Team Number: Section 101 - Team 4

Team Name: International Justice League of Super Acquaintances (IJLSA)

Team Members: Taylor Ellis, Sam Fitzsimmons, Alyvia Hildebrand, Jason Hong, Steven McDonald, Robert Tennant

Application Name: EC Map

Application Description: The EC Map application is a comprehensive database to replace CU Boulder's difficult-to-navigate campus map website, specifically for the Engineering Center. We have all found that the first day of class in a new semester is unnecessarily stressful, as trying to find an unfamiliar classroom can be quite the challenge. CU Boulder's Campus Map website, though helpful for finding buildings, has its shortcomings when trying to navigate to the classrooms within the building. We aim to take comprehensive floor plans of the Engineering Center, construct a database that holds room numbers and general directions to the specific room, and create a web interface for users to search for their classes. Using SQL for the backend and Javascript for the frontend, we hope our application will help Engineering students of all different majors reach their classroom destinations with ease.

Vision Statement: No CU Engineering student should spend their first day of classes navigating the hallways. We aim to create a concise, accurate, and efficient database of step-by-step directions to each classroom in the Engineering Center.

Version Control: [Meeting Logs](), [Milestones](), [Code]()

Development Method: We intend to use the Agile Development Method so that we are iterating over our development process, allowing us to more readily adapt our project as we encounter new issues. We think that our project lends itself to this method, as it will allow us to implement more features over time. For example, our first deliverable iteration could have all class rooms on the 1st floor, then further iterations could include all other floors. We could also add step-by-step directions, an API for Maps/GPS features, and other items.

Communication Plan: Our group will communicate primarily using Slack while not in our weekly meetings, which will take place on Tuesdays at 6pm in the Engineering Center or the Integrated Teaching and Learning Lab (ITLL). At these meetings we will divide up the work that needs to be done by our next meeting, and ensure that everyone is clear on their tasks. At the start of every meeting, we will check in with how these tasks progressed from the previous week. These meetings will resemble the typical Stand-Up structure so that we can closely follow the Agile development method.

Proposed Architecture: SQL Database for locations, Javascript, Maps API?

Meeting Plan: Meet every Tuesday at 6PM in the ITLL study rooms, Slack for intermediate communication.