Project ideas are listed in descending order of preference.

Project Idea 1 - Course Planner

Course Planner is a web app that will enable students to plan out the courses they will have to take throughout their 4-6 years in the University of Calgary. For the purpose of this project, we will define our target audience to Computer Science (CPSC) students. Students can list out their major + concentration and the app will provide them a "plan/list" of which courses they will have to clear first in order to fulfill the prerequisites of higher level courses they are interested to take in the future.

Students currently have to manually comb through the course schedule to plan which courses they have to take in order to fulfill the prerequisites for higher level courses. This process is very time consuming and there is a possibility they might miss out a course or two. Having this app will make it easier for CPSC students to easily plan out their courses, which potentially prevents the problem of them having to delay taking certain courses or in the worst case scenario - delay their graduation if the course requirements are not fully met.

We intend to develop this web app using HTML5, CSS and JavaScript.

Project Idea 2 - Mechanic Bidding

Imagine taking your car to your local car dealership for a regular oil service job, only to be informed that your car's engine will require a major repair that would cost about $1800 to get done. That would be a daunting situation for any student to be in. Our intended target audience would be UofC students, who can't afford a massive outlay to fix their cars.

Our proposed solution to such a problem would be to create a web based platform (Javascript, HTML, CSS) for students to post their car diagnostics report on the platform, in order for mechanics to bid for the job. The student will then have the option to interact with each mechanic's proposal, and ultimately go with the most reasonable option.

Project Idea 3 - Friendly Assistive Scheduler

People both young and old can benefit from a structured schedule. If, however, a primary care provider is not physically present, ensuring conformity to a structured schedule can be challenging. Although there are individual sensors which can be used by a primary caregiver to

monitor the proceedings of a day, sensors are inherently reactive. When a patient can be self-accountable, a simple friendly prompt to facilitate communication with the caregiver may be preferred.

The goal of this project is therefore to create a web-app for two users: the primary caregiver and the person under care. Much of the burden of creating the schedule would be placed on the caregiver, while a friendly, minimalist interface would prompt a person under care to complete specific tasks at specific times and provide confirmation to a caregiver. This app will be designed to be located in a prominent and permanent location, while being minimally intrusive.