**Team Number:** 110-1
**Team Name:** The Luminous
**Team Members:** Phalgun Taman, Gregor Tzinov, Chance Martinez, Daniel Winston,  and Ryan Jones
**Application Name:** MapCU

**Featured Product Test Methods:**
- Accurate Navigation: In the database, we plan to increase the accuracy of accurate navigation using step by step instructions from point a to point b and reversing the order of the steps (instructions) to get back from point b to point a. This will be implemented throughout the first floor and possibly the second as well. For example, the user may enter the specific place they may go to in order to attain the location.
- Signup/Login: The database for the application must successfully determine which usernames along with passwords are stored within it once a user has created their account using the signup button. This is essential, as it will keep track of the people who have already taken part in the signup process, and separate them from those who have yet to do so. The user activity involved for this simply includes them to enter their first name, last name, along with the requirements for the password. This will be tested through alerting the user if they entered the incorrect requirements for the password (for signup). In order to access the navigation information, it is essential for the user to login, as they will not be able to access it without successfully logging in. Once the login is successfully executed, the user's name will be displayed at the top right corner of the page, in order to depict the current account they are using. Along with this, there would also be a button to enable users to logout. The login page will be implemented via javascript and HTML.
- Login Failure: If the login entered by the user is incorrect, meaning it has not been stored in the database which further indicates that the user has not taken part in the signup process, then there would be an alert given to the user, redirecting him to the signup link, in order to create an account, which can then later be used to login to the application. This will be implemented via checking on each user input whether or not the user name and password are matching to that of one that is already existing inside the database.