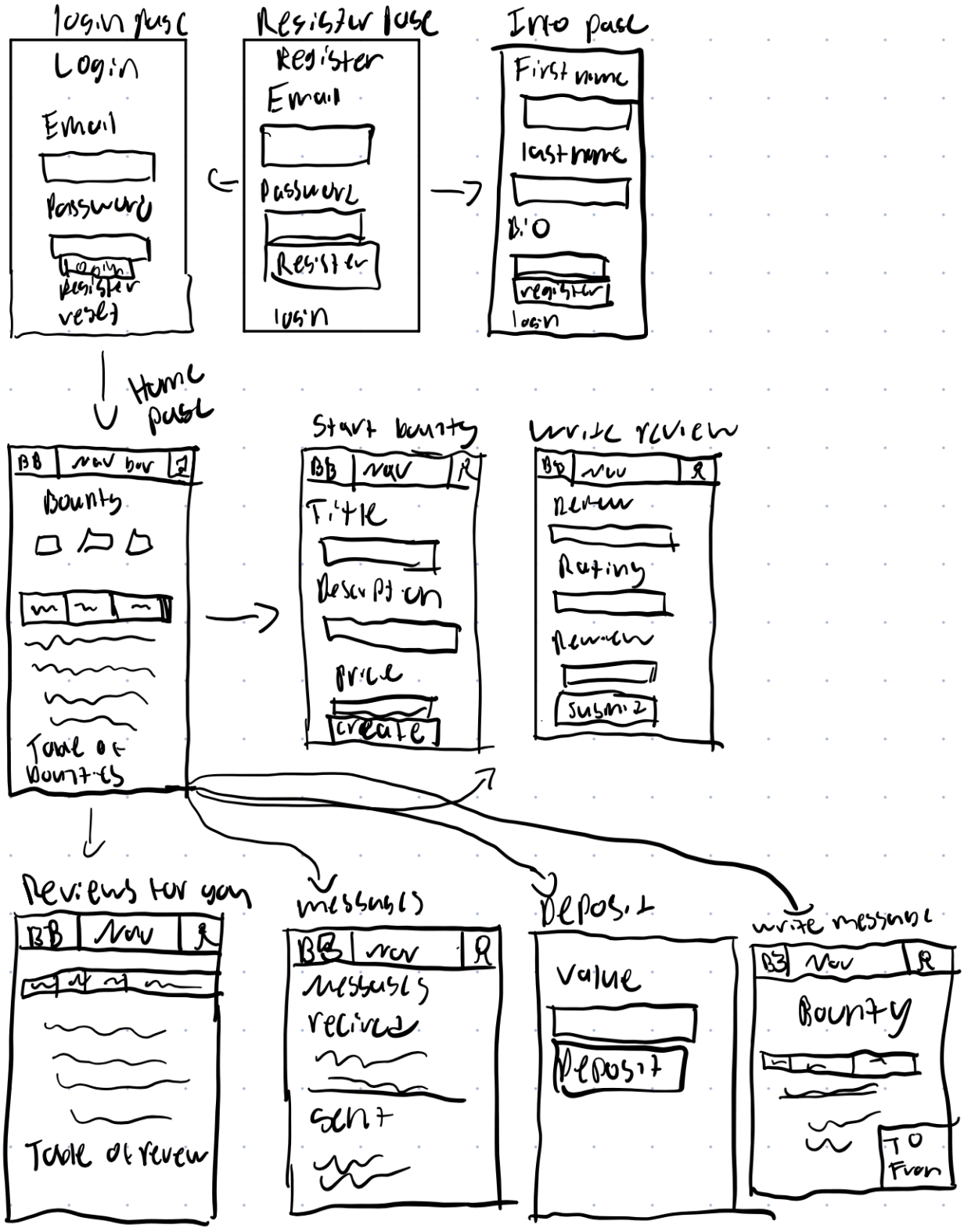
- Alessandro Cantele: alca2205

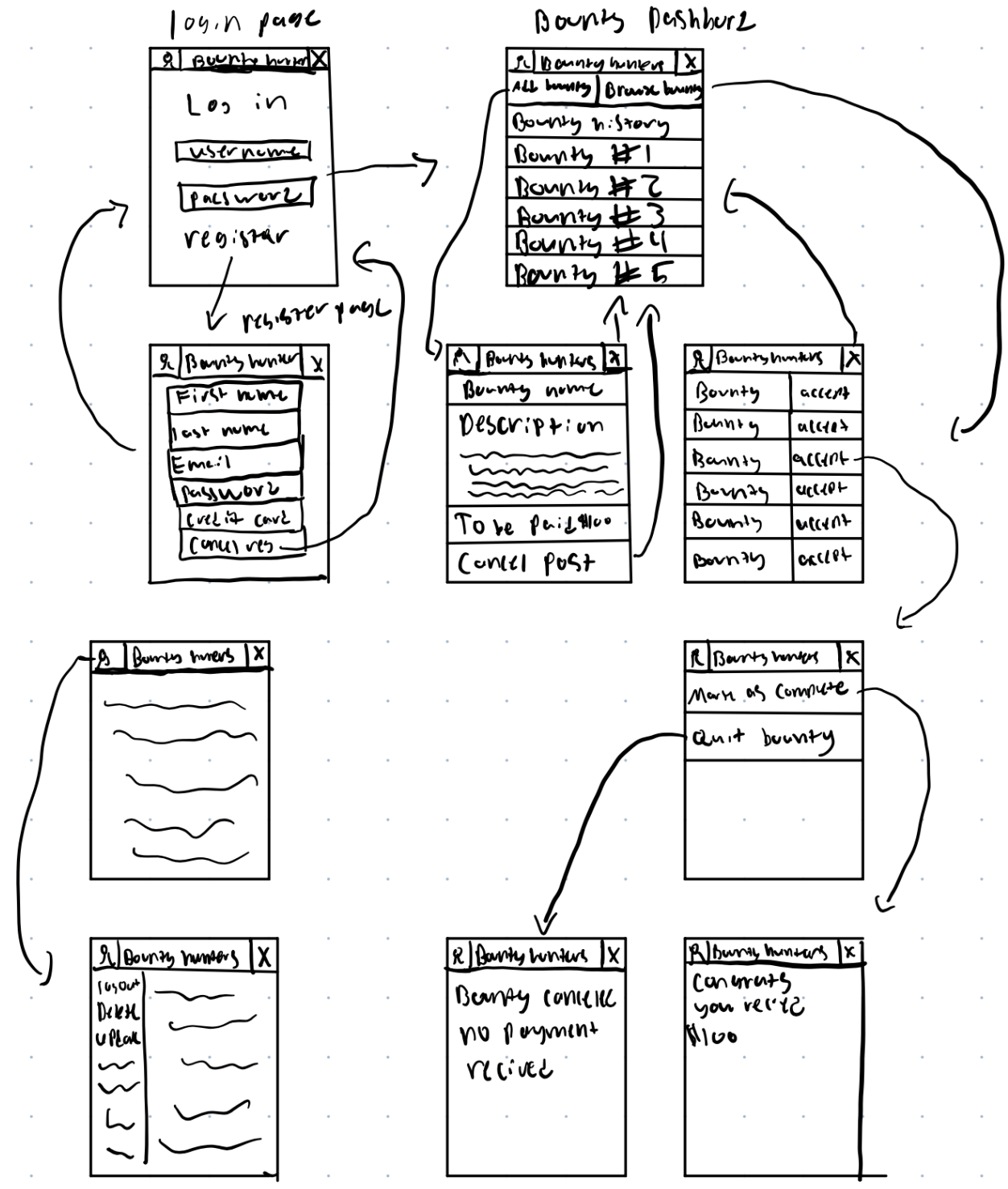
For this project, I initially worked on some of the foundational navigation structures. I set the groundworks for a lot of the ui. I did some of the early implementations of the posting bounties function. Implementing the fist versions of that. Then later on I worked on revamping the entire theme of the website and sorting out the final styling. Additionally I helped set up and delegate task division in the start by creating a cohesive overview of the project's to do's.

Use Case Diagram


Write reviews for bounty responders
Send/Recive Messages
Delete Review/Repot review
Create account
Post payment for bounty
Add bounty
Change password
Delete bounty
Bounty poster
Login
Delete Bounty
Delete account
Bounty responder
Login
Delete Review/Report Review
Log into admin account
Admin user
Respond to bounty
Recive payment for bounty
Create account
Cancel Bounty
Write reviews for bounty posters
Send/Recive Messages
Delete account

Wireframes


login page
Login
Email
Password
Register
Reset
Register page
Register
Email
Password
Register
Login
Info page
First name
Last name
Bio
register
login
Home page
BB
nav bar
Bounty
Total of Bounties
Start bounty
BB
nav
Title
Description
Price
create
Write review
BB
nav
Review
Rating
Review
Submit
Reviews for you
BB
nav
Total of review
messages
BB
nav
messages
recived
sent
Deposit
Value
Deposit
write message
BB
nav
Bounty
TO
From



Test Results

In lab 11 we tested our register route and our write a review route. We tested both positive and negative cases for these routes. In the register route we tested for the user registering correctly with a username and password that met our criteria. This test passed. Our

negative test case did not pass at first because we passed in null values to our post request and realised that the authentication for null values was happening in the html and not the javascript. This caused us to make an extra check for null values in our post request. As for writing a review, the testing for the positive and negative routes revealed that we had a variable name in our post request that was not the same as our database so we changed that and both the positive and negative test cases passed. Both these behaviors are consistent with their use cases. We decided that this method of testing with mocha and chai was not time efficient because we had more problems writing the tests than we did with our actual code.

Deployment

https://bounty-board-project-team-01.onrender.com

For this project we used render to deploy our website. Simply click the link above to start using Bounty Board. This sometimes takes a while to load. Please be patient.