Name: Mohammad Siddiqui Date: 02/24/2021

# Project Proposal: COVID-19 Symptoms check app

**Problem:**

Everyone has been frightened and nervous at home since the pandemic began. I read some reports that after they found out they had COVID-19; some individuals try to commit suicide. I want to say to everyone that there is no need to worry. All happens for a reason, so in order to prevent COVID-19 exposure, we should all avoid going out and maintaining social distance. There are people with certain symptoms already, but they are scared to go for tests. COVID-19 infected one of my friends and he was so afraid that she did not even go for a test and he spread the disease to every member of the family within a few days. He is nervous now and he regrets his decision not to go to the hospital. I did some research and came up with an application for self-testing.

**Hypothesis:**

This project will help individuals to self-screen themselves for Covid-19 and show the best measures not only to protect themselves, but also to protect members of their society, neighbors, and any individual in their countries.

**Goal:**

My safe aim is to prepare an app that anybody with a phone can access only install the app. There will be some questions about health conditions. If there is something urgent, the app will display the message to call 911 immediately, then show the safety measures. I am gathering some information from the Centers for Disease Control and Prevention (CDC). As we learned in this course, I intend to use Tkinter, I can use buttons to fill in forms, and many more. For this project, the only long-term aim would be to make the software user-friendly for any age demographic so that individuals do not have trouble navigating through the app, for example if someone is older and does not pick and understand the correct choice. The software should be quick enough to help them navigate through the application and access it.

**Analysis Steps:**

* Setup the needed packages
* Create a canvas to enter question
* There will be few pages to the app
* Almost every page will have different symptoms and that will be about health problems, your travel history and the individuals you have met.’
* After the questionnaire, a new page will appear with your results and will suggest your safety measures.
* The results will be including practicing social distancing, self-quarantine or whether you should urgently go see the doctor.

**Potential Roadblocks:**

If the symptoms data does not get updated, then the user input of the symptoms would not be accurate.