CSCI 3308: Milestone 5

Team: 0x2b

Project name: Studi

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Vision:
Provide students with a readily available tool to design and streamline their own study dynamic and become more efficient with hanging out with one another to accomplish common goals.

This milestone:

We decided that the most optimal tool for us to use to conduct automated testing for our web application is a tool known as Ghost Inspector. Ghost Inspector is a web extension that can be installed as a plugin.

So using this website we can directly input user stories mimicking the real time usage of our website. For instance, if a user wants to check if their login is incorrect we can create a test case that allows that. This methodology allowed us to streamline our testing and was very easy to use.

Ghost Inspector: https://ghostinspector.com

User Acceptance Test Plans:

Our web application has many features and as beginner developers coupled with ambitious goals. So we want to cover our bases testing a wide range of areas on our website. Three features that we really wanted to examine we're login functionality, web application resizing, looking at the Google Map API functionality, and creating accounts.

The plan for testing login functionality:

So initially we are going to create an account in our database with the credentials Matthew.Lawson@colorado.edu and create a password. Then we will locally host the website on https://0.0.0.0:4000 and users.db is stored on a remote server via Heroku. Now, check if the

credentials that you inputted via create account are actually preserved and determine if a login is successful.

The other aspect to this can be testing how our application responds when an incorrect password or username is inputted. To test this automate an instance to have invalid credentials and see if the error message appears. The error message should be along the terms “Passwords don’t match’.

The plan for testing web application resizing:

For this aspect of the application functionality. We want the resize the website for tablets, phones, and laptops. We want to check how the web page responds to various sizes. To test this we will be mocking different user instances loading our website on these different devices.

The plan for testing Google Map API functionality:

So, after logging in successfully the purpose of the application is to communicate with others to organize hangouts to study with one another. To properly do that you must be able to share your location in real time to effectively create a user posting indicating where you are studying with your friends. To test this we will be stepping into buildings on campus and examining how the Google Map API responds to that via our GUI.

The plan for creating accounts:

When it comes to creating accounts it's very ideal that password creation has no issues. We wanted to check for whether our application properly warned users that accessed the website during the account creation phase that their passwords met the criteria and/or were matching passwords.

To test this we will be deploying the application via Heroku having multiple people make accounts testing for password matching.

Automated Test Cases:

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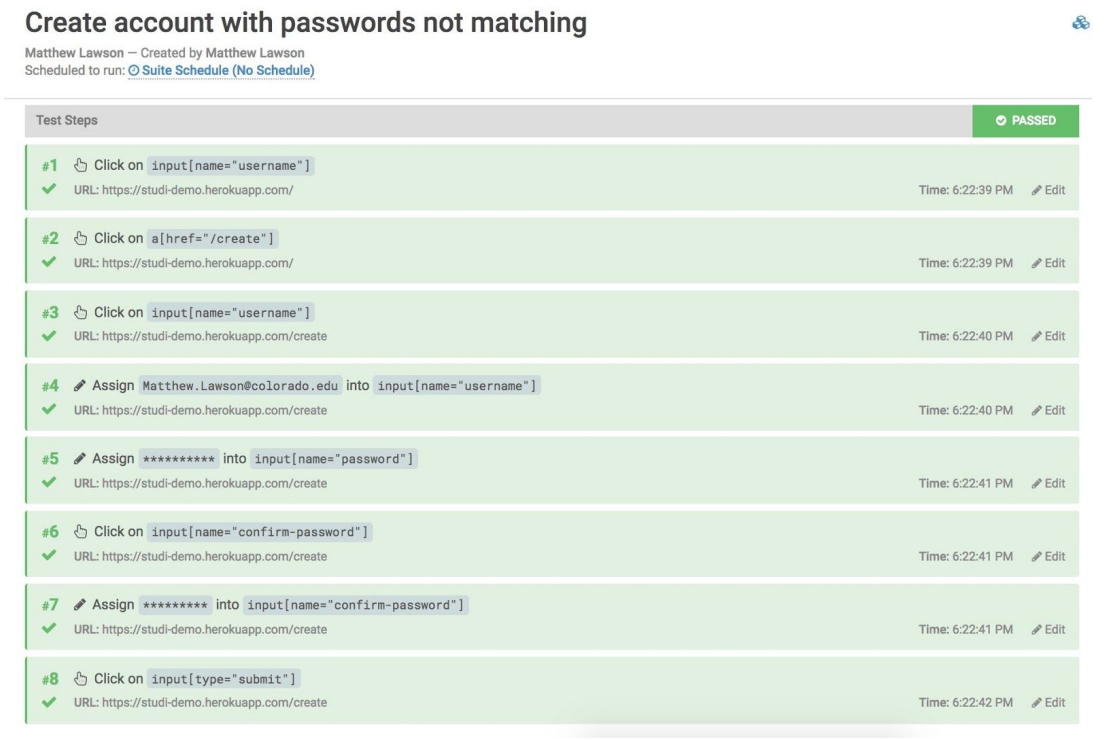

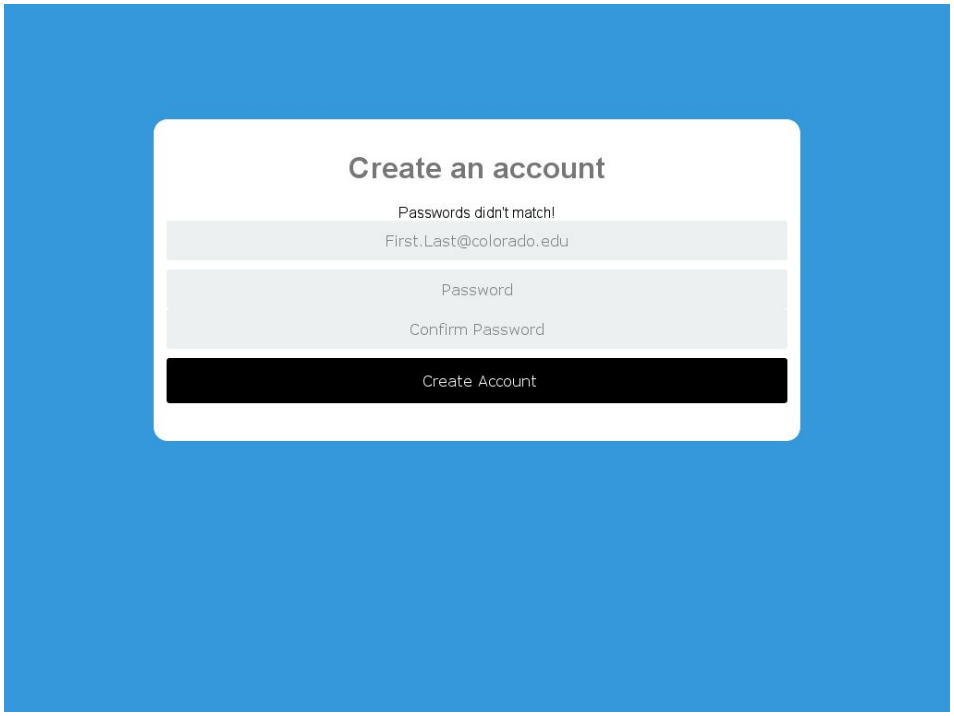

When the password and confirm password fields don’t match, a message is displayed informing the user that the passwords don’t match. This test was straight forward and aimed at testing for password matching from the server app and its ability to check the database hosted on Heroku.

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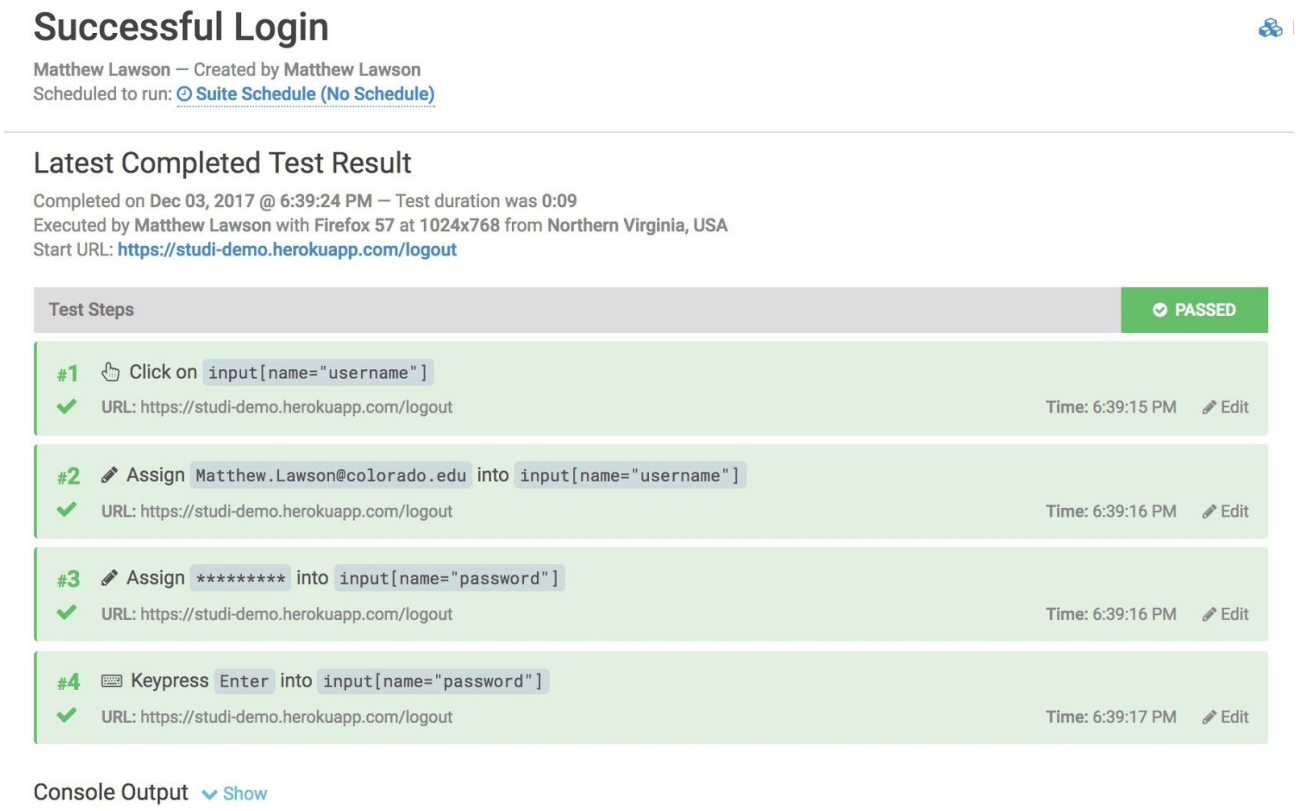

When the username and password that are entered successfully match a username, password pair that are stored in the database, the user is logged in. Once the login is complete they will be brought to the landing screen of our website.

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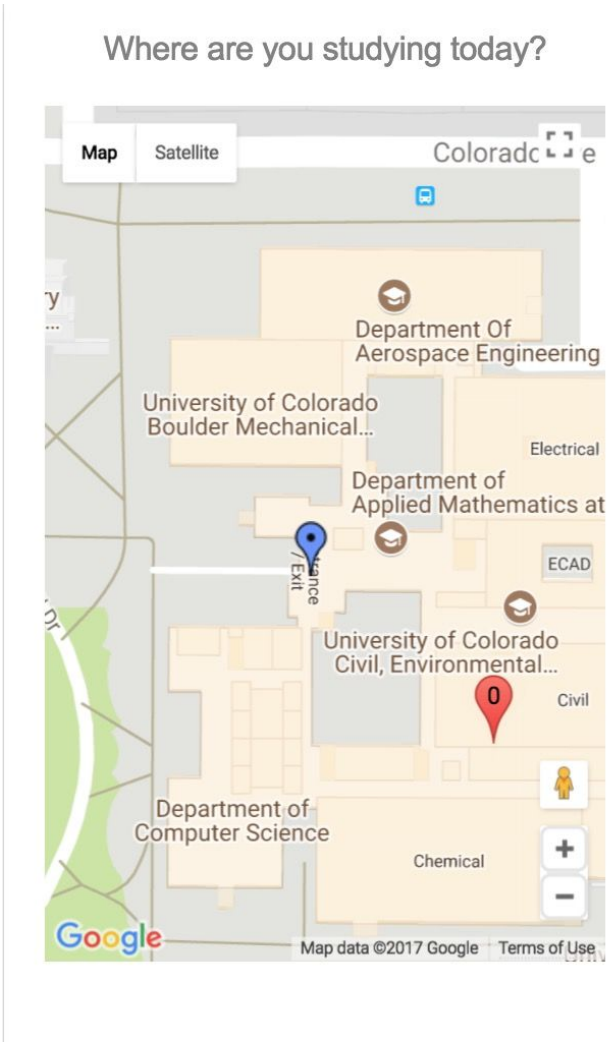

The map centers on the user's current location, and also displays a pin for each stored study post. It checks for the location in real time and will be updated accordingly.

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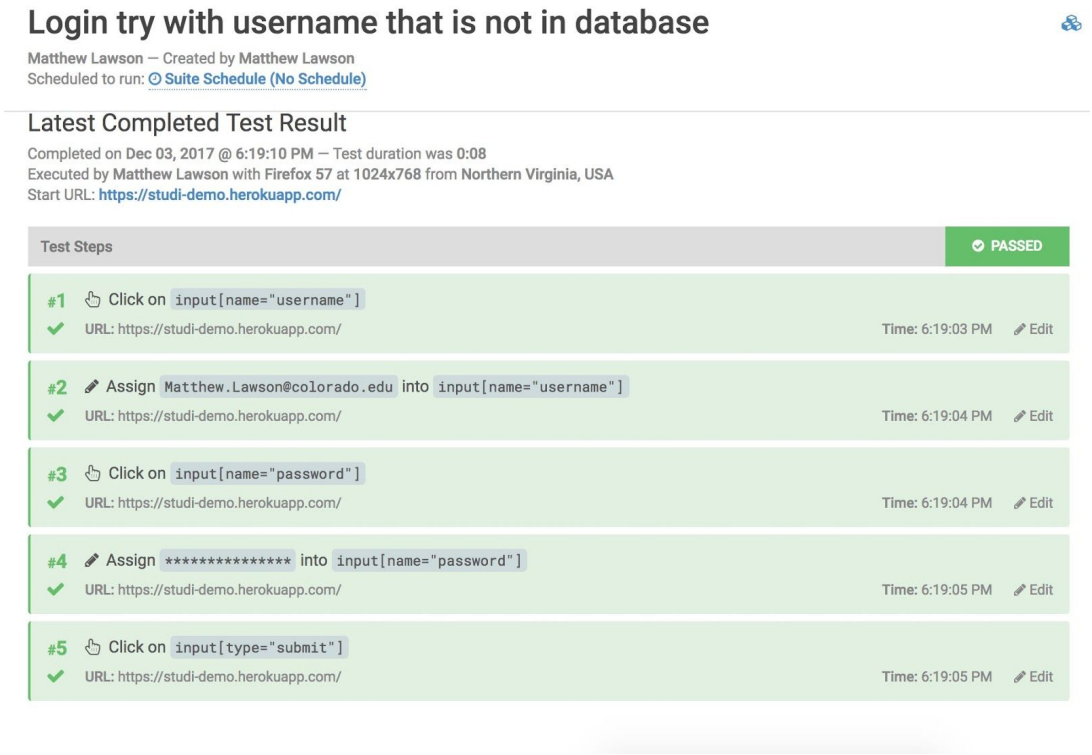

If a user tries to login with a username that is not currently stored in the database, a message is displays a message saying “username not found, would you like to create one?”

The images below replicate what the user would see if they were on a Samsung Galaxy Note 3 or an iPhone 6 Plus. We wanted to see how the website responded via resizing and orientation.

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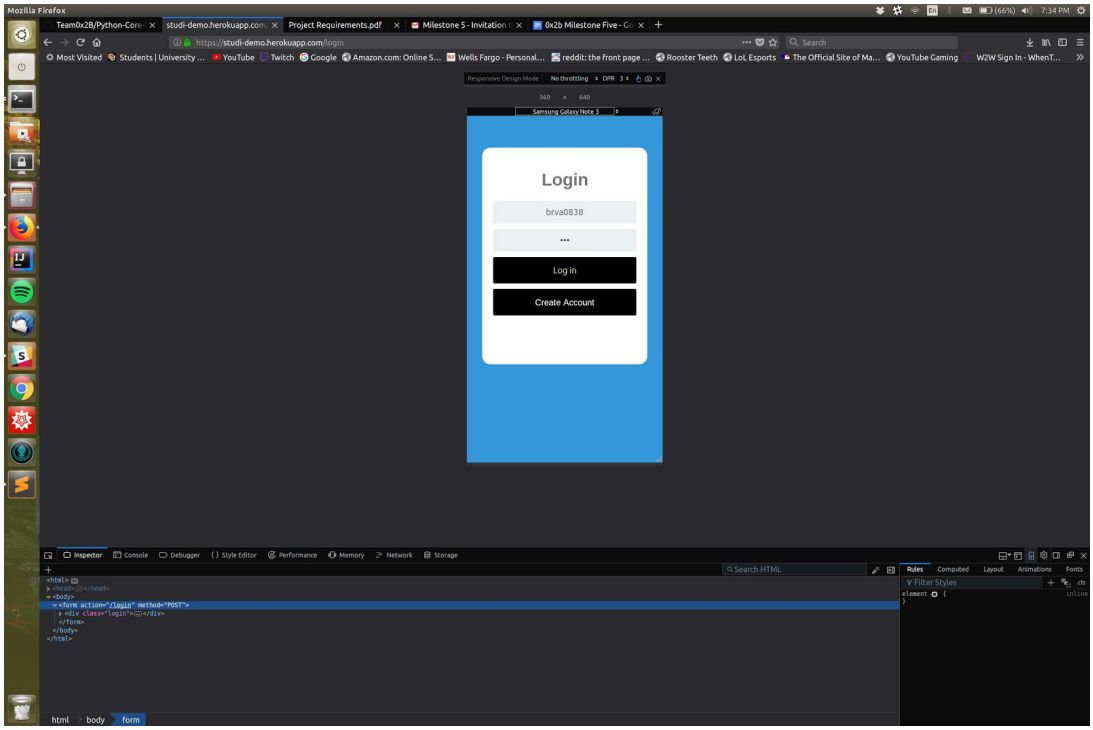

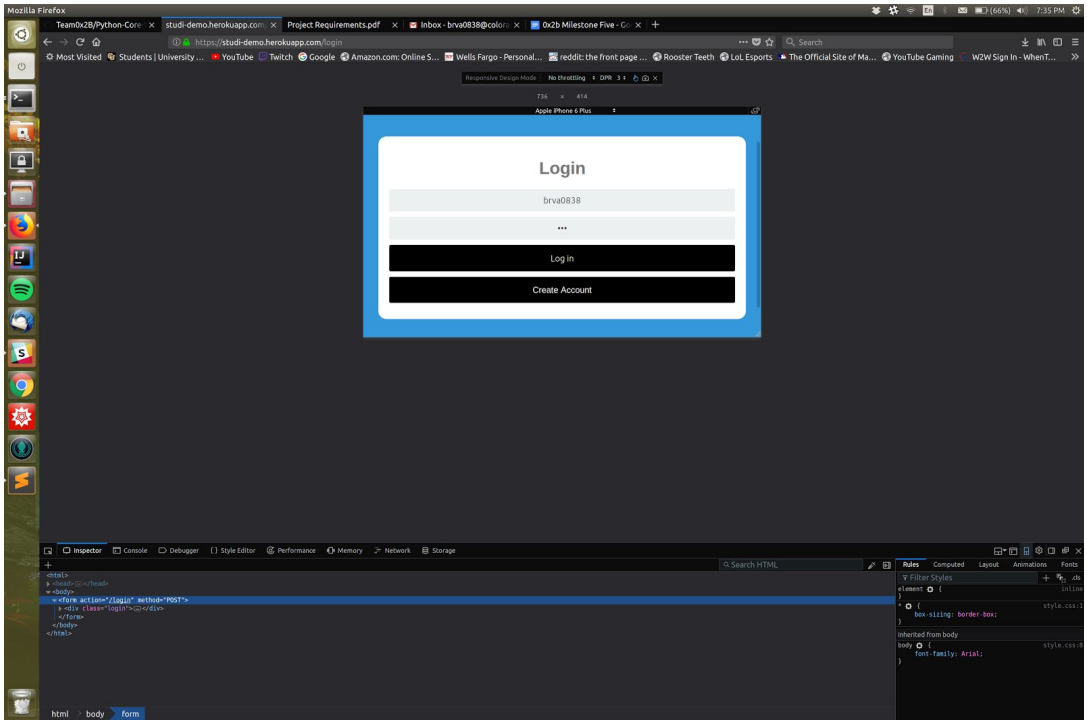

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