

CPSC 481 – Fall 2020

Team Project

Stage One

Tut04

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Team Project Ideas

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Date: October 2nd, 2020

Idea 1) COVID-19 Map

We have been living in a global pandemic for months now, it has become more important than ever to practice social distancing and hygiene guidelines when we are outside. Many stores have specific, yet different covid-19 guidelines. Also, we are often concerned about how crowded certain places can be at times. It would be helpful to know the certain store's/service's covid-19 guidelines/protocols before getting there. It would also be helpful to know if there were any covid-19 cases in the store or nearby the place you are planning on visiting. Now, here is how we plan on tackling the problem. On the mobile application, the user can search for a particular store/service that he/she is planning on visiting and will see various features such as the store's covid-19 guidelines (masks mandatory, max. 50 people, etc.), if the store had any covid-19 cases recently, if any of the stores nearby (within certain km) had any covid-19 cases, and also based on the popular times, suggestions of when the best time to go is (to avoid a crowd or waiting time). The application may also be connected to Google Maps for features such as store's hours, popular times, contact info.

Idea 2) Pantry Wizard

The problem is trying to find what you have in your pantry when you are trying to meal prep for the week or cook a dish. Not knowing what you have in your pantry and thus having to search a messy fridge is an inconvenient problem that can be avoided. This is important because many people especially big families have a large pantry to satisfy the needs of their family. This pantry can be very messy sometimes. Finding a way to order these items in a pantry in an efficient way can save a family's budget such that they only need to buy what they need based on what they don't have in their pantry. Even if the family manages to organize their pantry, it will only take time for the pantry to get messy again. We would solve this problem by developing a system that is attached to the front door of the pantry that tracks the items that enter and leave the pantry so that a person can see what they have in their pantry when they are about to cook, are in the supermarket or have an idea to cook a dish. It could also have features such as letting you know what you're running low on based on an item that is important to the user. This system would a mobile app that you can use it anywhere when you're looking to cook your next dish.

Idea 3) Progress Calendar

As a student in this current pandemic, it is getting harder to plan and keep up with the seemingly unending amount of schoolwork that is pushed into our plates. And although there is a plethora of Calendar applications on the market, I have not found one that shows my progress in a particular project or task and making it hard to visualize the amount of work there is that left to do . The application is important as it helps students to manage their daily tasks and projects and be able to visualize their progress which would help curb procrastination. This works just as an ordinary Calendar application with a feature that tracks the progress of your task by asking the user how much work they've done after a scheduled activity. Using some UI elements, the progress of each task would be easily seen in monthly view (like a progress bar for each project). In a separate view (Progress View), one would see the number of tasks and projects left to do in a chronological order along with its corresponding progress bar. An additional feature in the progress view is some statistics that show how much work there is left to do in the following days leading up to the project(this changes on the progress of the user) comparatively to other projects .There is also features that help break down a project into iterations that could be easily pinned in the calendar. This would be available in mobile and web platforms.

Here is the link to our **portfolio**: <https://gbondad.github.io/481portfolio/index.html>

Here is the link to our online **repository**: <https://github.com/isaguimet/CPSC481-TeamT>