

MINI PROJECT

(2020-21)

Build an WebApp on COVID-19 Tracker with Voice Assistant

MID-TERM REPORT



Institute of Engineering & Technology

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Department of Computer Engineering & Applications

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Abstract

The Covid-19 epidemic is spreading all over the world now. In late December 2019, a cluster of unexplained pneumonia cases has been reported in China. A few days later, the causative agent of this mysterious pneumonia was identified as a novel coronavirus. This causative virus has been temporarily named as severe acute respiratory syndrome coronavirus 2 and the relevant infected disease has been named as coronavirus disease 2019 (COVID-19) by the World Health Organization.

The purpose of this Covid-19 web tracker with voice assistant is that it helps in very effective way to understand the complexity of the situation. Therefore, in the absence of pharmaceutical interventions, the implementation of precautions, hygienic measures will be essential to control and to minimize human transmission of the virus.

Introduction

About

We are going to make a **Covid-19 Tracker System** that helps in a very effective manner for describing the present scenario of the world. It will track the daily updates including number of Confirmed Cases, number of Deaths and number of Recovered Cases over all the world.

The system remains under proper monitoring with the data of storage and its type.

It's a Real Time System that gets updated day by day.

It uses Visualizations to show the changing behavior of the Covid-19 over the period.

Pie Charts and Bar charts for showing the overall division over all the world.

User needs to Register for getting daily updates notifications.

System Analysis

System analysis is a process of collecting and interpreting facts, identifying the problems, and decomposition of the system into its components.

It is a process of studying a system in order to define its goals or purposes and to discover operations and procedures for accomplishing them most efficiently.

Role of System Analyst

The system analyst is a person who is thoroughly aware of the system and guides the system development project by giving proper directions. He is an expert having technical and interpersonal skills to carry out development tasks required at each phase.

Main Roles of System Analyst:

- Defining and understanding the requirement of user through various fact finding techniques.
- Prioritizing the requirements by obtaining user consensus.
- Maintains analysis and evaluation to arrive at appropriate system which is more user friendly.
- Draw certain specifications which are easily understood by users and programmer in precise and detailed form.
- Implement the logical design of system which must be modular.

HARDWARE REQUIREMENT

- 2GB RAM
- 20GB of HardDisk
- Processor i3(7 Gen)
- 1024 X 768 Display

SOFTWARE REQUIREMENT

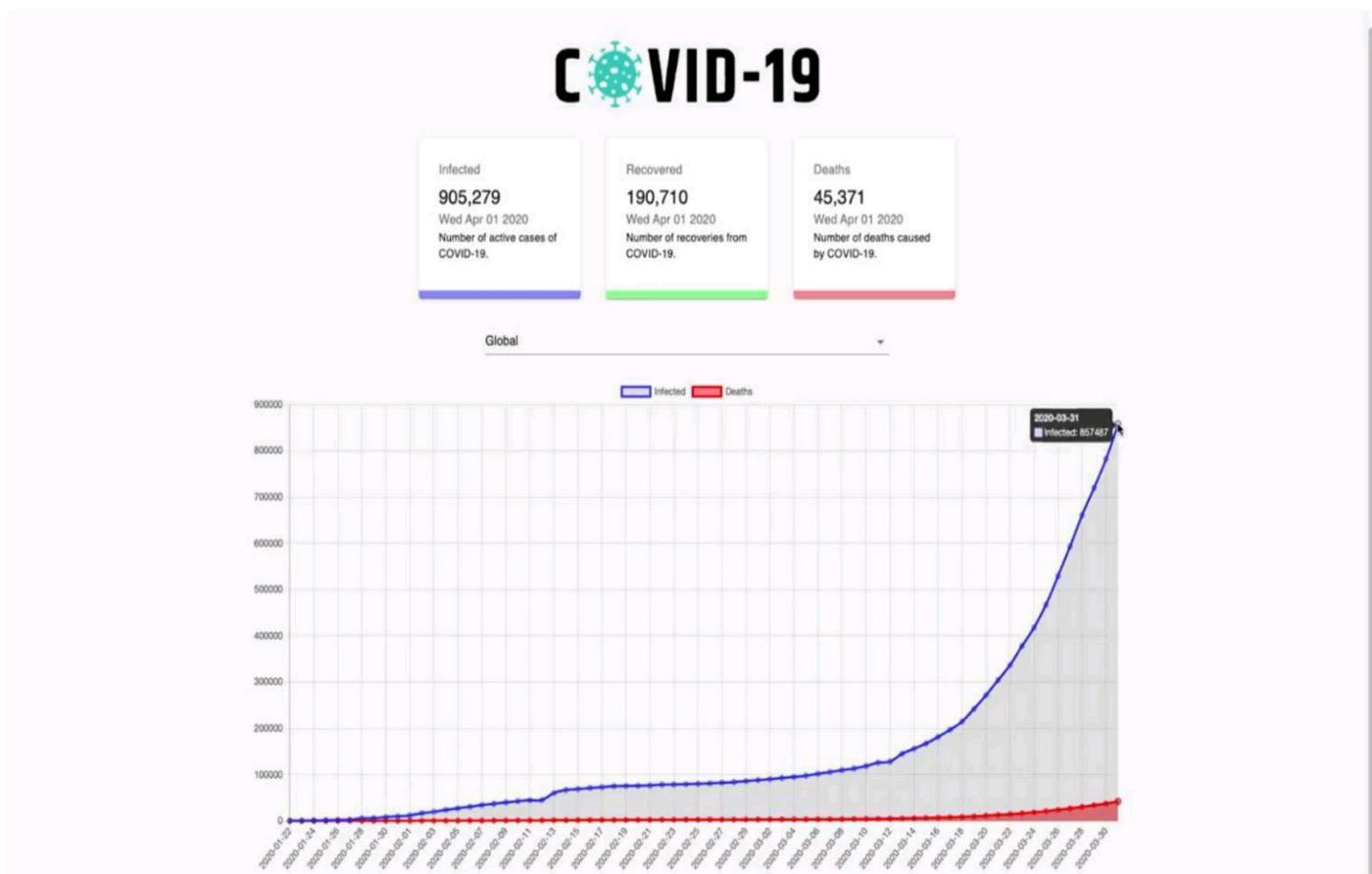
- System Software
 1. **Operating System (Windows 10, Linux)**
- Application Software
 - **Tools:** Github, PyCharm, Visual Studio Code
 - **Front-End:** HTML, CSS, JavaScript, Bootstrap
 - **Back-End:** Flask
 - **Programming Language:** Python

Objective

To Build a Covid-19 Tracker System that take record of every number of confirmed cases, number of deaths and number of Recovered cases overall the world along with the voice Assistant support, and provides user an interface to get all data and facts regarding covid-19, including graphs, pie charts, bar chats and time series for showing the changing behavior of covid-19 over the period.

Implementation

Expected Design



Statics Design

Home Statistics World Continents Countries China Russia US About Language

COVID-19 World Statistics

Affected World Population

0.28 %

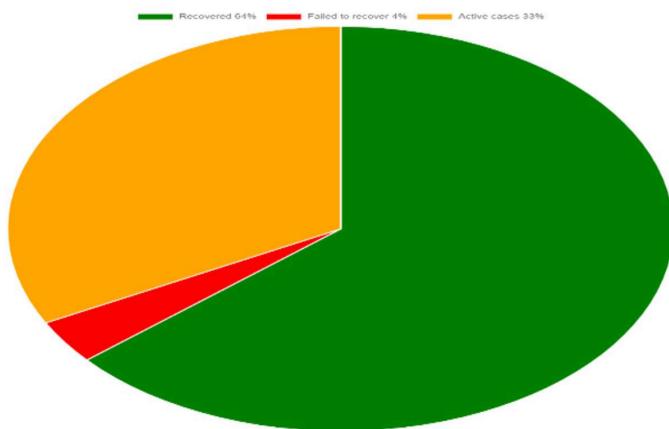
This is the part of confirmed infection cases against the total 7.8 billion of the world population.

Affected 2.84 per 1000 people

Died 0.10 per 1000 people

Recovery Pie

The whole pie reflects the total number of confirmed cases of people infected by coronavirus in the whole world.



Raw Numbers on August 18, 2020

22,137,689 confirmed
+255,126

14,116,838 recovered
+228,205

780,879 fatal
+6,877

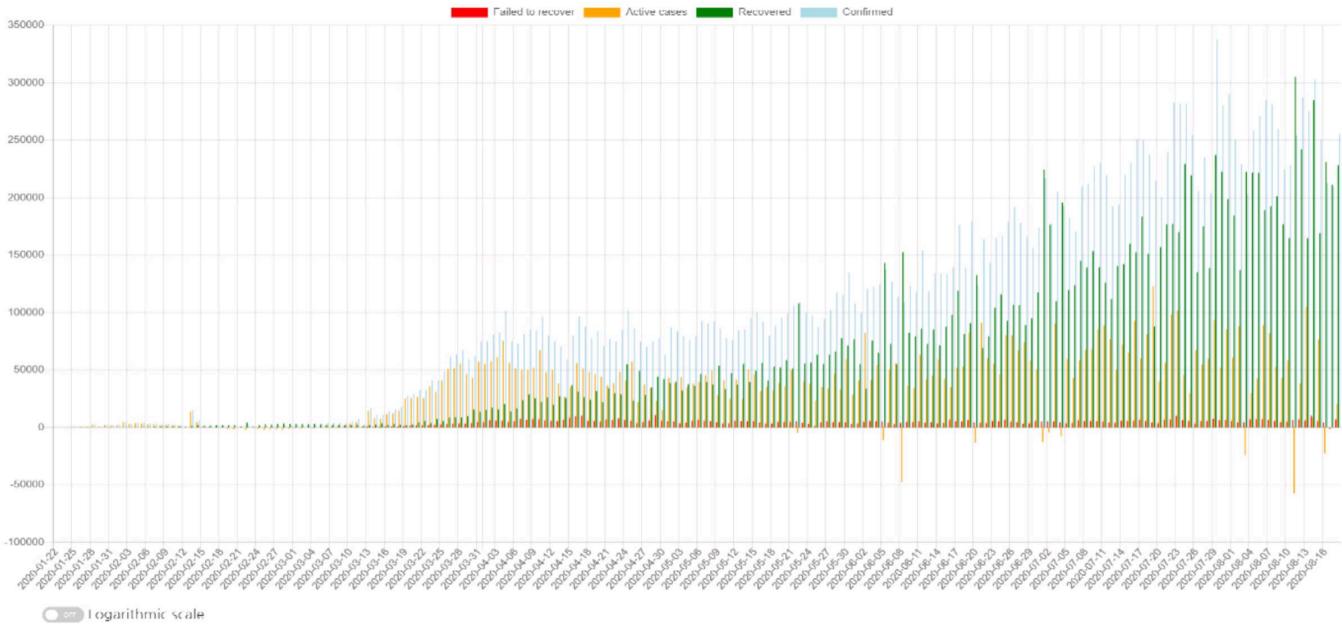
7,239,972 active
+20,044

Daily New Cases

COVID-19 Data by Country

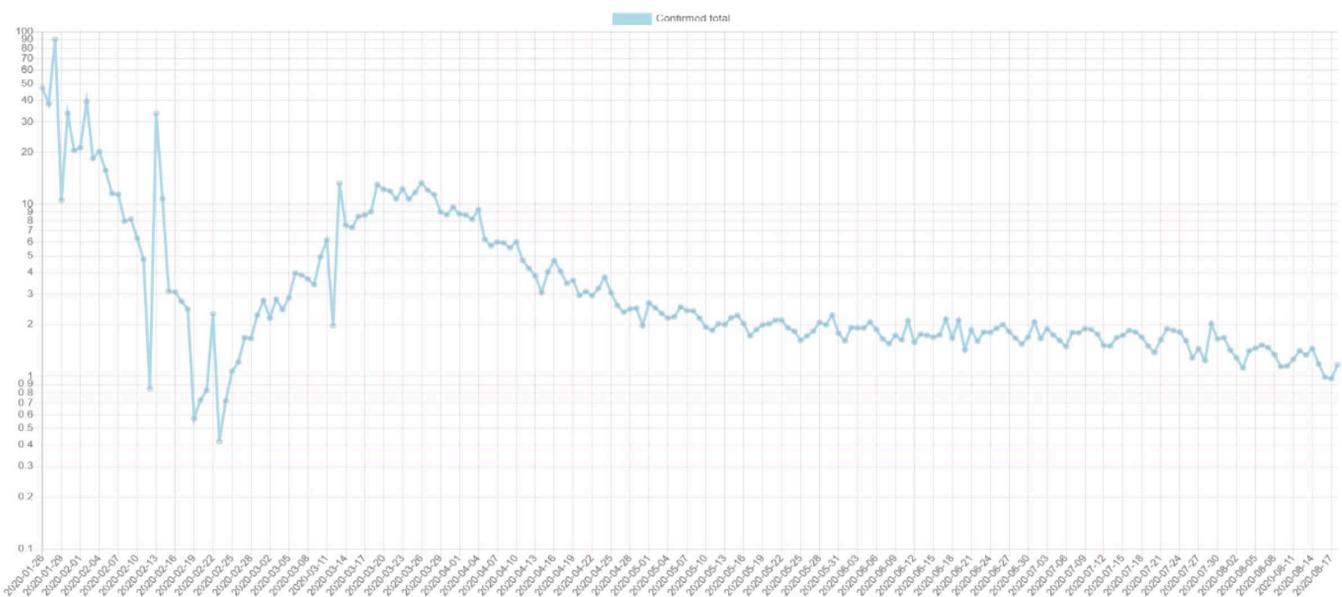
New Confirmed Cases

This graph shows the number of new cases by day. The lightblue bars are the number of the new total confirmed cases appeared that day.



Daily Speed

This graph shows the speed of growth (in %) over time. The only parameter here is the number of confirmed cases.



Our Design

Home Tracker News Precautions Medi-Care



WHAT IS COVID-19 ?



Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate illness and recover without specific treatment. Older adults and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness. The best way to prevent COVID-19 transmission is to be well informed about the COVID-19 virus, the disease it causes, and how it spreads. Protect yourself and others from getting sick by washing your hands or using an alcohol-based rub frequently and not touching your face. The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it's important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow).

FACTS ABOUT COVID-19



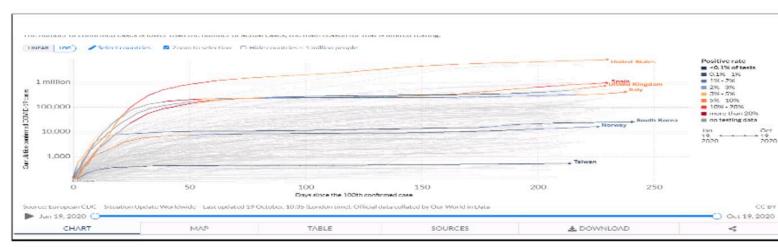
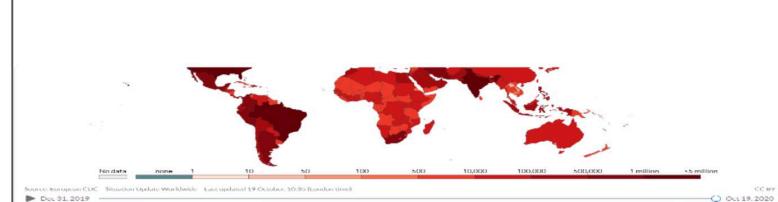
There is significant global media attention on the spread of Coronavirus, which has led to justifiable consumer concern about the risks from COVID-19 and an 'Infodemic'. Fear about the risks from this outbreak, and the scale of the public health challenge, have resulted in a significant increase in people seeking information about what to do to protect and prevent the virus.

Consumers are searching online sources for guidance on what they should do. However, not all information is based on sound science. The information void has led to the occurrence of misinformation, misperceptions and myths propagated by sources that lack the credibility to provide authoritative comment.

Despite the consensus amongst the medical community that there exists no cure for COVID-19, self-proclaimed experts and pundits across a variety of social channels are pervasive and are perpetuating ways to protect against or cure the virus. Everything from consuming bleach or antibacterial liquids in small doses to fearmongering is becoming commonplace.

The misinformation, misperceptions and myths have the potential to lead to harmful public health outcomes and significantly limit the adoption of evidence-based prevention measures as advised by leading public health experts.

The aim of COVID-19 facts is to provide accurate and credible information to counter myths that are gaining traction on social media platforms.



About
This website gives most of the information related to COVID-19 like daily news update, covid patient, or much more.

Technologies
HTML & CSS
JavaScript
Flask
Python

Quick Links
Home
Tracker
News
Precautions
Medi-Care

Contact
Tushar Saxena 
Vipul 
Diyyanshi Bansal 
Ananya Jain 
Umesh Pratap Singh 

Register free for daily updates [Sign Up!](#)

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Progress

Part 1 : Building a webapp on Covid-19 Tracker.

1. Create an index file which shows about covid-19 and the statics of corona virus.

2. Adding various features to the WebApp like :

- Precautions
- Tracker
- News
- Medi-Care

3. Create a Tracker for the covid-19 which will track the statics all over the world.

Part 2 : Adding various Features.

1. Adding which Precautions we should take to safe from covid-19.

2. Showing latest News to users to get updated from the virus.

3. Adding Voice Assistant.

Work Left

1. Adding Medi-Care Page.

2. Deploying to Web.

3. Backend.

Screenshots

File Edit Selection View Go Run Terminal Help index.html - Covid-19 - Visual Studio Code

EXPLORER

OPEN EDITORS

COVID-19

- .idea
- src
- static
 - css
 - footer.css
 - medicare.css
 - news.css
 - precautions.css
 - style.css
 - tracker_1.css
 - images
 - js
 - content-video.mp4
 - facts.mp4
 - video-1.mp4
 - video.mp4
- templates
 - debug.log
 - footer.html
 - index.html
 - layout.html
 - medicare.html
 - News.html
 - Precautions1.html
 - tracker.html
 - app.js
- Covid-19 Tracker with Voice Assistant...

OUTLINE

TIMELINE

NPM SCRIPTS

index.html X

templates > index.html > html > body > div#mynav > ulmenu > li > a

```
23 <body>
24   <div id="mynav">
25     <div class="logo">
26       <a href="#"></a>
27     </div>
28     <input type="checkbox" id="but">
29     <label for="but" class="show-butn">
30       <i class="fas fa-bars"></i>
31     </label>
32     <input type="checkbox" id="but">
33     <label for="but" class="hide-butn">
34       <i class="fas fa-times"></i>
35     </label>
36     <ul class="menu">
37       <li><a href="#">Home</a></li>
38       <li><a href="/tracker">Tracker</a></li>
39       <li><a href="news">News</a></li>
40       <li><a href="/precautions">Precautions</a></li>
41       <li><a href="/medi-care">Medi-Care</a></li>
42     </ul>
43   </div>
44   <div class="banner">
45     <video autoplay id="myVideo" loop muted width="100vw">
46       <source src="../static/video-1.mp4" type="video/mp4"/>
47     </video>
48   </div>
49   <div class="main-content">
50     <h1>What is COVID-19 ?</h1>
51     <div class="main-content__content">
52       <div class="content-video">
53         <video autoplay loop muted>
54           <source src="../static/content-video.mp4" type="video/mp4"/>
55         </video>
56       </div>
57       <p class="content">
58         Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus.
59       </p>
60     </div>
61   </div>
```

Ln 37, Col 26 Spaces: 4 UTF-8 CRLF HTML ENG 21:19 INTL 18-10-2020

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, it lists the project structure. The "index.html" file is currently selected.
- Code Editor:** The main area displays the HTML code for "index.html". The content includes a header, a paragraph about COVID-19, a section on prevention, and a video player for facts about COVID-19. It also contains a section about the infodemic and consumer behavior.
- Status Bar:** At the bottom, it shows the file path as "index.html - Covid-19 - Visual Studio Code", the line number "Ln 37, Col 26", and the status "Spaces: 4 UTF-8 CRLF HTML".

```
<p>Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus.<br/><p>Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness.<br/><p>The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus, the disease it causes and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol based rub frequently and not touching your face.<br/><p>The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it's important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow).</p></div></div><div class="about-covid"><h2>Facts about COVID-19</h2><div class="about-covid__content"><div class="about-video" id="about-video"><video autoplay id="" loop muted><source src="../static/facts.mp4" type="video/mp4"/></video></div><p class="about-content"><br/><br/>There is significant global media attention on the spread of Coronavirus, which has led to justifiable consumer concern about the risks from COVID-19 and an 'Infodemic'. Fears about the risks from this outbreak, and the scale of the public health challenge, have resulted in a significant increase in people seeking information about what to do to protect and prevent the virus.<br/><br/>Consumers are searching online sources for guidance on what they should do. However, not all information is based on sound science. The information void has led to the occurrence of misinformation, misperceptions and myths propagated by sources that lack the credibility to provide authoritative comment.<br/><br/></p>
```

File Edit Selection View Go Run Terminal Help index.html - Covid-19 - Visual Studio Code

EXPLORER OPEN EDITORS index.html

COVID-19 > idea > src > static > css # footer.css # medicare.css # news.css # precautions.css # style.css # tracker_1.css > images > js > content-video.mp4 > facts.mp4 > video-1.mp4 > video.mp4 > templates > debug.log > footer.html > index.html > layout.html > medicare.html > News.html > Precautions1.html > tracker.html > app.py > Covid-19 Tracker with Voice Assistant... > covid.csv > OUTLINE > TIMELINE > NPM SCRIPTS

index.html

```
106     The aim of COVID-19 facts is to provide accurate and credible information to counter myths that are gaining traction on social media platforms.
107
108     
```

```
109     </p>
110     <div class="chart">
111         <div class="interactive-chart">
112             <iframe height="600px" src="https://ourworldindata.org/grapher/total-cases-covid-19?tab=map"
113                 width="100%"></iframe>
114         </div>
115         <div class="interactive-chart">
116             <iframe src="https://ourworldindata.org/grapher/covid-confirmed-cases-since-100th-case?country=USA+ESP+ITA+KOR+TWN+GBR+NOR"
117                 style="width: 100%; height: 600px; border: 0px none;"></iframe>
118         </div>
119     </div>
120     </div>
121     </div>
122     <section class="sec-1">
123         <section class="about">
124             <h2>About</h2>
125             <p>This website gives most of the information related to COVID-19 like daily News updates, covid pateints, or much more.</p>
126         </section>
127         <section class="link1">
128             <h2>Technologies</h2>
129             <ul>
130                 <li><a href="#">HTML & CSS</a></li>
131                 <li><a href="#">JavaScript</a></li>
132                 <li><a href="#">Flask</a></li>
133                 <li><a href="#">Python</a></li>
134             </ul>
135         </section>
136         <section class="link2">
137             <h2>Quick Links</h2>
138             <ul>
139                 <li><a href="#">Home</a></li>
140                 <li><a href="#">Tracker</a></li>
141                 <li><a href="#">News</a></li>
142                 <li><a href="#">Precautions</a></li>
143             </ul>
144         </section>
145     </div>
```

Ln 37, Col 26 Spaces: 4 UTF-8 CRLF HTML ⚡ ENG 21:19 INTL 18-10-2020

File Edit Selection View Go Run Terminal Help index.html - Covid-19 - Visual Studio Code

EXPLORER OPEN EDITORS index.html

COVID-19 > idea > src > static > css # footer.css # medicare.css # news.css # precautions.css # style.css # tracker_1.css > images > js > content-video.mp4 > facts.mp4 > video-1.mp4 > video.mp4 > templates > debug.log > footer.html > index.html > layout.html > medicare.html > News.html > Precautions1.html > tracker.html > app.py > Covid-19 Tracker with Voice Assistant... > covid.csv > OUTLINE > TIMELINE > NPM SCRIPTS

index.html

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176
177
```

```
<ul>
    <li><a href="#">News</a></li>
    <li><a href="#">Precautions</a></li>
    <li><a href="#">Medi-Care</a></li>
</ul>
</section>

<section class="link3">
    <h2>Contact</h2>
    <ul>
        <li><a href="#">Tushar Saxena<i class="fa fa-google"></i></a></li>
        <li><a href="#">Vipul&lti class="fa fa-google"></i></a></li>
        <li><a href="#">Divyanshi Bansal<i class="fa fa-google"></i></a></li>
        <li><a href="#">Ananya Jain<i class="fa fa-google"></i></a></li>
        <li><a href="#">Umesh Pratap Singh<i class="fa fa-google"></i></a></li>
    </ul>
</section>
<hr width="100%" >
<section class="sec-2">
    <h2>Register free for daily updates</h2>
    <a href="#">Sign Up!</a>
</section>
<hr width="100%" >
<section class="sec-3">
    <ul>
        <li><a href="#"><i class="fa fa-github"></i></a></li>
        <!-- <a href="#"><i class="fa fa-hand-pointer-o" aria-hidden="true"></i>Move to Top</a> -->
    </ul>
</section>
<section class="sec-4">
    <p>Copyright © 2020 All Rights Reserved by COVID-19 Tracker</p>
</section>
</body>
<script src="../static/js/nav.js"></script>
</html>
```

Ln 37, Col 26 Spaces: 4 UTF-8 CRLF HTML ⚡ ENG 21:20 INTL 18-10-2020

File Edit Selection View Go Run Terminal Help index.html - Covid-19 - Visual Studio Code

EXPLORER OPEN EDITORS index.html templates

COVID-19 > idea > src > static > css # footer.css # medicare.css # news.css # precautions.css # style.css # tracker_1.css > images > js > content-video.mp4 > facts.mp4 > video-1.mp4 > video.mp4 > templates > debug.log > footer.html > index.html > layout.html > medicare.html > News.html > Precautions1.html > tracker.html > app.py & Covid-19 Tracker with Voice Assistant... covid.csv OUTLINE TIMELINE NPM SCRIPTS

index.html

```
141 <li><a href="#">News</a></li>
142 <li><a href="#">Precautions</a></li>
143 <li><a href="#">Medi-Care</a></li>
144 </ul>
145 </section>
146
147 <section class="link3">
148 <h2>Contact</h2>
149 <ul>
150 <li><a href="">Tushar Saxena<i class="fa fa-google"></i></a></li>
151 <li><a href="">Vipul<i class="fa fa-google"></i></a></li>
152 <li><a href="">Divyanshi Bansali<i class="fa fa-google"></i></a></li>
153 <li><a href="">Ananya Jain<i class="fa fa-google"></i></a></li>
154 <li><a href="">Umesh Pratap Singh<i class="fa fa-google"></i></a></li>
155 </ul>
156 </section>
157 <hr width="100%" >
158 <section class="sec-2">
159 <h2>Register free for daily updates</h2>
160 <a href="#">Sign Up!</a>
161 </section>
162 <hr width="100%" >
163 <section class="sec-3">
164 <ul>
165 <li><a href="#"><i class="fa fa-github"></i></a></li>
166 <li>-- <a href="#"><i class="fa fa-hand-pointer-o" aria-hidden="true"></i>Move to Top</a> -->
167 </ul>
168 </section>
169 <section class="sec-4">
170 <p>CopyRight © 2020 All Rights Reserved by COVID-19 Tracker</p>
171 </section>
172 </body>
173 <script src="../static/js/nav.js"></script>
174 </html>
```

Ln 37, Col 26 Spaces: 4 UTF-8 CRLF HTML ⚡ ENG 21:20 INTL 18-10-2020

File Edit Selection View Go Run Terminal Help Precautions1.html - Covid-19 - Visual Studio Code

EXPLORER OPEN EDITORS index.html Precautions1.html

COVID-19 > idea > src > static > css # footer.css # medicare.css # news.css # precautions.css # style.css # tracker_1.css > images > js > content-video.mp4 > facts.mp4 > video-1.mp4 > video.mp4 > templates > debug.log > footer.html > index.html > layout.html > medicare.html > News.html > Precautions1.html > tracker.html > app.py & Covid-19 Tracker with Voice Assistant... covid.csv OUTLINE TIMELINE NPM SCRIPTS

Precautions1.html

```
1 <script src="https://kit.fontawesome.com/ab2b5399.js"></script>
2 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
3 <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.2.0/css/all.css" integrity="sha384-hWjflwFxL6sNzntih2bfxr27Pm
4 <title>Precautions</title>
5 </head>
6 <body>
7   <div id="efh">
8     <div id="mynav">
9       <div class="logo">
10         <a href="/"></a>
11       </div>
12       <input type="checkbox" id="but">
13       <label for="but" class="show-btn">
14         <i class="fas fa-bars"></i>
15       </label>
16       <input type="checkbox" id="but">
17       <label for="but" class="hide-btn">
18         <i class="fas fa-times"></i>
19       </label>
20       <ul class="menu">
21         <li><a href="/">Home</a></li>
22         <li><a href="/tracker">Tracker</a></li>
23         <li><a href="/news">News</a></li>
24         <li><a href="/Precautions">Precautions</a></li>
25         <li><a href="/medi-care">Medi-Care</a></li>
26       </ul>
27     </div>
28   </div>
29   <div id="box1">
30     <div id="box11">
31       
32     </div>
33     <div id="box12">
34       <h1>Covid-19</h1>
35       <h3>Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus.</h3>
36       <h3>Most Common Symptoms : </h3>
37       <ul>
38         <li>Fever</li>
39       </ul>
40     </div>
41   </div>
42
43
44
```

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File Edit Selection View Go Run Terminal Help Precautions1.html - Covid-19 - Visual Studio Code

EXPLORER OPEN EDITORS index.html Precautions1.html

index.html templates Precautions1.html templates

COVID-19 .idea src static css # footer.css # medicare.css # news.css # precautions.css # style.css # tracker_1.css images js content-video.mp4 facts.mp4 video-1.mp4 video.mp4 templates debug.log footer.html index.html layout.html medicare.html News.html Precautions1.html tracker.html app.py Covid-19 Tracker with Voice Assistant OUTLINE TIMELINE NPM SCRIPTS

Precautions1.html

```
<ul>
    <li>Fever</li>
    <li>dry cough</li>
    <li>Tiredness</li>
</ul>
</div>
<div id="box2">
    <div id="box21">
        <h1>How it Spread ?</h1>
        <h3>The virus that causes COVID-19 is mainly transmitted through droplets generated when an infected person coughs, sneezes, or by touching</h3>
        <div>
            You can be infected by breathing in the virus if you are within close proximity of someone who has COVID-19, or by touching<br>
            surfaces that have been contaminated by the virus and then touching your mouth, nose, or eyes.
        </div>
        <div id="box22">
            <div class="sp">
                <div>
                    
                </div>
                <h3>Handshaking</h3>
            </div>
            <div class="sp">
                <div>
                    
                </div>
                <h3>Crowded Place</h3>
            </div>
            <div class="sp">
                <div>
                    
                </div>
                <h3>Particles in Air</h3>
            </div>
        </div>
    </div>
</div>
```

Ln 22, Col 17 Spaces: 4 UTF-8 CRLF HTML ⚡

Type here to search

File Edit Selection View Go Run Terminal Help Precautions1.html - Covid-19 - Visual Studio Code

EXPLORER OPEN EDITORS index.html Precautions1.html

index.html templates Precautions1.html

COVID-19 .idea src static css # footer.css # medicare.css # news.css # precautions.css # style.css # tracker_1.css images js content-video.mp4 facts.mp4 video-1.mp4 video.mp4 templates debug.log footer.html index.html layout.html medicare.html News.html Precautions1.html tracker.html app.py Covid-19 Tracker with Voice Assistant OUTLINE TIMELINE NPM SCRIPTS

Precautions1.html

```
<div id="box31">
    <h2>Preventive Measures </h2>
    <h3>You can reduce your chances of being infected or spreading COVID-19 by taking some simple precautions:</h3>
    <ul>
        <li>Regularly and thoroughly clean your hands with an alcohol-based hand rub or wash them with soap and water. Why? Wash hands often</li>
        <li>Maintain at least 1 metre (3 feet) distance between yourself and others. Why? When someone coughs, sneezes, or speaks</li>
        <li>Avoid touching eyes, nose and mouth. Why? Hands touch many surfaces and can pick up viruses. Once contaminated, hands can transfer the virus to your eyes, nose, and mouth. Wash hands often with soap and water, or use an alcohol-based hand rub if possible</li>
        <li>Avoid going to crowded places. Why? Where people come together in crowds, you are more likely to come into close contact with people who are infected with COVID-19</li>
        <li>Make sure you, and the people around you, follow good respiratory hygiene. This means covering your mouth and nose with a tissue when you cough or sneeze, and then disposing of the used tissue immediately</li>
        <li>Stay home and self-isolate even with minor symptoms such as cough, headache, mild fever, until you recover. Have someone else take care of you if you are sick</li>
        <li>If you have a fever, cough and difficulty breathing, seek medical attention, but call by telephone in advance if possible and follow the instructions of your local health authority</li>
    </ul>
</div>
<div id="box32">
    <div id="box321">
        <div id="pre"></div>
        <div id="text321"><h3>Clean your hands often. Use soap and water, or an alcohol-based hand rub.</h3></div>
    </div>
    <div id="box321">
        <div id="pre"></div>
        <div id="text321"><h3>Maintain a safe distance from anyone who is coughing or sneezing.</h3></div>
    </div>
    <div id="box321">
        <div id="pre"></div>
        <div id="text321"><h3>Wear a mask when physical distancing is not possible.</h3></div>
    </div>
    <div id="box321">
        <div id="pre"></div>
        <div id="text321"><h3>Cover your nose and mouth with your bent elbow or a tissue when you cough or sneeze.</h3></div>
    </div>
    <div id="box321">
        <div id="pre"></div>
        <div id="text321"><h3>Stay home if you feel unwell.</h3></div>
    </div>
</div>
```

Ln 22, Col 17 Spaces: 4 UTF-8 CRLF HTML ⚡

Type here to search

File Edit Selection View Go Run Terminal Help Precautions1.html - Covid-19 - Visual Studio Code

EXPLORER OPEN EDITORS index.html Precautions1.html templates 1 COVID-19 .idea src static css footer.css medicare.css news.css precautions.css style.css tracker_1.css images js content-video.mp4 facts.mp4 video-1.mp4 video.mp4 templates debug.log footer.html index.html layout.html medicare.html News.html Precautions1.html 1 tracker.html app.py Covid-19 Tracker with Voice Assistant OUTLINE TIMELINE NPM SCRIPTS

index.html Precautions1.html

```
templates > Precautions1.html > html > body > div#efh > div#mynav > label.show-butn
125 <div id="box5321">
126   <h1 style="text-align: center;font-size: 40px;padding: 20px;color: black; border-radius:15px;">Awareness By WHO</h1>
127   <div id="box5">
128     <div id="imga"></div>
129     <div id="imga"></div>
130   </div>
131   <div id="box5">
132     <div id="imga"></div>
133     <div id="imga"></div>
134   </div>
135   <div id="box6">
136     <div id="box61">
137       <div id="imga"></div>
138       <div id="imga"></div>
139     </div>
140     <div id="box61">
141       <div id="imga"></div>
142       <div id="imga"></div>
143     </div>
144   </div>
145   <div id="box5"><div id="imga"></div></div>
146
147 <!-- <div id="box4">
148   <h4>covid-19 Tracker with Voice Assistant <i class="fas fa-copyright"></i> 2020</h4>
149 </div> -->
150 <footer>
151   <section class="sec-1">
152     <section class="about">
153       <h2>About</h2>
154       <p>This website gives most of the information related to COVID-19 like daily News updates, covid patients, or much more.</p>
155     </section>
156     <section class="link">
157       <h2>Technologies</h2>
158       <ul>
159         <li><a href="#">HTML & CSS</a></li>
160         <li><a href="#">JAVASCRIPT</a></li>
161         <li><a href="#">FLASK</a></li>
162         <li><a href="#">PYTHON</a></li>
```

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, it shows the project structure under "COVID-19". The "templates" folder contains files like "debug.log", "footer.html", "index.html", "layout.html", "medicare.html", "News.html", "Precautions1.html" (selected), and "tracker.html".
- Code Editor:** The main area displays the "Precautions1.html" file content. The code includes navigation links for News, Precautions, and Medi-Care, a contact section with names and icons, and a footer with copyright information.
- Bottom Status Bar:** Shows the file path ("Covid-19 Tracker with Monica Dector"), line count (Ln 22, Col 17), and other settings like "Spaces: 4", "UTF-8", "CRLF", "HTML", and "Python".

File Edit Selection View Go Run Terminal Help

tracker.html - Covid-19 - Visual Studio Code

EXPLORER

- OPEN EDITORS
 - index.html templates
 - tracker.html templates
- COVID-19
 - _idea
 - src
 - static
 - css
 - # footer.css
 - # medicare.css
 - # news.css
 - # precautions.css
 - # style.css
 - # tracker_1.css
 - images
 - js
 - content-video.mp4
 - facts.mp4
 - video-1.mp4
 - video.mp4
 - templates
 - debug.log
 - footer.html
 - index.html
 - layout.html
 - medicare.html
 - News.html
 - Precautions1.html
 - tracker.html
 - app.py

Covid-19 Tracker with Voice Assistant

OUTLINE

TIMELINE

NPM SCRIPTS

master Type here to search

Ln 11, Col 5 Spaces: 2 UTF-8 CRLF HTML ⚡ 21:21 ENG INTL 18-10-2020

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>Tracker</title>
    <link href="../static/css/style.css" rel="stylesheet" />
    <link href="../static/css/tracker_1.css" rel="stylesheet" />
    <script src="https://kit.fontawesome.com/a076d05399.js"></script>
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.2.0/css/all.css" integrity="sha384-hWjflwFxL6sNzntih27bfkr2Pm&gt;">
    <link href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css" rel="stylesheet" />
    <link href="https://fonts.googleapis.com/css2?family=Architects+Daughter&family=Poppins:wght@200&family=zilla+Slab:wght@300&display=swap" rel="stylesheet" />
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css" integrity="sha384-wvTxppzzVGK6TAhSPV1GOFQNHIsD2xbE+QkPxCAF1NEevOHB3sl0sibVCQyNlN" crossorigin="anonymous" />
  </head>
  <script src="https://cdn.anychart.com/js/8.0.1/anychart-core.min.js"></script>
  <script src="https://cdn.anychart.com/js/8.0.1/anychart-pie.min.js"></script>
  <script src="https://cdn.jsdelivr.net/npm/chart.js@2.8.0"></script>
  <body>
    <div id="mynav">
      <div class="logo">
        <a href="/"></a>
      </div>
      <input type="checkbox" id="but">
      <label for="but" class="show-btn">
        <i class="fas fa-bars"></i>
      </label>
      <ul class="menu">
        <li><a href="/">Home</a></li>
        <li><a href="/tracker">Trackers</a></li>
        <li><a href="/news">News</a></li>
        <li><a href="/precautions">Precautions</a></li>
        <li><a href="/medi-care">Medi-Care</a></li>
      </ul>
    </div>
    <div class="banner-img">
      <div class="banner-content">
        <h2>Track Your Country!</h2>
      </div>
    </div>
    <h1>World Statistics!</h1>
    <div class="overall-data-section">
      <div class="overall-confirmed">
        <div class="title">Total Confirmed</div>
        <div class="value" style="color: #aqua">0</div>
      </div>
      <div class="overall-recovered">
        <div class="title">Total Recovered</div>
        <div class="value" style="color: #chartreuse">0</div>
      </div>
      <div class="overall-deaths">
        <div class="title">Total Deaths</div>
        <div class="value" style="color: #crimson">0</div>
      </div>
    </div>
    <div class="pie-chart">
      <canvas id="chart-container"> </canvas>
    </div>
  </body>
```

File Edit Selection View Go Run Terminal Help

tracker.html - Covid-19 - Visual Studio Code

EXPLORER

- OPEN EDITORS
 - index.html templates
 - tracker.html templates
- COVID-19
 - _idea
 - src
 - static
 - css
 - # footer.css
 - # medicare.css
 - # news.css
 - # precautions.css
 - # style.css
 - # tracker_1.css
 - images
 - js
 - content-video.mp4
 - facts.mp4
 - video-1.mp4
 - video.mp4
 - templates
 - debug.log
 - footer.html
 - index.html
 - layout.html
 - medicare.html
 - News.html
 - Precautions1.html
 - tracker.html
 - app.py

Covid-19 Tracker with Voice Assistant

OUTLINE

TIMELINE

NPM SCRIPTS

master Type here to search

Ln 11, Col 5 Spaces: 2 UTF-8 CRLF HTML ⚡ 21:21 ENG INTL 18-10-2020

```
<label for="but" class="show-btn">
  <i class="fas fa-bars"></i>
</label>
<input type="checkbox" id="but">
<label for="but" class="hide-btn">
  <i class="fa-times"></i>
</label>
<ul class="menu">
  <li><a href="/">Home</a></li>
  <li><a href="/tracker">Trackers</a></li>
  <li><a href="/news">News</a></li>
  <li><a href="/precautions">Precautions</a></li>
  <li><a href="/medi-care">Medi-Care</a></li>
</ul>
</div>
<div class="banner-img">
  <div class="banner-content">
    <h2>Track Your Country!</h2>
  </div>
</div>
<h1>World Statistics!</h1>
<div class="overall-data-section">
  <div class="overall-confirmed">
    <div class="title">Total Confirmed</div>
    <div class="value" style="color: #aqua">0</div>
  </div>
  <div class="overall-recovered">
    <div class="title">Total Recovered</div>
    <div class="value" style="color: #chartreuse">0</div>
  </div>
  <div class="overall-deaths">
    <div class="title">Total Deaths</div>
    <div class="value" style="color: #crimson">0</div>
  </div>
</div>
<div class="pie-chart">
  <canvas id="chart-container"> </canvas>
</div>
```

File Edit Selection View Go Run Terminal Help

tracker.html - Covid-19 - Visual Studio Code

EXPLORER

OPEN EDITORS

- index.html templates
- tracker.html templates

COVID-19

- .idea
- src
- static
 - css
 - # footer.css
 - # medicare.css
 - # news.css
 - # precautions.css
 - # style.css
 - # tracker_.css
 - images
 - js
 - content-video.mp4
 - facts.mp4
 - video-1.mp4
 - video.mp4
- templates
 - debug.log
 - footer.html
 - index.html
 - layout.html
 - medicare.html
 - News.html
 - Precuations1.html
 - tracker.html
- app.py
- Covid-19 Tracker with Voice Assistant

OUTLINE

TIMELINE

NPM SCRIPTS

index.html

tracker.html

```
templates > tracker.html > html > head > link
107     </div>
108     <div class="total-deaths">
109         <div class="title">Total-Deaths</div>
110         <div class="value">0</div>
111         <div class="new-value">+0</div>
112     </div>
113     </div>
114     <div class="charts">
115         <canvas id="line-chart"></canvas>
116     </div>
117     <div class="charts">
118         <canvas id="bar-chart"></canvas>
119     </div>
120     <footer>
121         <section class="sec-1">
122             <section class="about">
123                 <h2>About</h2>
124                 <p>
125                     This website gives most of the information related to COVID-19 like
126                     daily News updates, covid pateints, or much more.
127                 </p>
128             </section>
129             <section class="link1">
130                 <h2>Technologies</h2>
131                 <ul>
132                     <li><a href="#">HTML & CSS</a></li>
133                     <li><a href="#">JavaScript</a></li>
134                     <li><a href="#">Flask</a></li>
135                     <li><a href="#">Python</a></li>
136                 </ul>
137             </section>
138             <section class="link2">
139                 <h2>Quick Links</h2>
140                 <ul>
141                     <li><a href="#">Home</a></li>
142                     <li><a href="#">Tracker</a></li>
143                 </ul>
144             </section>
```

LN 11, COL 5 SPACES: 2 UTF-8 CRLF HTML

ENG 21:21 INTL 18-10-2020

File Edit Selection View Go Run Terminal Help

tracker.html - Covid-19 - Visual Studio Code

EXPLORER

OPEN EDITORS

- index.html templates
- tracker.html templates

COVID-19

- .idea
- src
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 - css
 - # footer.css
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 - # news.css
 - # precautions.css
 - # style.css
 - # tracker_1.css
 - images
 - js
 - content-video.mp4
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 - video-1.mp4
 - video.mp4
 - templates
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 - News.html
 - Precautions1.html
 - tracker.html
 - app.py

Covid-19 Tracker with Voice Assistant

OUTLINE

TIMELINE

NPM SCRIPTS

master 0 0 0 Type here to search

Ln 11, Col 5 Spaces: 2 UTF-8 CRLF HTML

```
150
151 <section class="link3">
152   <h2>Contact</h2>
153   <ul>
154     <li>tushar Saxena</li>
155     <i class="fa fa-google"></i>
156     <li>vipul</li>
157     <i class="fa fa-google"></i>
158     <li>Divyanshi Bansal</li>
159     <i class="fa fa-google"></i>
160     <li>Ananya Jain</li>
161     <i class="fa fa-google"></i>
162     <li>Amesh Pratap Singh</li>
163     <i class="fa fa-google"></i>
164   </ul>
165   </section>
166 </section>
167 <hr width="100%" />
168 <section class="sec-2">
169   <h2>Register free for daily updates</h2>
170   <a href="#">Sign Up!</a>
171 </section>
172 <hr width="100%" />
173 <section class="sec-3">
174   <ul>
175     <li>
176       <a href="#"><i class="fa fa-github"></i></a>
177     </li>
178     <!-- <a href="#"><i class="fa fa-hand-pointer-o" aria-hidden="true"></i>Move to Top</a> -->
179   </ul>
180 </section>
181 <section class="sec-4">
182   <p>CopyRight © 2020 All Rights Reserved by COVID-19 Tracker</p>
183 </section>
184 </body>
185 <script
186   language="JavaScript"
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
```

File Edit Selection View Go Run Terminal Help

tracker.html - Covid-19 - Visual Studio Code

EXPLORER

OPEN EDITORS

- index.html templates
- tracker.html templates

COVID-19

- .idea
- src
 - static
 - css
 - # footer.css
 - # medicare.css
 - # news.css
 - # precautions.css
 - # style.css
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 - images
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 - facts.mp4
 - video-1.mp4
 - video.mp4
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 - Precautions1.html
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 - app.py

Covid-19 Tracker with Voice Assistant

OUTLINE

TIMELINE

NPM SCRIPTS

master 0 0 0 Type here to search

Ln 11, Col 5 Spaces: 2 UTF-8 CRLF HTML

```
<p>CopyRight © 2020 All Rights Reserved by COVID-19 Tracker</p>
</section>
</body>
<script
  language="JavaScript"
  src="http://www.geoplugin.net/javascript.gp"
  type="text/javascript"
></script>
<script src="../static/js/countries.js"></script>
<script src="https://cdn.jsdelivr.net/npm/chart.js@2.9.3/dist/chart.min.js"></script>
<script src="../static/js/tracker.js"></script>
<script
  src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
  integrity="sha384-q8I/X9650z00rT7abK41JS1QIAqVgRvzb05smXKp4YfRvH+8abTE1Pi6jizo"
  crossorigin="anonymous"
></script>
<script
  src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
  integrity="sha384-UOzeT0CphQd5JQ6hJty5KvhptPh2Wj9M0c1HtMgA3JDZwrmQq4sF86dIHNDz0W1"
  crossorigin="anonymous"
></script>
<script
  src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
  integrity="sha384-U1jSwgyd3p3pxB1tRibZUAYoITy60tQ6VrjtTeAfFn1GzTxFDsf4x0xTM807jRM"
  crossorigin="anonymous"
></script>
</html>
```

```
static > js > JS medicare.js
1 let url = "https://api.rootnet.in/covid19-in/hospitals/medical-colleges";
2 var d = [];
3 fetch(url)
4 .then((res) => {
5   return res.json();
6 })
7 .then((data) => {
8   data.data.medicalColleges.forEach(el=>{
9     d.push(el);
10   })
11   add_data(data.data.medicalColleges);
12 });
13
14 function filter_add() {
15   var h = document.getElementById("hospital_section");
16   var search_box = document.getElementById("hospital_id");
17   var value = search_box.value;
18   if (value!="") {
19     h.innerHTML = '';
20     d.forEach(element) => {
21       if (value.toLowerCase() === element.city.toLowerCase()) {
22         h.innerHTML += `
23           <div class='hospital'>
24             <h3 class='name'>${element.name}</h3>
25             <h4 class='beds'>Beds:${element.hospitalBeds}</h4>
26             <h4 class='beds'>City:${element.city}</h4>
27             <h4 class='state'>${element.state}</h4>
28           </div>
29         `;
30       }
31     });
32   }
33 }
34
35 function add_data() {
36   var h = document.getElementById("hospital_section");
37   d.forEach(element) => {
38     h.innerHTML += `
39       <div class='hospital'>
40         <h3 class='name'>${element.name}</h3>
41         <h4 class='beds'>Beds:${element.hospitalBeds}</h4>
42         <h4 class='beds'>City:${element.city}</h4>
43         <h4 class='state'>${element.state}</h4>
44       </div>
45     `;
46   });
47 }
```

```
static > js > JS medicare.js
17   var value = search_box.value;
18   if (value!="") {
19     h.innerHTML = '';
20     d.forEach(element) => {
21       if (value.toLowerCase() === element.city.toLowerCase()) {
22         h.innerHTML += `
23           <div class='hospital'>
24             <h3 class='name'>${element.name}</h3>
25             <h4 class='beds'>Beds:${element.hospitalBeds}</h4>
26             <h4 class='beds'>City:${element.city}</h4>
27             <h4 class='state'>${element.state}</h4>
28           </div>
29         `;
30       }
31     });
32   }
33 }
34
35 function add_data() {
36   var h = document.getElementById("hospital_section");
37   d.forEach(element) => {
38     h.innerHTML += `
39       <div class='hospital'>
40         <h3 class='name'>${element.name}</h3>
41         <h4 class='beds'>Beds:${element.hospitalBeds}</h4>
42         <h4 class='beds'>City:${element.city}</h4>
43         <h4 class='state'>${element.state}</h4>
44       </div>
45     `;
46   });
47 }
```

The screenshot shows the Visual Studio Code interface with the news.js file open in the editor. The code is a JavaScript file that fetches data from a URL and appends it to a DOM element. The code is as follows:

```
1  async function getapi(){
2
3    url = "https://cryptic-ravine-96718.herokuapp.com/";
4    await fetch(url)
5    .then(res=>{
6      // console.log(res.json());
7      return res.json();
8    })
9    .then(data=>{
10      console.log(data['news']);
11      appendData(data['news']);
12    })
13  }
14
15  getapi();
16
17
18
19
20
21
22  function appendData(data){
23    var newsElement = document.getElementById('news');
24    var loading = document.getElementById('gif');
25    loading.classList.add('hidden');
26
27    data.forEach(
28      element => {
29      newsElement.innerHTML += `
30        <div class='news-item'>
31          <div class='news-img'><img src='${element.img}' width='500px'></div>
32          <div class='news-title'>${element.title}...
33          <div class='news-link'><a href='${element.link}' target='_blank' rel='noopener noreferrer'>Read More</a></div>
34        </div>
35    );
36  }
```

The status bar at the bottom indicates the file is in master branch, has 0 changes, and is 0 bytes. It also shows the current language is JavaScript.

This screenshot is identical to the one above, showing the Visual Studio Code interface with the news.js file open. The code is the same, and the status bar at the bottom indicates the file is in master branch, has 0 changes, and is 0 bytes. It also shows the current language is JavaScript.

Data Collection

For Data Collection We will be using an API:

<https://covid19.mathdro.id/api/>

For Voice Assistant:

<https://www.worldometers.info/coronavirus/>

References

- www.tutorialspoint.com
- www.javatpoint.com
- www.youtube.com
- www.w3school.com