PROJECT REPORT

Topic: Build a GUI application to test COVID-19

Subject: INT-213

Group no.: 14

Group member's:

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Welcome to COVID-19 Tester

INTRODUCTION

What is Coronavirus ?

Coronavirus are a type of virus. There are many different kinds, and some cause disease. A newly identified coronavirus, SARS-CoV-2, has caused a worldwide pandemic of respiratory illness, called COVID-19.

Symptoms:

Fever

Cough

Runny nose

Sore throat

Shortness of breath

etc.

Precaution-:

1. Avoid outside exposure to suspected areas and infected people.

2. Wash hands with soap and water. Also, it is advisable to use an alcohol-based sanitizer (Recommended brands include- Lifebuoy: Immunity Boosting hand Sanitizer/Dettol: Original Instant Hand Sanitizer).

3. Keep your hands and fingers away from nose, eyes, and mouth. By doing so, you will eliminate the chances of the virus spreading if it is on your hands.

4. Cleaning houses and surfaces with ethanol or chlorine-based disinfectants is advised.

5. Thorough washing and cooking of meat before consuming is advised.

6. While stepping out, make sure to cover your nose and mouth with a mask.

_____Working of application _____

About Application:

We have created this GUI application by using different widget's and concepts of GUI Tkinter.
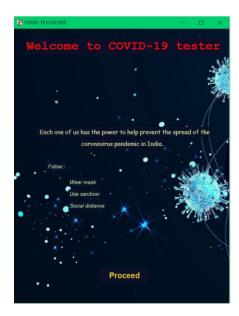
The main motive of this application is to help people to know about their health status by just giving answers of some important questions.

There are the interfaces which are involved in this GUI application-:

1. Welcome window

2. Login/Registration window

3. Login window

4. Registration window

5. Home window of application

6. Check Yourself Button

7. What to do? Button

8. COVID-19 live update

9. Helpline number's

Welcome window-:

In this window there is proceed button, on clicking on this button we will move to new window (i.e, Login/Registration window). We have used frame and placed this frame in the root window and for background image is taken in purpose. This frame is named as Frame1.

Login/Registration window-:

In this window there are two button named as CONTINUE WITH LOGIN and CONTINUE WITH REGISTRATION respectively. By clicking in login you will move to login page and by clicking in registration you will move to registration page. We have used frame and placed this frame in the root window and for background image is taken in purpose. This frame is named as Frame2.

Registration window-:

In this window there are many input's which is asked by application to user and user have to input all the input's and also in the end user have to check the check button after all input's click on SUBMIT button to register yourself.

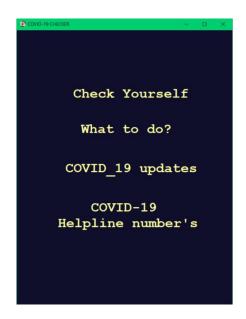There is also login button, if you are already registered then go to login button.

Login window-:

In this window it will ask about your username and password that you have created while registration time. Username- Your email, Password- your password. There is also register button if you are not register then use this button

There is follow button also and 3 different icons, Instagram, Facebook and LinkedIn on clicking to those icons you will redirect to respective page.

Home window-:

1. Check yourself-

There are many slides and each of slides contains different questions and you have to select options, according to your answer it will calculate about your health status and display in another window.
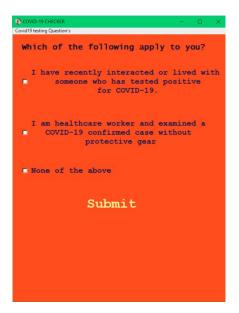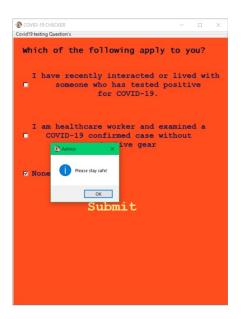
i.

ii.

iii.

iv.

There are 3 different windows to show health status-:
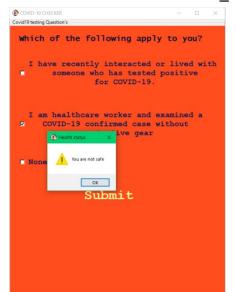
1. You are safe
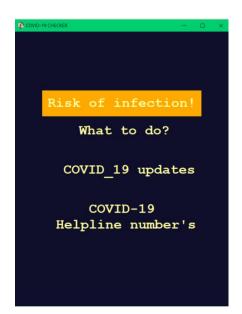2. Risk of infection!
3. High risk of infection COVID-19 chances
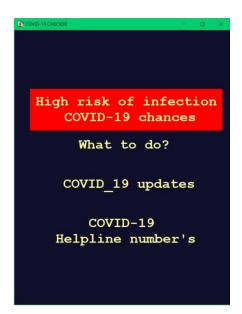
i.   Windows when you are safe-

ii.   When there is risk of COVID_19

iii.   When there is chance of COVID_19

2. What to do? -:

On pressing the WHAT TO DO? Button you will move to next page and that page includes many tips and precaution to take care in this pandemic situation.

3. COVID-19 live update -:

On pressing this button it will redirect to web page where all live update is going on.

4. Helpline number's -:

On pressing this button it will redirect to web page where emergency numbers of all the state over India is there and you can use those numbers in case of any emergency.

_____*THANKS*_____