COVID-19 OBSERVATION APPLICATION

CONCEPTUALIZATION: An application to display information about the spread of the corona virus all over the world through the use of data gotten from various W.H.O. authorized hospitals. Information will include number of infected, number of recovered patients, number of deaths, degree of infection of patients and also trends shown by patient data in relation to whether and how quickly they recover or die.

SPECIFICATIONS:

- Web based app
- Must be viewable in different languages
- Must be comprehensive
- Should have different forms of display
- Must be updated daily

DESIGN: The application will be designed based on the following algorithm

1. Start
2. Read Patientno, status, bloodtype, age, nationality
3. Create database
4. If status = infected print (patientno, bloodtype, age, nationality “is currently infected”)
5. elIf status = recovered print (patientno, bloodtype, age,

nationality “has recovered”)

6. elIf status = Dead print (patientno, bloodtype, age, nationality “has passed on”)
7. else end
8. save results to register
9. stop

IMPLEMENTATION: The app will be brought to life using languages such as Python and HTML. Visual studio can be used for the Graphical User Interface

TESTING AND DEBUGGING: Before the app is released, it will need to be tested using a series of various hypothetical patients and any necessary changes will be made

UPDATES: The application will include a feedback section for users to leave comments about what needs to be added or removed. The feedback will be sent to the developers and they will alter the program as required.

Hardware features

- Desktop, laptop and mobile phone compatible
- Touch screen and button compatible

Software features

- Available in different languages
- Comprehensive information
- Attractive design
- Graphical displays of trends
- Available on multiple Operating systems

TOP DOWN APPROACH