

## **Milestone 5**

**Team Section/Number:** Section 108-3

**Team Name:** Team Fyre

**Team Members:**

- Chandler Garthwaite
- Paramvir Singh Bhumra
- Mohamed Eisa
- Max Marfuggi
- Luke Joyce
- Harrison Ayan

**Application Name:** Study Buddy

### **Test Plans:**

#### **User Registration:**

Our user sign in feature involves the process of a user creating an account and saving their information to our database so that it can be called to and accessed once signed in. Our front end interface that the user will enter their information is HTML with embedded JavaScript. We will use the embedded JavaScript with jQuery to take the users information that they put in to register, and then send an insert query to our PostgreSQL database, where the users information will be entered into the users table so it can be referenced once signed in. To test the functionality of this feature, we will create a set of test data to enter into our app. Once we enter the test data into the registration page and click submit, we will check the users table to see if the user has indeed been entered correctly into the database. Our second test will be once the user is signed in, they need to navigate to their profile page, and have the correct name and information displayed. Our final test will be that the user needs to be able log in and out of the app and have the correct information displayed each time. If all three of these tests pass, then the user sign in feature will be deemed successful.

### **User Study Check-In:**

The functionality of a user creating a study group will require the testing of the front-end JavaScript and its interaction to the database. A user will complete a html form and the JavaScript will send an insert query to the database with the form entries. The home page map will then update with a new study location from a query request. This test will pass if the database is updated with the correct information submitted by the user in addition to the map updating with the same information. The functionality of a user creating a study group will require the testing of the front-end JavaScript and its interaction to the database. A user will complete a html form and the JavaScript will send an insert query to the database with the form entries. The home page map will then update with a new study location from a query request. This test will pass if the database is updated with the correct information submitted by the user in addition to the map updating with the same information.

### **Updating Study Location Menu:**

Each of our study locations has its own study location menu that displays a count of all the users studying there currently and what topics they are studying. These statistics are updated upon each users check-in to a location, or checking out of a location. Our front-end interface is HTML with embedded JavaScript that will display the user counts for each subject. The JavaScript will get this information by calling to our PostgreSQL database, and then displaying the updated counts each time a user is added or removed from a study location. To test the functionality of the study location feature, we will first add a pool of users to a study location all studying different subjects. We will then determine if the information shown by our location menu shows the correct amount of individuals studying the correct subjects. Then we will remove the set of users from the study location to make sure that the menu will reflect that there is nobody currently studying. The two main features of this test are the menu reflecting people getting added to the location and displaying the correct subject, and having the menu remove a subject if there is nobody currently studying that subject. If this tests passes, then our study location menus will be deemed complete.