A WORK BY Chidi Milestone

TO DESIGN A WEB-BASED APPLICATION FOR THE COVID-19 WORLD STATISTICS

CONCEPTUATION-The COVID-19 has caused a serious pandemic across the entire world with serious impact being felt in all areas of humanity. This is to show the design of a web based application that will detect, display the rate or degree of infection of the disease, store, transmit and receive data about the pandemic.i.e A WEB-BASED APPLICATION FOR THE COVID-19 (PANDEMIC) RECORD STATISTICS.

SPECIFICATIONS—The hardware and software components in the designing of the web based application.

HARDWARE COMP.

A thermometer gun

Sterilizers, disinfectant devices, and air purifiers

Infusion pumps

Portable ultrasound.

Desktop Computers (AI).

SOFTWARE COMP.

GUI (Graphical User Interface)

User interface

User Experience

Data Based Management

Text Editors

API(Application programmable interface)

DESIGN—This how the step by step procedure taken for the designing of the covid-19 web based app. I.e designing of the Algorithm and flow chat processes.

ALGORITHM.

1-Start

2-Source of covid-19 health issues data using the API.

3-Enter user Login

4- require password

5- Enter password

 :if password=true

 -Then enter Admin page

 Else if password= false

 -Then go back to “line 5”

6-If Else “display user data”

7-Enter patients data

 ;if true

 -then open patient records

 ;if false

 Then show “no data found”

8-Enter “browse data”or “refresh”;“save; “send”.

9-print data

10-Stop.

FLOWCHART

START

STOP

Print

Enter display user data i.e

Patients names

Records, tests, etc

Enter user login

If password =true

If password =false

Enter password

Require password

API

IMPLIMENTATION

The development of the web application following the design structure will be addressed into two sections the frontend and the backend.

FrontEnd

The front end is been coded in three parts using the HTML(Hypertext Markup Language) which is the language of the web and the skeleton of every webapp, the CSS(Cascading Style Sheet) which gives the web app its beautiful looks and Javascript which helps give the app its functionality and adds interactivity. For the web application to be able to run efficiently on all browsers, the UTF-8 character encoding is been made use of.

BackEnd

The backend will be coded using Node Js. The Js stands for Javascript. Node Js is a Javascript library that helps programmers connect their sites to the database or rather servers for data storage. Here Google's FireBase has been used for Data Storage also the recently developed google map API which is used by google and many healthcare systems to provide real time information and statistics on COVID-19 around the world has been used.

MAINTENANCE

To deploy and maintain the application a domain and a hosting site are needed. These can all be done using the google cloud platform. The web based application will be registered on the internet for updates to prevent crashes and increase efficiency

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18/eng01/005

Chemical Engineering