

Project Milestone 1

Group Number: 014-7

Team Name: The Underscores

Team Members: Forrest Lazzara, Camden Billingsley, Elizabeth Shan, Blake Larson, Kai Dewey

Application Name: The CU App

Application Description:

This application will have many features that students at CU can use to improve their lives. The main feature will be a schedule planner which will allow students to add their classes, clubs, tests, homework, and other activities to their personal schedule. They can also link their calendar to their phone so they can get updates about important events coming up.

The application's schedule feature will include reminders of to-do's, ability to add tasks to the calendar, and campus event updates. The application will also allow users to create accounts so they access their personal schedule. Users will also be able to prequeue which times they want to use the rec center and the app will sign them up automatically when the time slots are opened up.

The application will also have map features which will show where their classes are and detailed maps of the buildings around campus. Users can also create private or public events that other users can see.

Vision Statement:

To help CU students in day-to-day life functions on and around campus.

For CU students

Who need a planner

The CU App is a daily planning companion

that provides important utilities for students to plan their day/week/semester

Unlike resources currently provided to students by CU, the CU App will be an all-in-one stop to both plan one's schedule and navigate around campus.

Version Control:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section014_7

Development method:

agile/scrum

Board: <https://csci-3308-spring21-014-7.atlassian.net/jira/software/projects/TUS/boards/1>

Communication Plan: Throughout this project, our main source of collaboration will most likely be the weekly meetings on Tuesdays. We also have a GroupMe for communication outside of scheduled meetings.

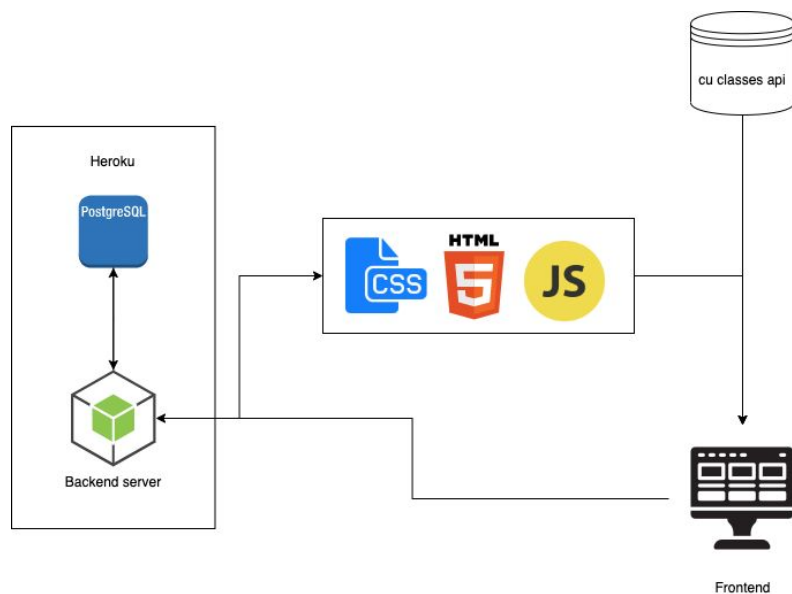
Meeting Plan:

Our team will be meeting via Zoom every week on Tuesdays from 5 PM to 7 PM MST. We will also be meeting with our TA Shruthi Sridharan every Wednesday from 4:05 PM to 4:20 PM MST at the following link: cuboulder.zoom.us/j/92059813540. If needed, we can decide as a group to meet at other times during the week.

Proposed architecture plan:

Postgresql will be used as the database. The cu class api will be used for getting class information. The backend server will use nodejs and be hosted on heroku. The frontend will be written in html, javascript, and css.

Architecture Diagram:



Use case diagrams:

3 actors and 15 use cases

New User:

Register for a new account

Login (User data is all saved)

User planning classes:

Next semester class review

View details about classes

User can create lists of classes so they can be compared
Upload required classes to generate suggestions

User for schedule:

See schedule for the day (classes, rec center, etc.)

See recommended campus events

User create their own event lists

Notifications for events

Assignment lists

User for map:

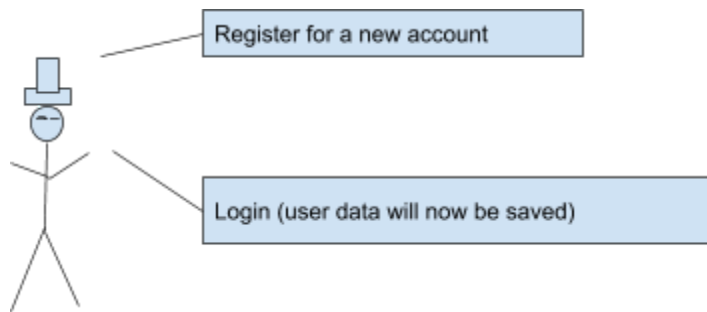
Directions to locations on map

Interior map of some buildings

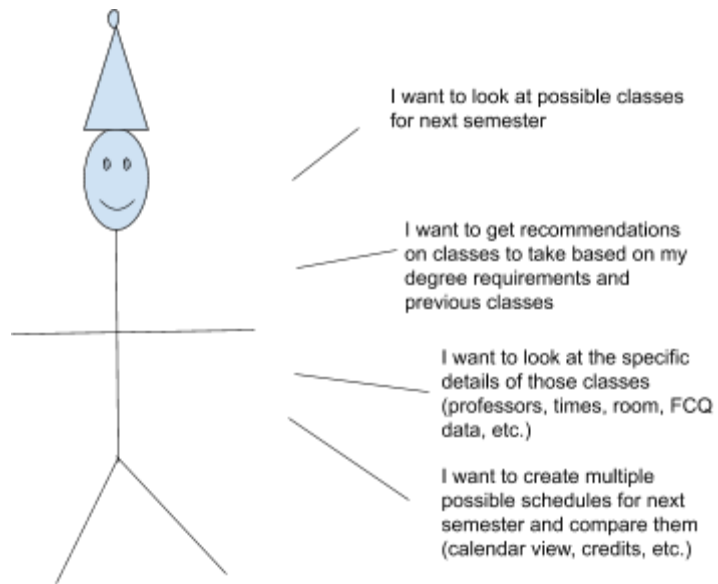
Location of facilities like bathroom or food

Find the location of classes

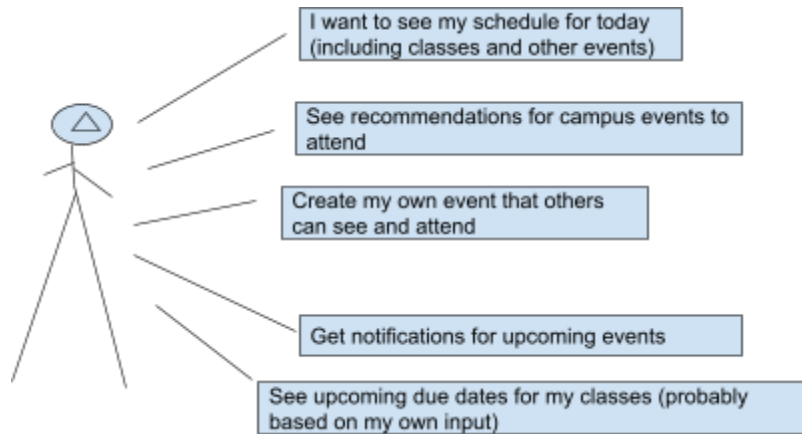
New User:



Future classes planner:



Class schedule



Map

