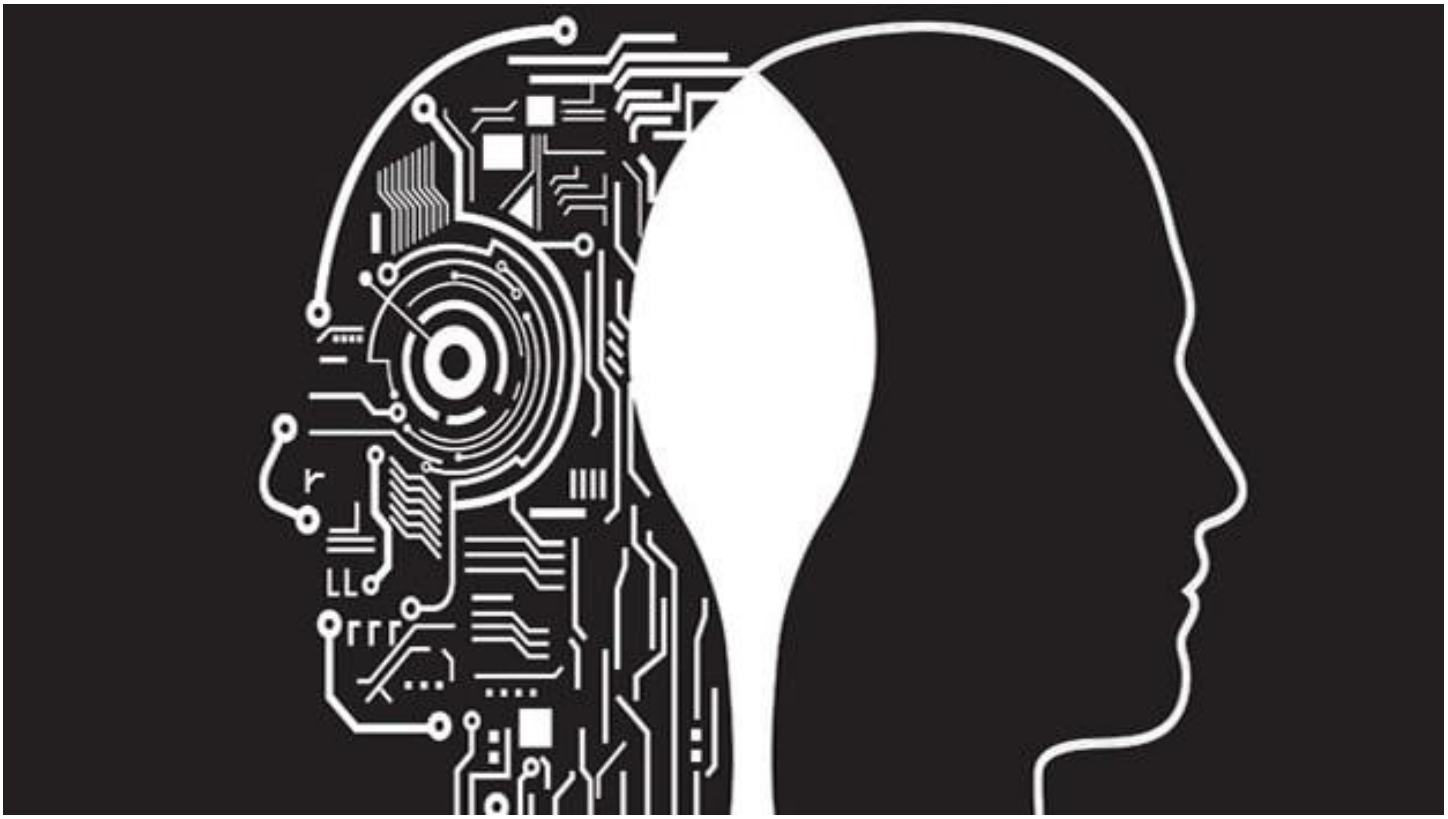


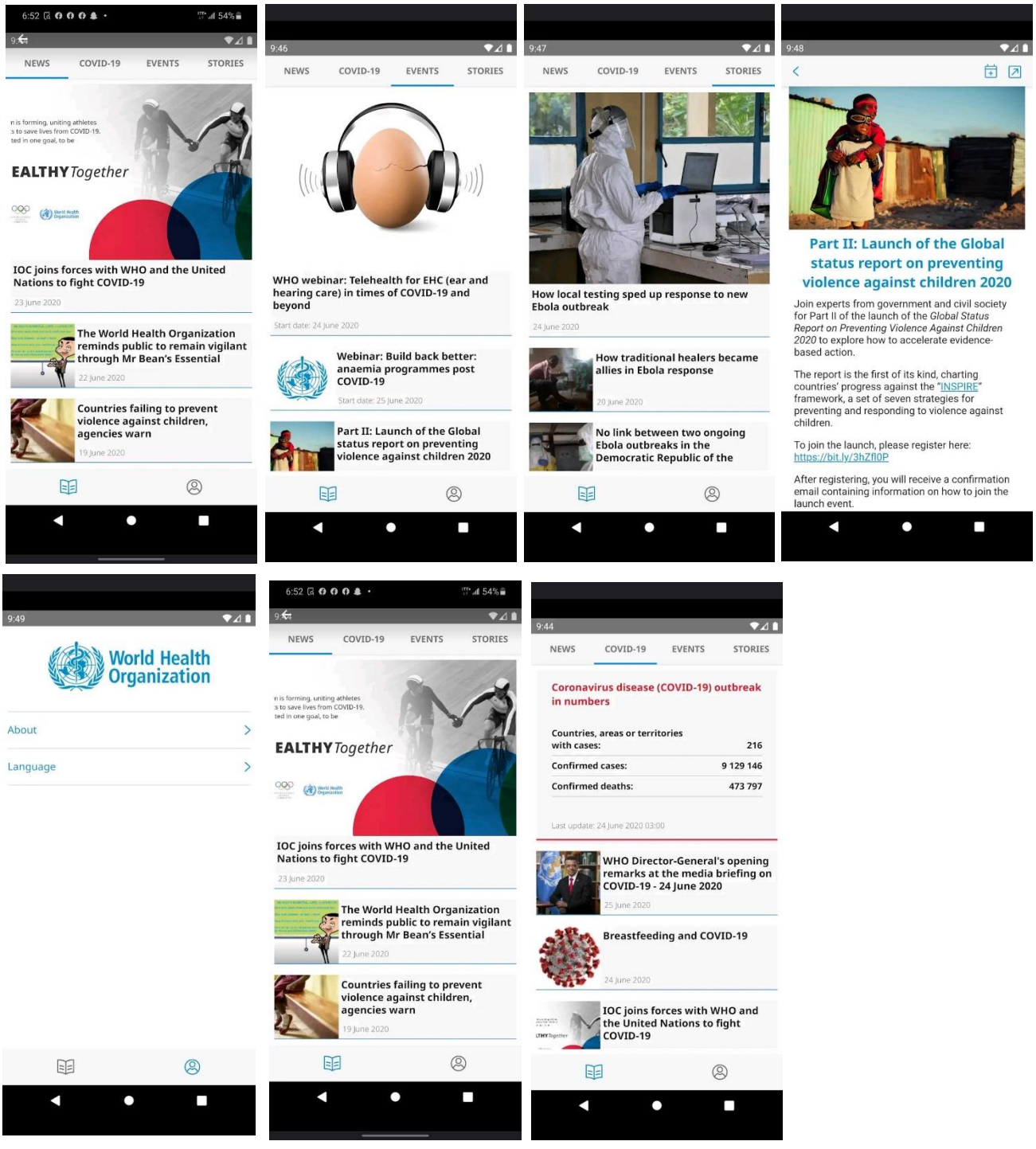
Human Computer Interaction

Assignment 2

Comparative Analysis

Mohit Mamtani 11/7/20 INFO31179

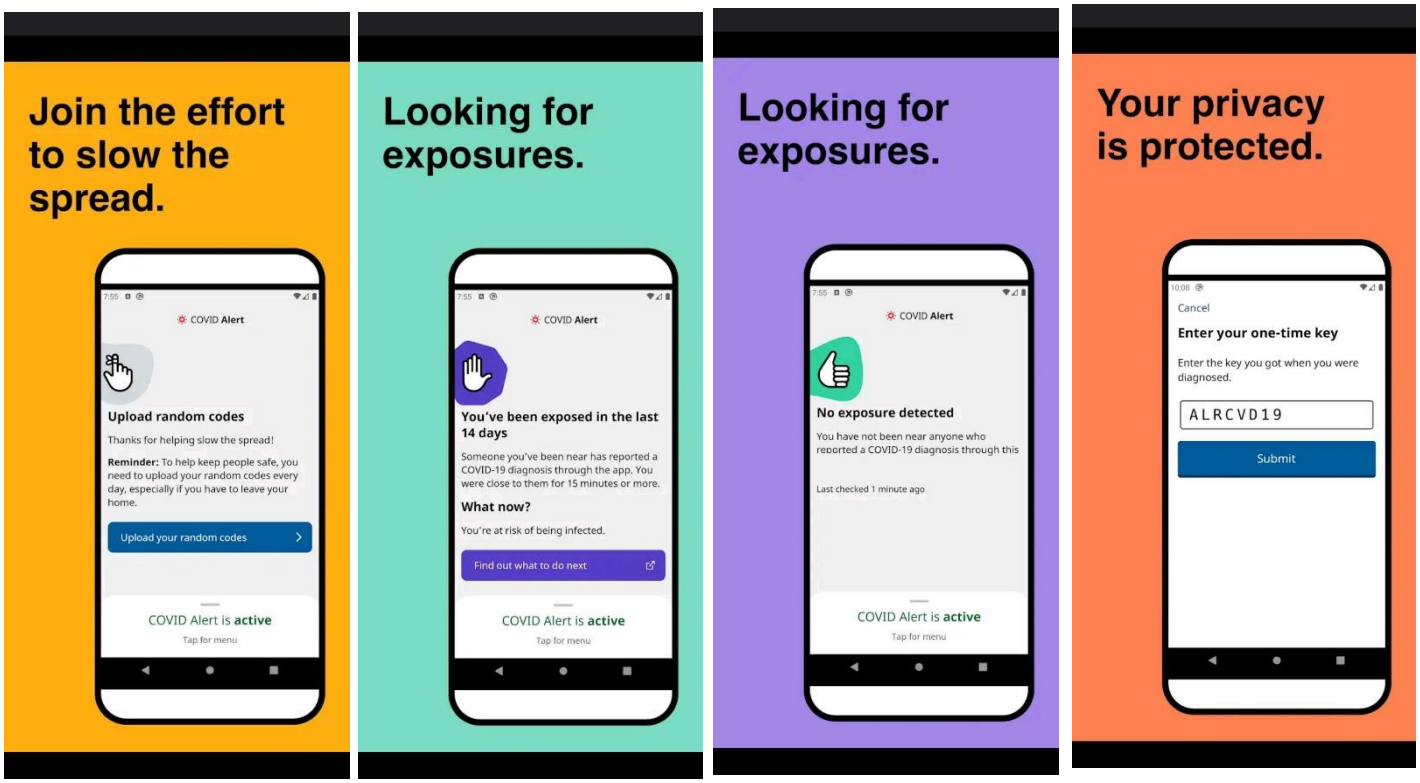
WHO Info



WHO Info is one of the applications competing against my application. World Health Organization has its application published on the app store that people can use to get the latest news on COVID, give statistics for COVID, show events and stories related to COVID-19 pandemic. Their application

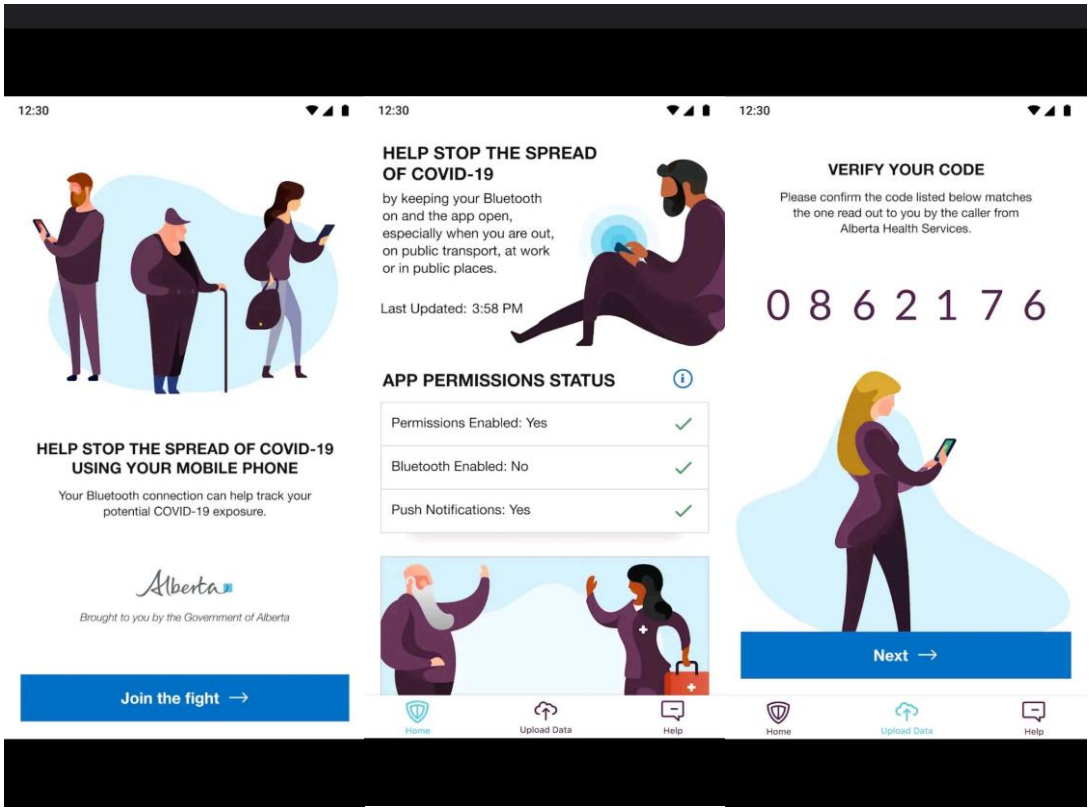
lacks the functionality that my application offers like notifications, chat, map vise statistics distribution, FAQs, call and live chats. The design of this application is pretty simple and easy to understand. My application had a bit of a complexity to it which I changed up a bit to offer better user experience. My application changes include the new navigation bar at the bottom and a cleaner overall design.

COVID Alert



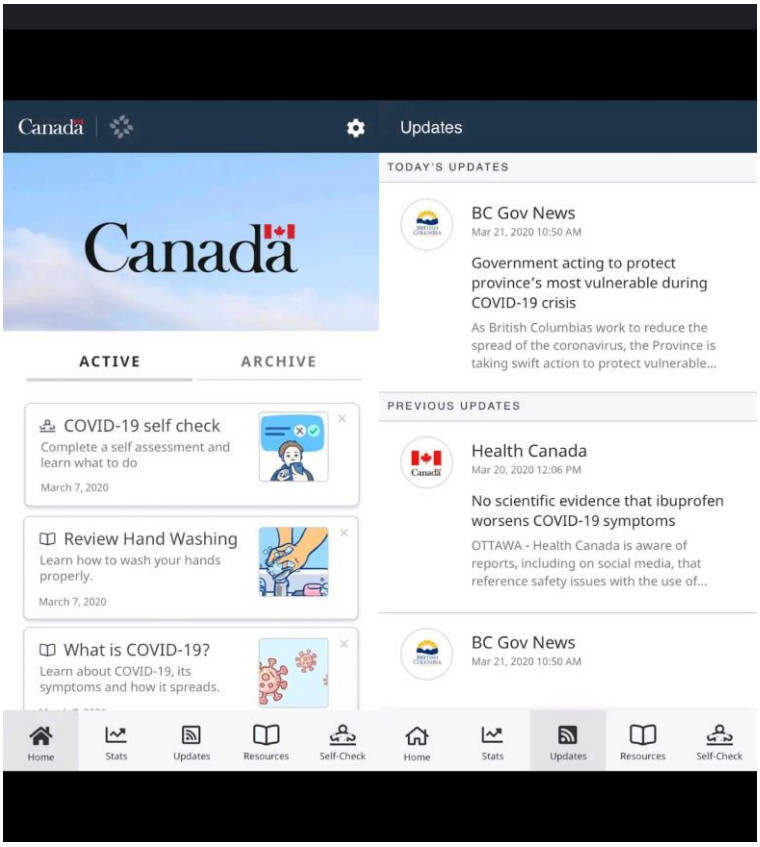
COVID Alert is one of the competitors for my application. This is the official government app but lacks in a lot of functionalities. The most critical issues with the app include inability to use GPS and only limiting the detection to Bluetooth which might not work if you are not in immediate contact with the person having COVID. My application will use GPS and will notify the users if they are in a GPS location having more COVID cases so the person can either go to another store having less or potentially no cases of COVID. Another critical issue with this app remains the government tracking all the information about you and the places you travel which is undesirable for many users. My application will not track any data and will store the information and critical data on device. It implements PIN functionality which makes this app less human friendly and more complex. Many people have reported this issue on this application and because of it, a third of the downloads left one star on the application. This app color usage was much appealing to me, so I took some aspects of it and implemented in my app.

ABTraceTogether



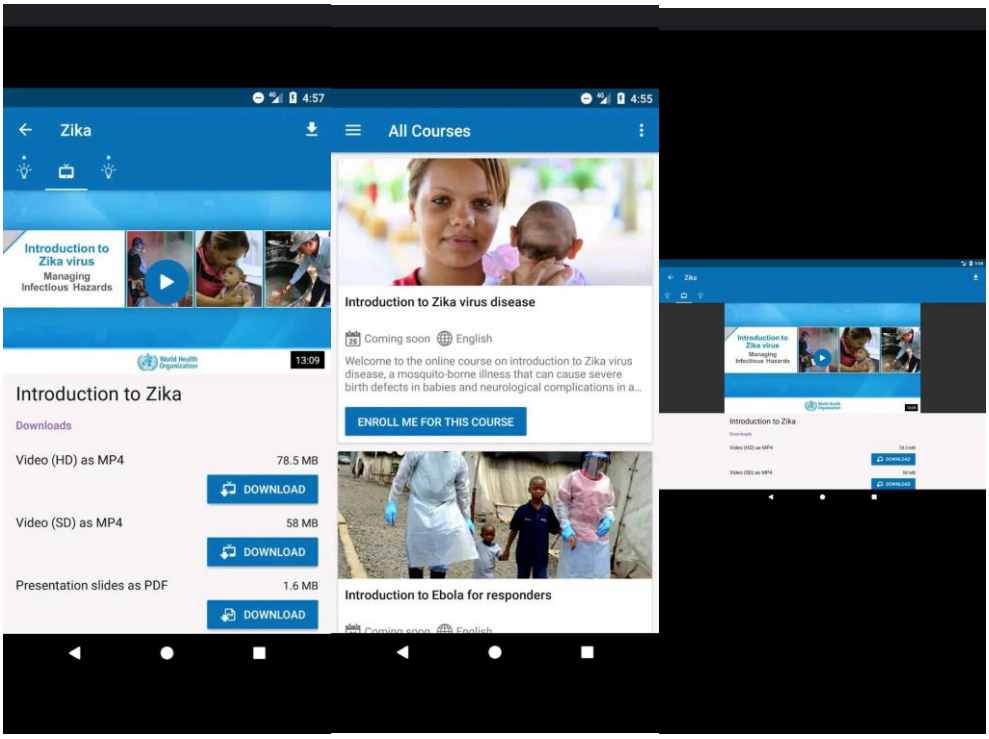
ABTraceTogether is another COVID app that is official COVID tracking app in Alberta. This app is very negatively reviewed on the app store because the Bluetooth connectivity not working properly and bad overall design. The app is very difficult to navigate because there is no navigation controls on the screen. The only navigation components are home, upload data and help which makes this app really complex explaining the bad revies it got on the app store. I did like the pictures they used to complement their headings. The pictures help user understand what this option might do helping users understand the categories in the first look. I used more relevant images to make the understanding of the app easier for users.

Canada COVID-19



This application is the closest app to my application, but I find my application to have a better design with more clip arts that explain the different categories in the application. This application lacks in some functionalities like user profile, calling and chatting features, and map to show the statistics. One of the major design flaws include not updating the information regularly, no exit strategy which makes exiting the app difficult for the users, improper use of intents to send the data between pages and it doesn't track or give notifications for COVID contact. I already had a design better than this application, so I didn't include any of the features or functionality from this application.

OpenWHO: Knowledge for Health Emergencies

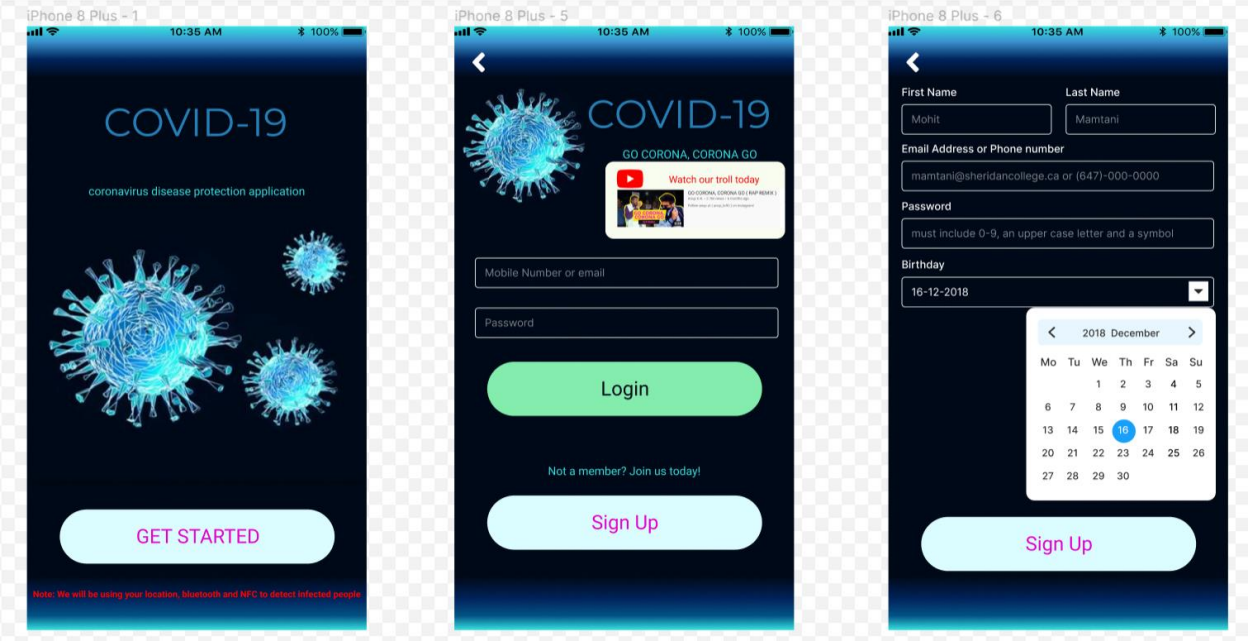


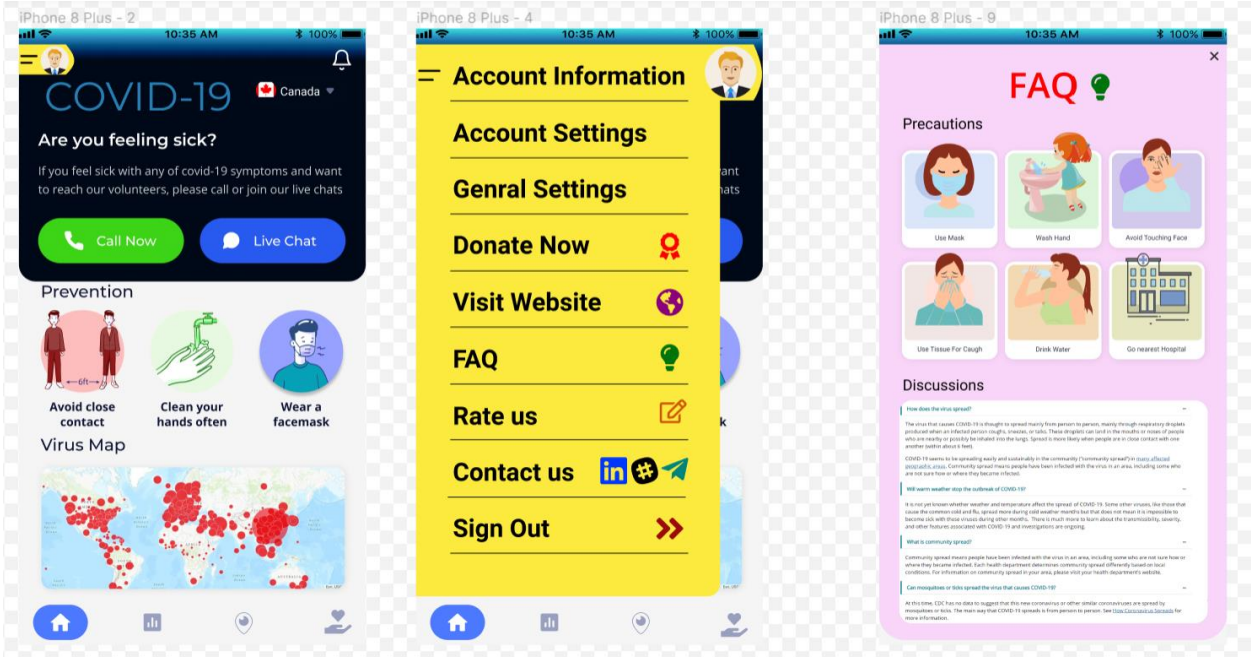
This application focuses on providing life saving knowledge for frontline responders in health emergencies. This app focuses on providing the courses to help responders get trained and provide them with ability to view the courses offline. This app doesn't deal with COVID specifically but has some content to educate people on how to respond to such infections. This app lacks in almost all the features that my application has but gave me a idea of including videos that give more information on the topic in hand.

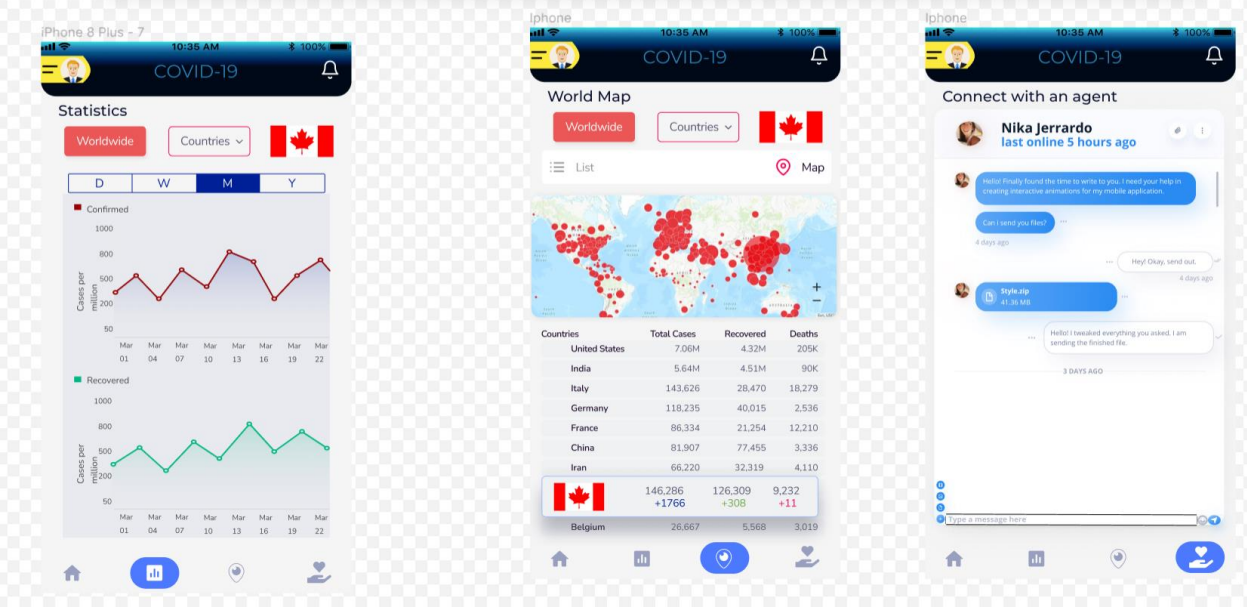
Competitor analysis

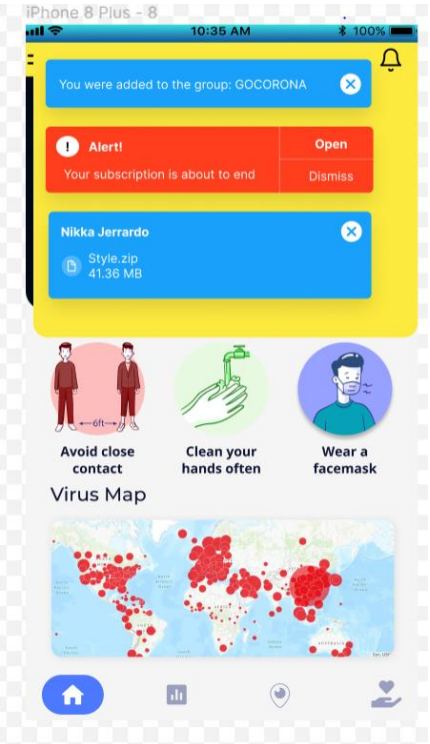
Rating category	WHO Info	COVID Alert	ABTraceTogether	Canada COVID-19	Open WHO	MyCovidHelper (my application)
Performance	9/10	9.5/10	7/10	10/10	6/10	10/10
UX Design	8/10	9.5/10	6/10	9/10	5/10	9/10
Workflow	9/10	9/10	3/10	8/10	10/10	9/10
Use of images	6/10	7.5/10	9/10	8/10	3/10	10/10
Features	✓	✓	✓	✓	✓	✓
Live Chat and calls						✓
Support page						✓
Donations						✓
Statistics	✓	✓	✓	✓		✓
Map		✓				✓
Website integration						✓
Calendar						✓
Video integration		✓			✓	✓
Proper workflow			✓		✓	✓
Send files on chat						✓
Account management		✓				✓

My Application – MyCovidHelper









Changes I made: Changed the color scheme, added more informative pictures, changed the workflow of the application, changed the fonts to Sans Serif as it is better to look at and added more functionality like chats, calls and account management.

Changes I am planning: I found my app to not follow a good color scheme so I will get a few volunteers to review my app and find a better color combinations. I will learn from those feedbacks and will commit the necessary changes on my git.

Links

Figma design: https://www.figma.com/file/uY6OzhOk5EQxAjqctYSyxk/Untitled?node-id=0%3A1https://www.figma.com/file/uY6OzhOk5EQxAjqctYSyxk/Untitled?node-id=0%3A1

Github: https://github.com/mohitmamtani/COVID_APP_HCI.git

Video: https://drive.google.com/file/d/1xvfofuC0CeLc1Mcr4Ms1H2HBmxMpX0AQ/view?usp=sharing