



Covid – 19 Updates

Abstract:

“COVID-19 UPDATES” IS A WEBSITE THAT GIVES US MORE **DETAILS, NEWS, INSTRUCTIONS, GLOBAL & NATIONAL ANALYSIS, WHEREABOUTS’ OF CORONAVIRUSES** WHICH ARE A GROUP OF VIRUSES BELONGING TO THE FAMILY OF CORONAVIRIDAE, WHICH INFECT BOTH ANIMALS AND HUMANS. HUMAN CORONAVIRUSES CAN CAUSE MILD DISEASE SIMILAR TO A COMMON COLD, WHILE OTHERS CAUSE MORE SEVERE DISEASE (SUCH AS **MERS** - MIDDLE EAST RESPIRATORY SYNDROME AND **SARS** – SEVERE ACUTE RESPIRATORY SYNDROME). A NEW CORONAVIRUS THAT PREVIOUSLY HAS NOT BEEN IDENTIFIED IN HUMANS EMERGED IN WUHAN, CHINA IN DECEMBER 2019.

SIGNS AND SYMPTOMS INCLUDE RESPIRATORY SYMPTOMS AND INCLUDE FEVER, COUGH AND SHORTNESS OF BREATH. IN MORE SEVERE CASES, INFECTION CAN CAUSE PNEUMONIA, SEVERE ACUTE RESPIRATORY SYNDROME AND SOMETIMES DEATH. **WHO** IS WORKING CLOSELY WITH GLOBAL EXPERTS, GOVERNMENTS AND PARTNERS TO RAPIDLY EXPAND SCIENTIFIC KNOWLEDGE ON THIS NEW VIRUS AND TO PROVIDE TIMELY ADVICE ON MEASURES TO PROTECT PEOPLE’S HEALTH AND PREVENT THE SPREAD OF THIS OUTBREAK.

HEALTH WORKERS ARE AT THE FRONT LINE OF ANY OUTBREAK RESPONSE AND AS SUCH ARE EXPOSED TO HAZARDS THAT PUT THEM AT RISK OF INFECTION WITH AN OUTBREAK PATHOGEN (IN THIS CASE COVID-19). HAZARDS INCLUDE PATHOGEN EXPOSURE, LONG WORKING HOURS, PSYCHOLOGICAL DISTRESS, FATIGUE, OCCUPATIONAL BURNOUT, STIGMA, AND PHYSICAL AND PSYCHOLOGICAL VIOLENCE.

COVID-19 KG UPDATES IS BUILT USING **HTML5, CSS3, JQUERY, AJAX, BOOTSTRAP, MAILCHIMP, PARALLAX JAVASCRIPT, GOOGLEAPIS, COVID GLOBAL LEVEL API, NATIONAL LEVEL API, STREAMLIT, PODCAST NEWS AUDIO, VIDEO, JSON, PYTHON**. **HOME PAGE** HAS EYE CATCHING **PARALLAX ANIMATION** WITH **SVG** ALONGSIDE **MENU** THAT NAVIGATES US TO VARIOUS OTHER PAGES, IT HAS A **LOGO** THAT NAVIGATES TO THE MAIN PAGE WHERE **LINEAR BACKGROUND** WITH **TRANSPARENT EFFECTS** ARE ADDED, AND **BOX DISPLAYS** ARE DESIGNED WITH **BOX SHADOWS**, **ACTIVE BUTTONS** WITH **TRANSITIONS** AND **BOOTSTRAP CSS**, **AJAX JS** IS ADDED AND BENEATH WE HAVE **NEWSLETTER SUBSCRIPTION** FOLLOWING THAT **PODCAST NEWS** ON COVID FROM **SPOTIFY** IS EMBEDDED AS AUDIO AND **GEOLOCATION** RENDERS US THE **MAP** ON **CANVAS** THAT WILL SHOW US THE DETAILS ON WHERE THE FIRM RESIDES AND ENDS WITH A **FOOTER**. IN **MENU BAR** WE HAVE OPTIONS LIKE **OUTBREAK, INTERNATIONAL, NATIONAL, LOGO+COVID-19** **TEXT TAGS** LEADS US TO THE MAIN PAGE. **PODCAST NEWS AUDIO** IS EMBEDDED FORM **SPOTIFY** **PLAYLIST** ON THE TOPIC “HOW COVID CHANGED SCIENCE?” **NEWSLETTER SUBSCRIPTION** BUTTON LEADS TO **SUBSCRIPTION** PAGE, THAT IS **VALIDATED** USING **JQUERY** AND STORES THE DATA INSIDE THE **DATABASE** PROVIDED BY **MAILCHIMP**. **OUTBREAK** PAGE CONTAINS **DETAILS** ON COVID-19 AND PROVIDES **BUTTON** TO **VIEW PDF** FILE AND **BUTTON** TO **DOWNLOAD PDF** FILE. AND **WATCH VIDEO** OPTIONS ARE PROVIDED WHERE A **VIDEO** IS RENDERED TO USER ON COVID-19. IN THE **INTERNATIONAL** PAGE WE HAVE **GLOBAL LEVEL** UPDATES ON COVID CASES LIKE **RECOVERED, DECEASED, ALIVE** FOR EVERY COUNTRIES BY **FETCHING** THE **API** USING **JSON** AND **STREAMLIT** PROVIDES US WITH **DETAILS** ON **GLOBAL LEVEL** COVID STATUS ACCURATELY BY CHOOSING DATES, **DOM** FUNCTIONS ARE ADDED TO IT LIKE **GETELEMENTS()**ETC., WITH **SSE** UPDATES THROUGH API. IN THE **NATIONAL PAGE** WE HAVE **NATIONAL LEVEL** UPDATES ON COVID LIKE **OVERALL, RECOVERED, CONFIRMED, DECEASED** CASES FOR ALL THE STATES IN INDIA. THESE ARE ACCURATELY REPRESENTED VISUALLY USING **STREAMLIT** THROUGH **FOLIUM MAPS, BAR GRAPHS, PIE CHART, LINE GRAPHS, BOX PLOTS** AND MORE, ALONG WITH THAT WE CAN CHOOSE PARTICULAR STATES TO KNOW THE **ANALYTICS** DETAILS AND UNDERSTAND THEM VISUALLY THROUGH GRAPH. ALL THIS PROJECT WILL HELP ALL THE USERS TO GET A DETAILED KNOWLEDGE ON COVID-19 AND HENCE BY THE NAME WE CAN CONCLUDE IT “COVID-19 KG UPDATES”



Covid - 19 Updates

Functional Requirements:

1. Objective:

“COVID-19 UPDATES” MAIN OBJECTIVE IS:

TO PROVIDE USER A VISUALLY APPEALING SITE FILLED WITH DETAILS ON COVID-19

TO PROVIDE DETAILS ON IT’S SYMPTOMS, DO’S AND DON’TS INFO

TO ENABLE NEWSLETTER SUBSCRIPTION FOR MORE PERSONAL UPDATES

TO PROVIDE THEM WITH COVID PODCASTS TO LISTEN TO WHILE SCROLLING THROUGH WEBSITE

TO PROVIDE THEM WITH DETAILS ON COVID’S FIRST EVER OUTBREAK ALONG WITH STEPS TO PROTECT ONESELF

TO PROVIDE THEM WITH VIDEO CLIPPINGS ON COVID FOR ENHANCED UNDERSTANDING

TO PROVIDE THEM WITH GLOBAL AND NATIONAL LEVEL COVID UPDATES AND VISUALIZING THROUGH GRAPHS

TO PROVIDE THEM WITH GLOBAL LEVEL COVID DASHBOARD WITH VISUAL REPRESENTATIONS ON STREAMLIT WORLDWIDE

TO PROVIDE THEM WITH A NATIONAL LEVEL DETAILED ANALYSIS ON CASES WITH GRAPHS ON STREAMLIT FOR EACH STATE IN INDIA.

TO PROVIDE THEM WITH DETAILS ON WHERE THE “COVID-19 UPDATES” OFFICE RESIDES

TO PROVIDE THEM WITH AUTHOR DETAILS AND COPYRIGHT TAG IN THE FOOTER

2. End Results:

“COVID-19 UPDATES” FEATURES ARE:

HOME PAGE : FILLED WITH COVID DETAILS, BUTTON LINKS, MENU, SUBSCRIPTION, PODCAST, MAP, COPYRIGHT. NAVIGATORS [LOGO, WEBSITE NAME, EXPLORE NEWS(PODCAST, AUDIO WITH PLAY, SHARE, NEXT, PREVIOUS OPTIONS), KNOW MORE(BELOW SECTION), SUBSCRIBE(ENTERING DETAILS THAT WILL EVENTUALLY BE STORED IN MAILCHIMP)]

OUTBREAK PAGE: FILLED WITH DETAILS ON COVID-19- OUTBREAK, STEPS TO PROTECT YOURSELF. NAVIGATORS [LEARN MORE(PDF VIEW), DOWNLOAD(PDF DOWNLOAD), WATCH VIDEO(VIDEO ON 3 W’S WITH PLAY BUTTON, AUDIO CONTROLS, ZOOM IN AND OUT CONTROLS, DOWNLOAD OPTION, PLAYBACK SPEED SETTINGS AND PICTURE IN PICTURE MODE)]

INTERNATIONAL PAGE : GLOBAL LEVEL COVID DASHBOARD WITH DETAILS ON TOTAL CASES, RECOVERED CASES, DEATHS, RESPONSIVE GRAPH CHARTS, STREAMLIT INDIVIDUAL ANALYSIS WITH AVERAGE CASES AND AVERAGE CASES PER DAY.

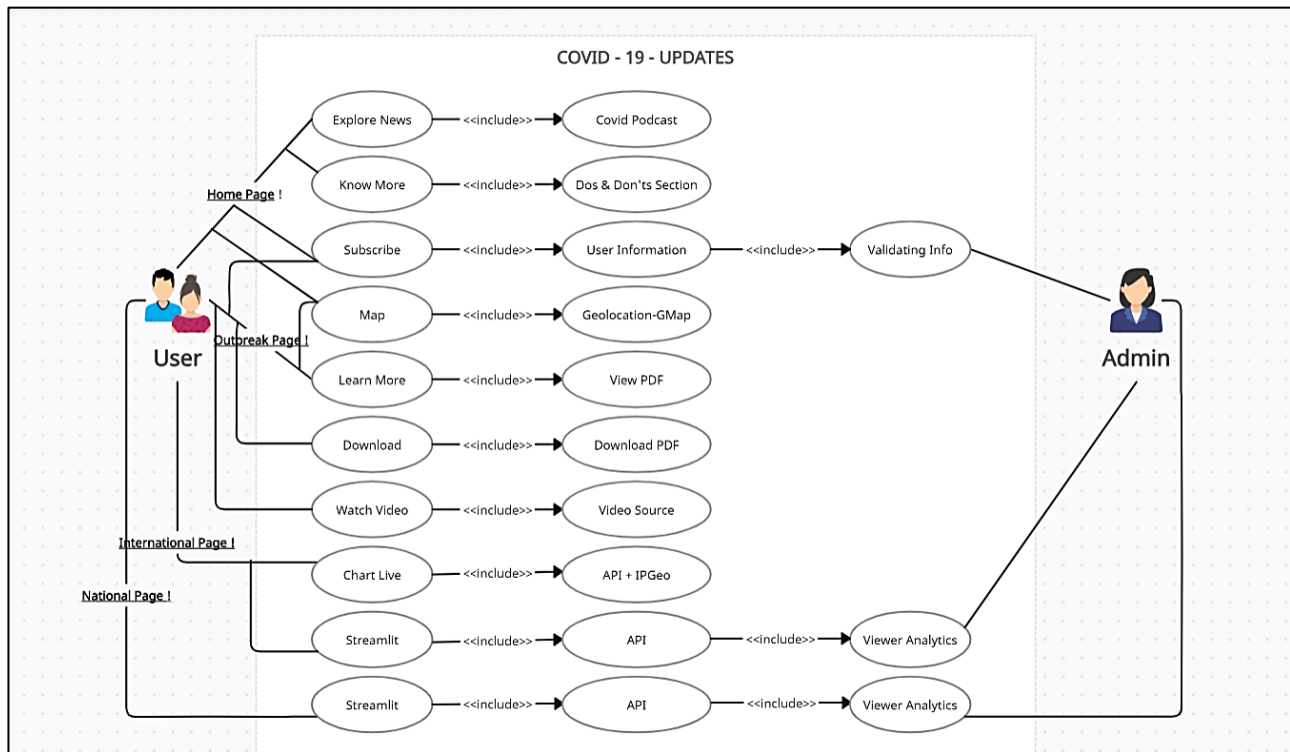
NATIONAL PAGE: NATIONAL LEVEL COVID DASHBOARD WITH DETAILS ON INDIA’S OVERALL CONFIRMED, RECOVERED, DECEASED CASES ALONG WITH BAR PLOTS, PIE CHARTS, LINE GRAPHS, BOX PLOTS AND DETAILS ON A PARTICULAR STATE’S OVERALL CONFIRMED, RECOVERED, DECEASED CASES ALONG WITH BAR PLOTS, PIE CHARTS, LINE GRAPHS, BOX PLOTS ETC.,. TILL CURRENT DATE.

VIDEO PAGE: RENDERS VIDEO ON 3 W’S WITH PLAY BUTTON, AUDIO CONTROLS, ZOOM IN AND OUT CONTROLS, DOWNLOAD OPTION, PLAYBACK SPEED SETTINGS AND PICTURE IN PICTURE MODE

SUBSCRIPTION PAGE: WHERE ON ENTERING DETAILS THEY WILL EVENTUALLY BE STORED IN MAILCHIMP’S DB

Covid – 19 Updates

Use Case Diagram:



Database Design:

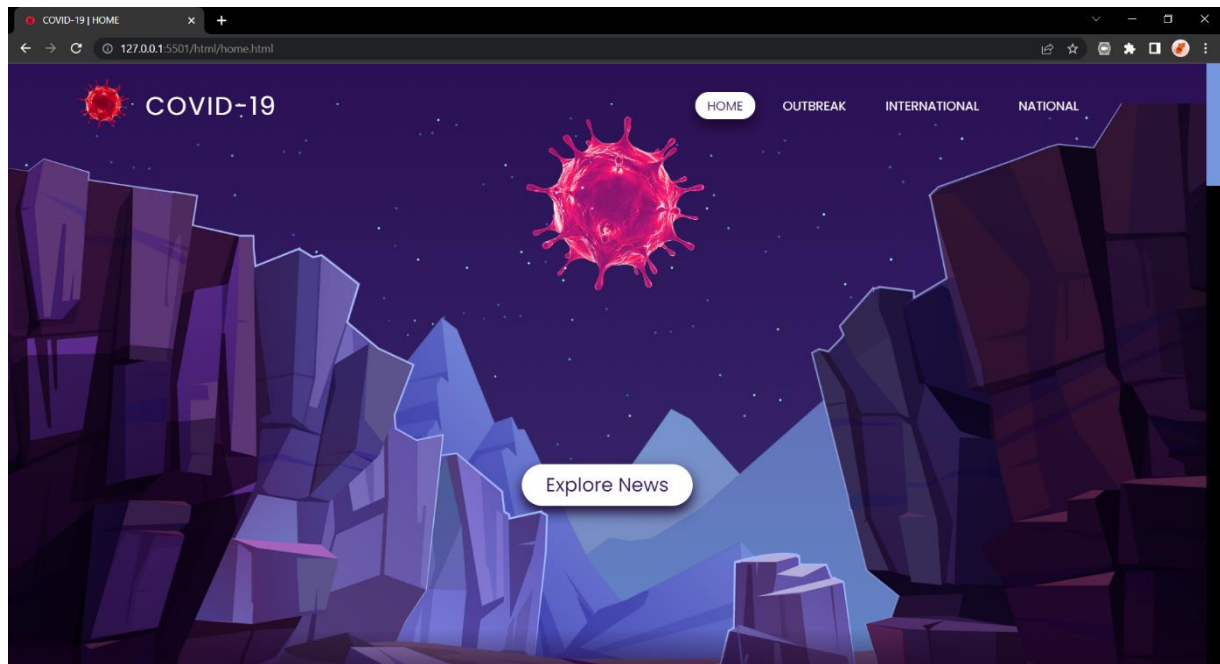
The screenshot shows the Mailchimp Audience management interface for "Jim Kim Production". The audience has 52 contacts, 52 of which are subscribers. The interface includes a sidebar with navigation options like **Create**, **Campaigns**, **Audience**, and **Automations**. The main area displays a list of contacts with columns for **Email Address**, **First Name**, **Last Name**, **Address**, **Phone Number**, **Birthday**, **Name**, and **Tags**. The list is filtered by tags and shows a segment of contacts. The contacts listed are:

	Email Address	First Name	Last Name	Address	Phone Number	Birthday	Name	Tags
<input type="checkbox"/>	kimberly@gmail.com	kim						
<input type="checkbox"/>	marcnathan@gmail.com	Marc						
<input type="checkbox"/>	boomcafe@gmail.com	Boom Cafe						
<input type="checkbox"/>	rockstar@gmail.com	Mr.Rock						
<input type="checkbox"/>	scamper@gmail.com	Jim Scamper						

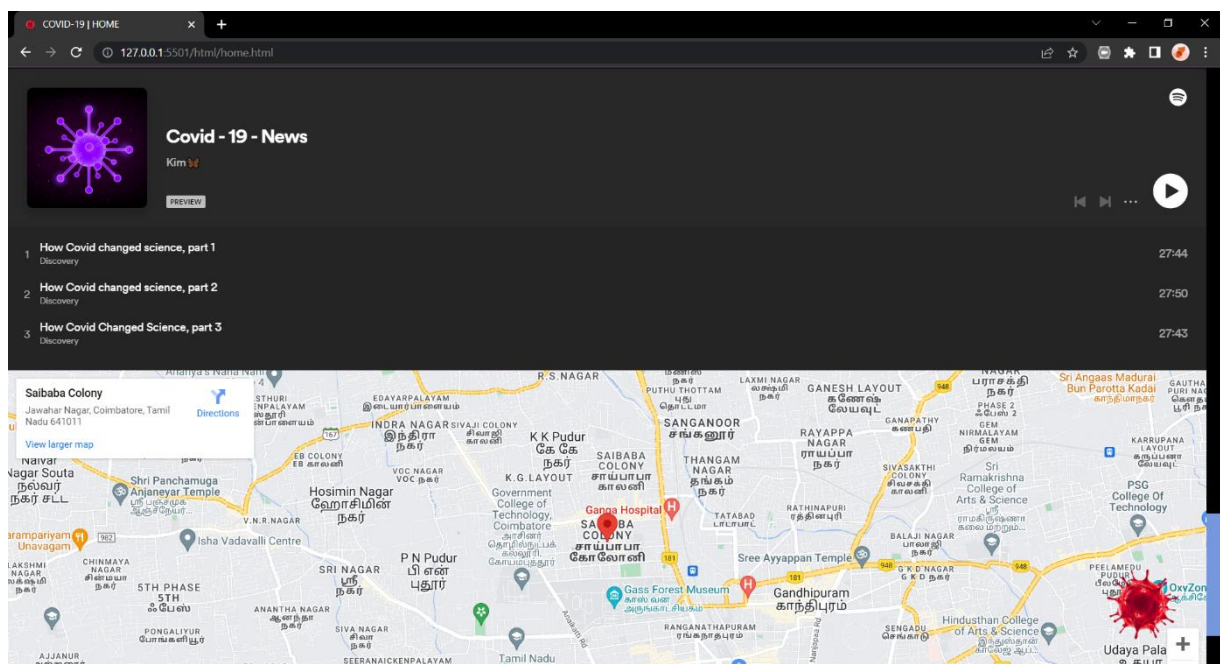
The interface also includes options to **Toggle Columns**, **Export Audience**, and a **Feedback** button. The bottom of the screen shows the Windows taskbar with the time 1:04 PM and language set to ENG.

Covid - 19 Updates

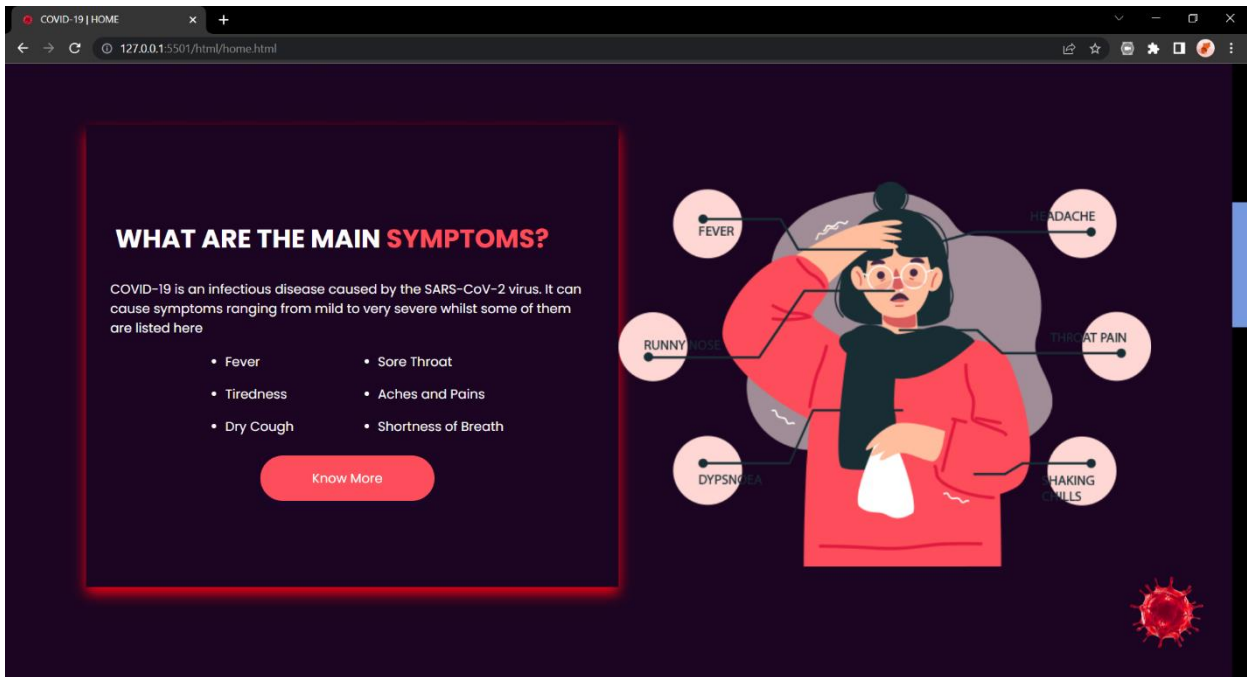
Module, Navigation & User Interface Design:



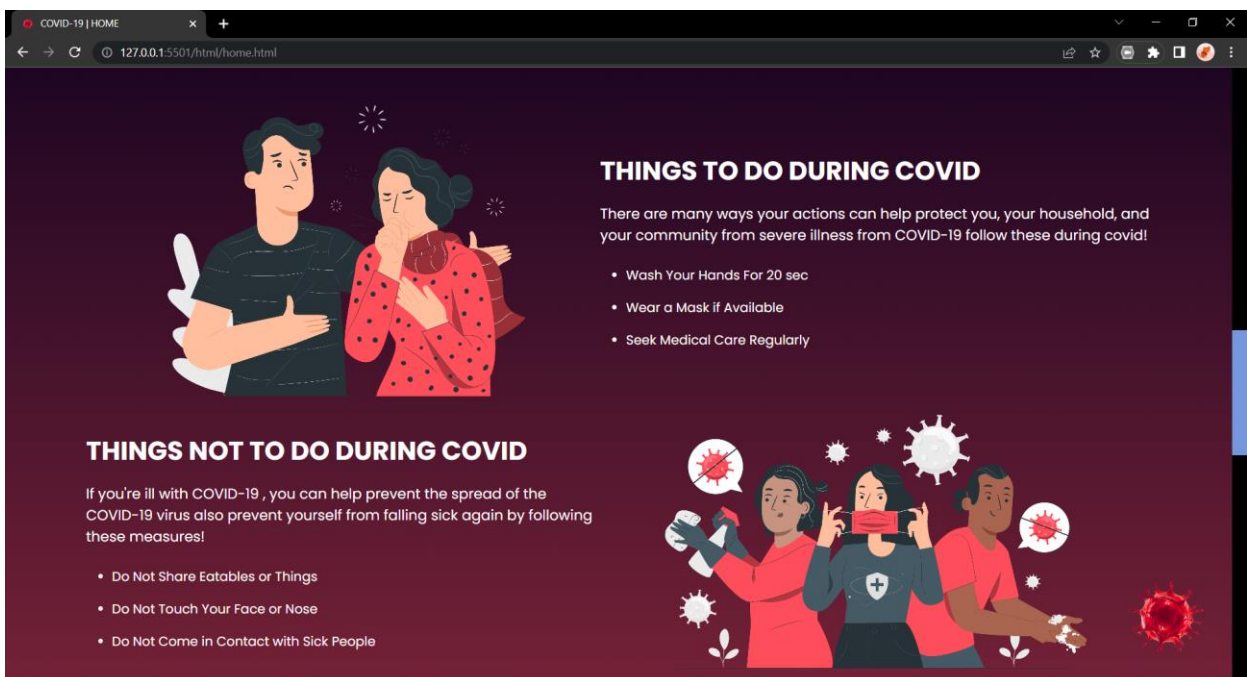
HOME WITH TABS MENU, LOGO + TEXT LINKED TO HOME AND EXPLORE NEWS WILL LEAD TO COVID PODCAST



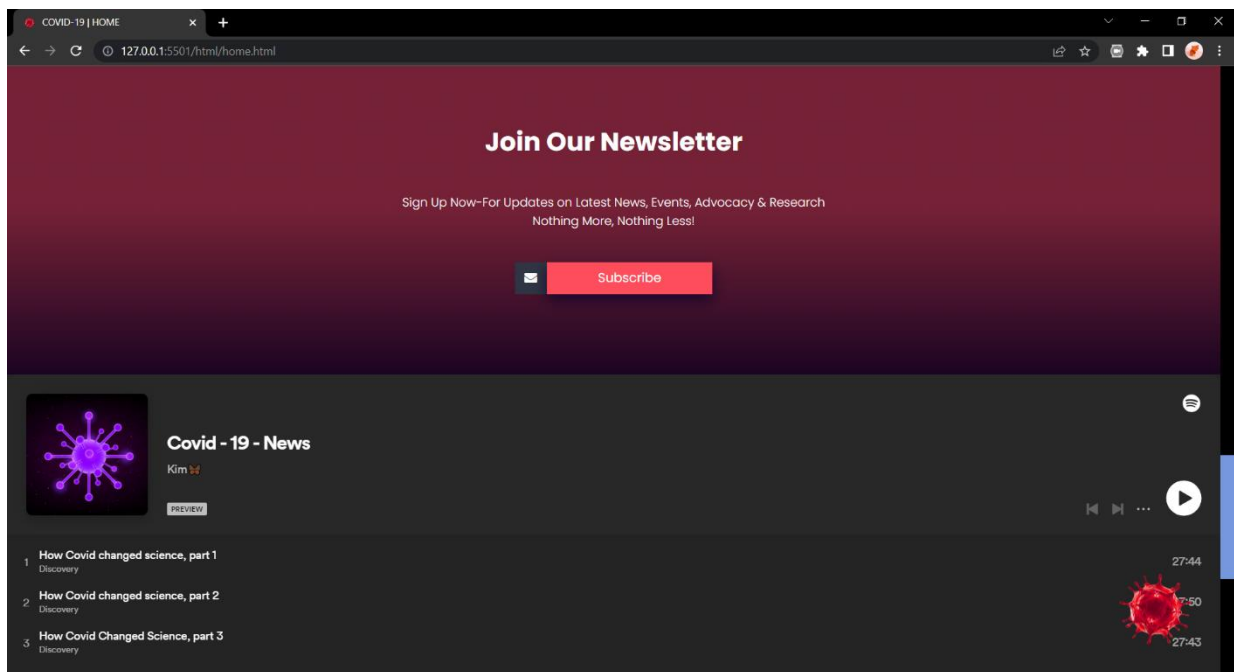
COVID NEWS PODCAST FROM SPOTIFY AUDIO PLAYER



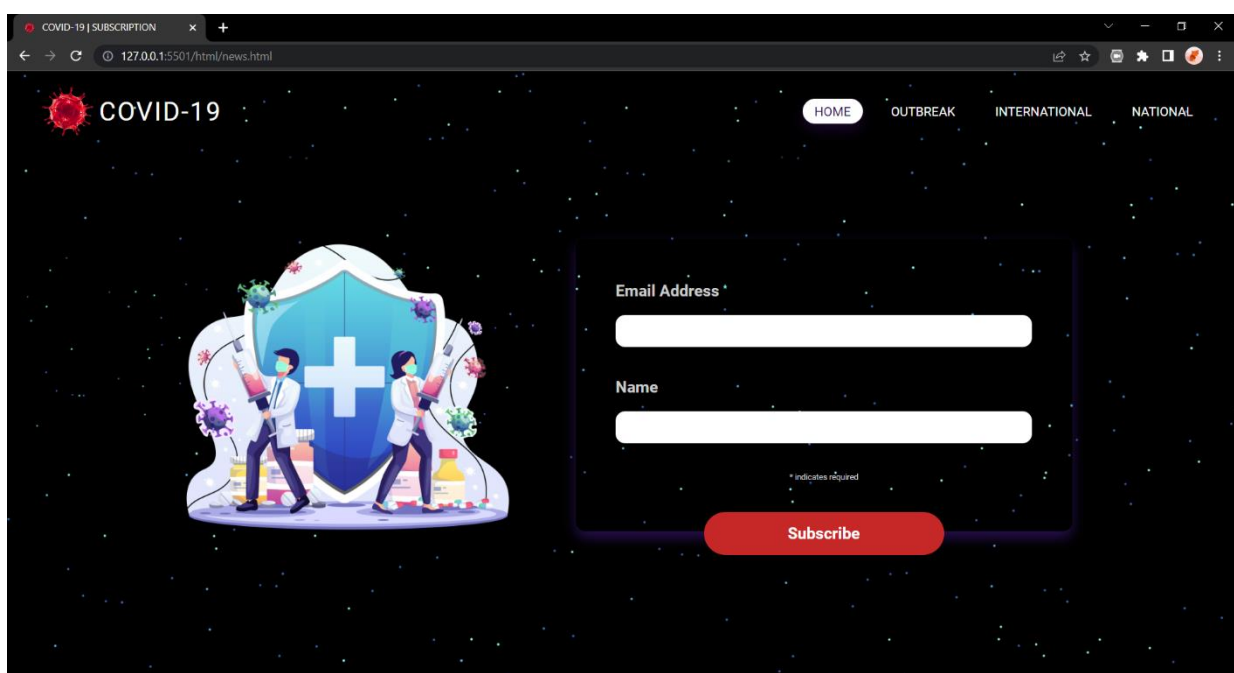
SYMPTOMS DETAILS WITH KNOW MORE BUTTON LEADING TO NEXT SECTION



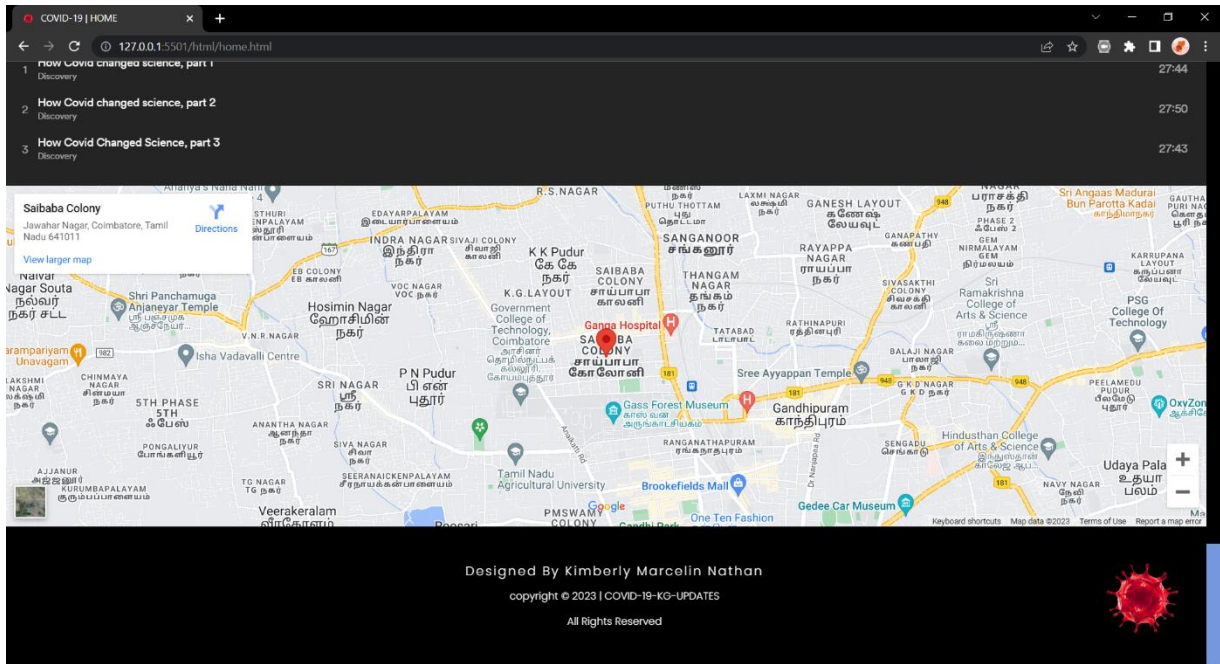
DOS AND DON'TS DETAILS



SUBSCRIPTION BUTTON NAVIGATES TO NEWSLETTER SUBSCRIPTION PAGE



VALIDATED SUBSCRIPTION PAGE

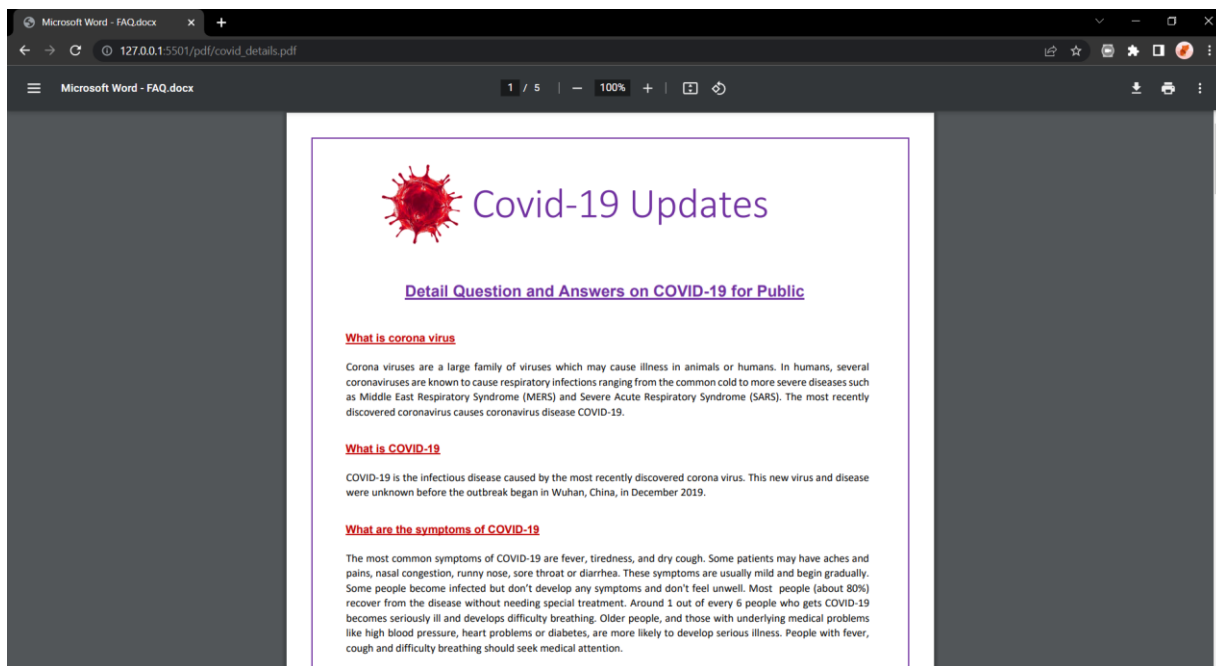


OUTBREAK PAGE WITH LEARN MORE BUTTON TO VIEW PDF AND DOWNLOAD BUTTON TO DOWNLOAD PDF

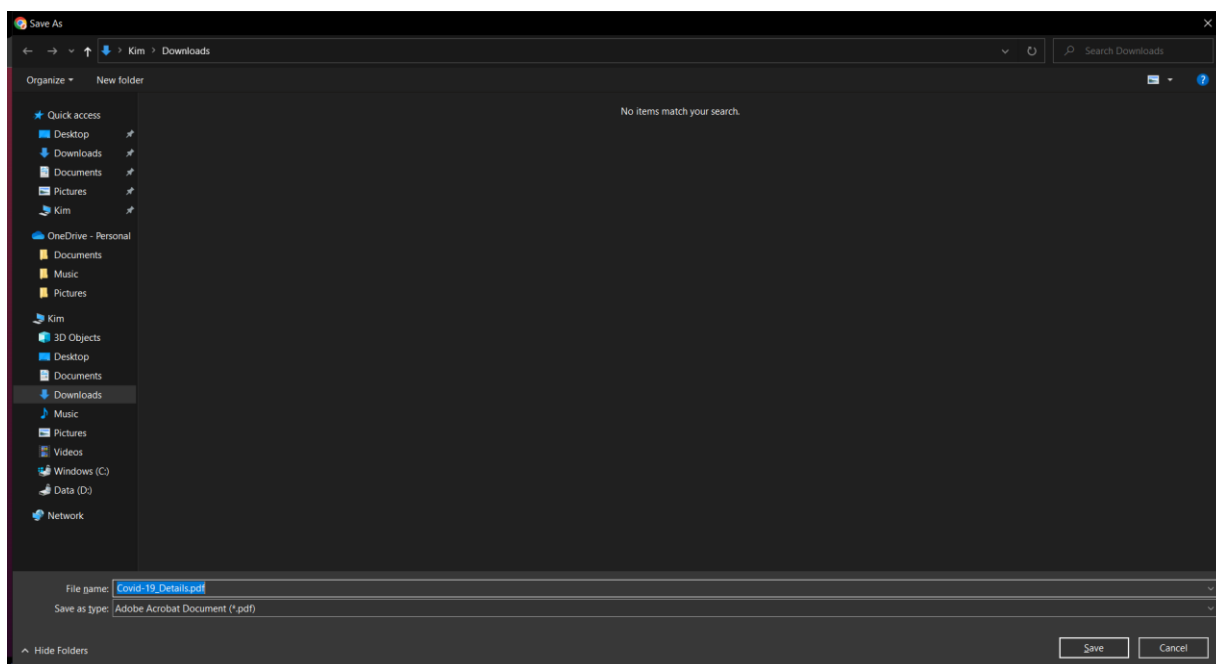


GEOLOCATION AND COPYRIGHT FOOTERS

Kimberly Marcelin Nathan & Genga



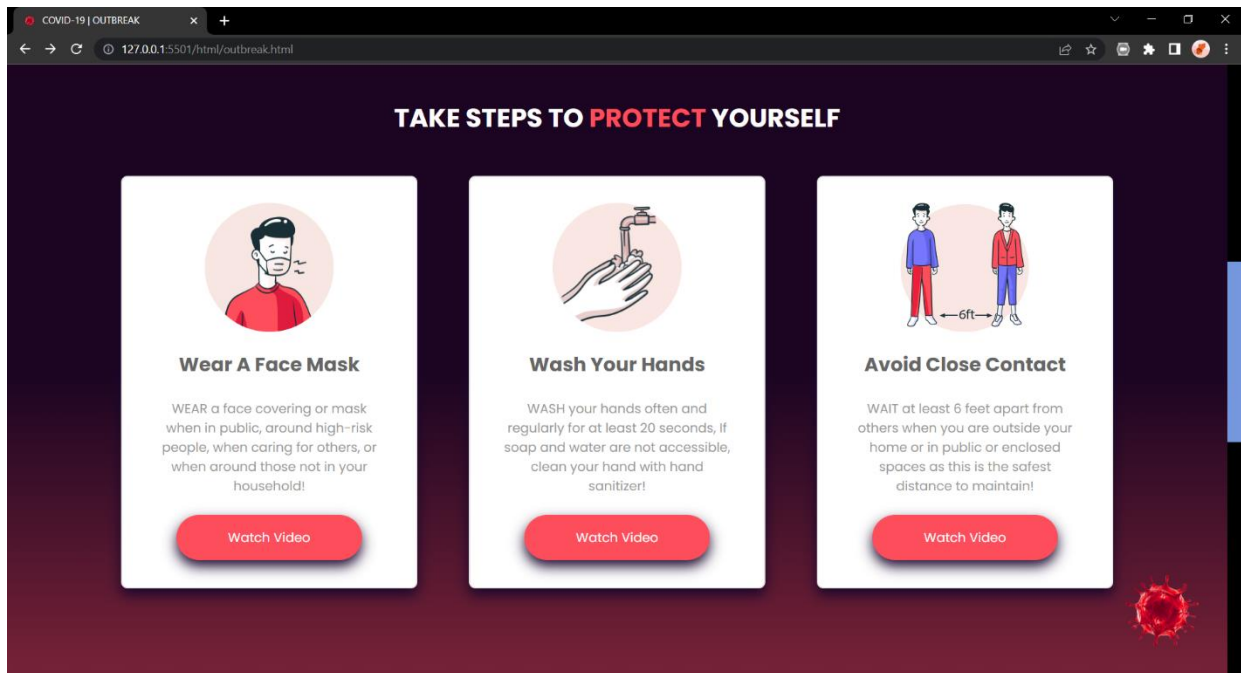
PDF ON VIEW SELECTION



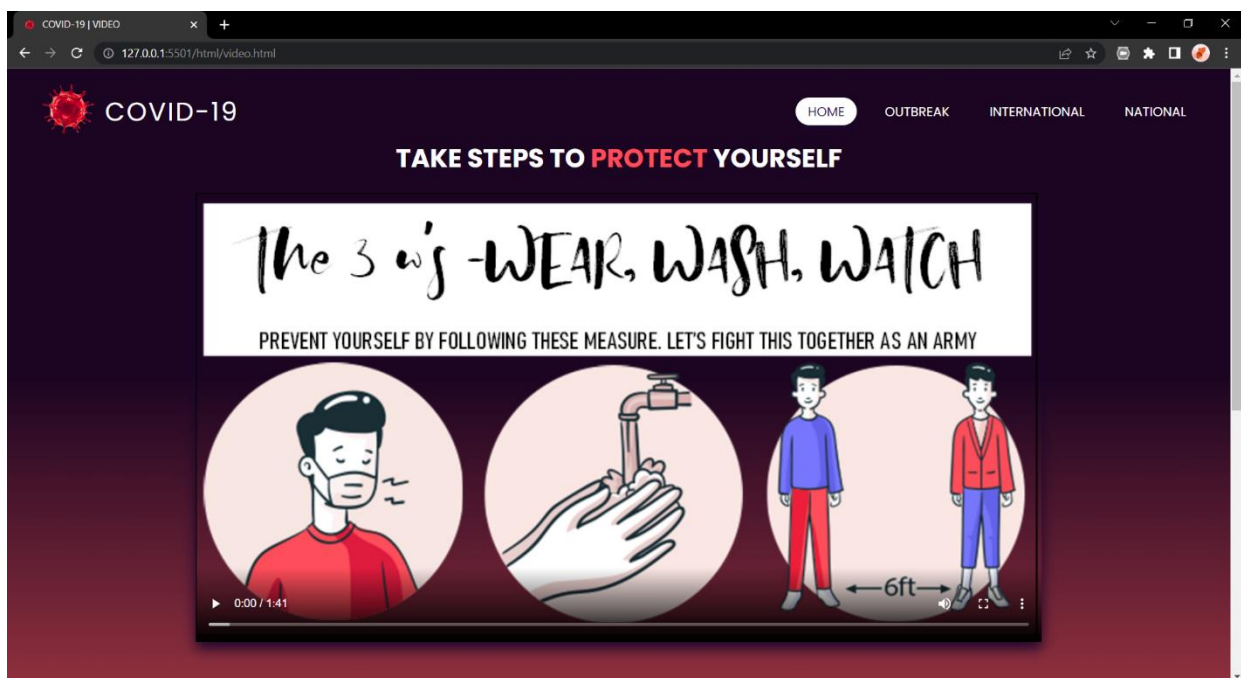
PDF ON DOWNLOAD



Covid – 19 Updates



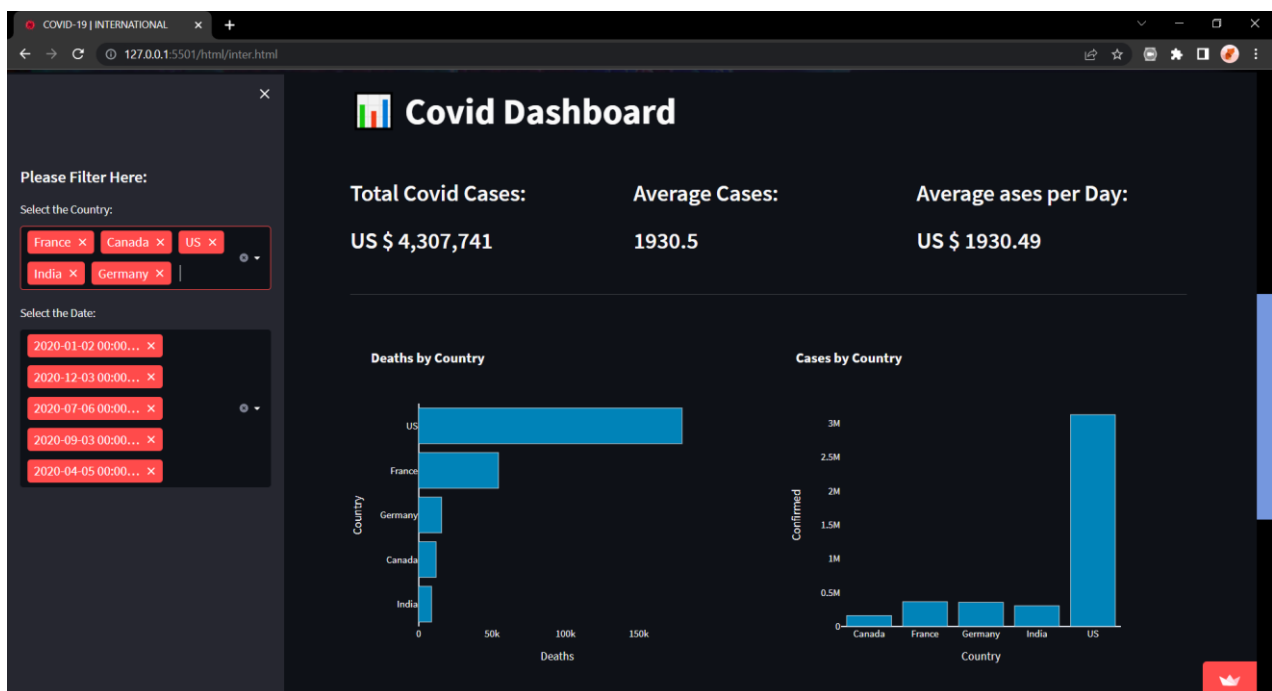
STEPS TO PROTECT ONESELF SECTION WITH WATCH VIDEO BUTTON LEADING TO VIDEO PAGE



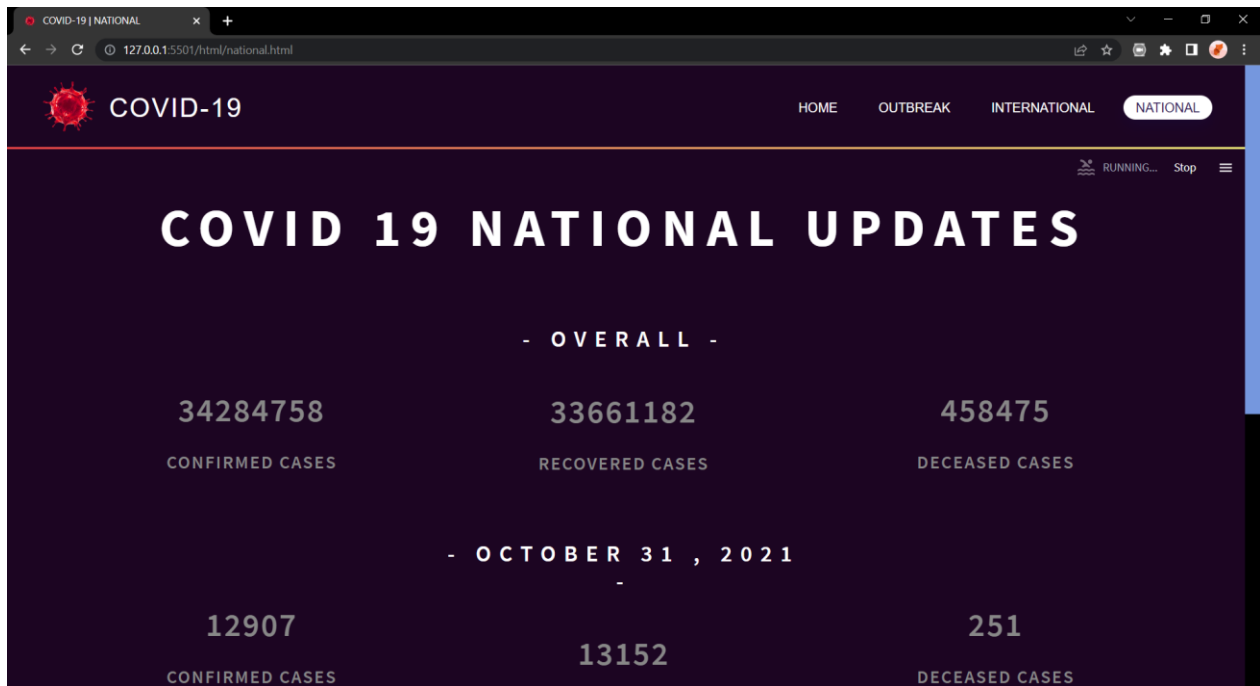
VIDEO PLAYER WITH PLAY/PAUSE, VOLUME, DOWNLOAD, FULL SCREEN, PICTURE IN PICTURE, PLAY BACK SPEED CTRLS



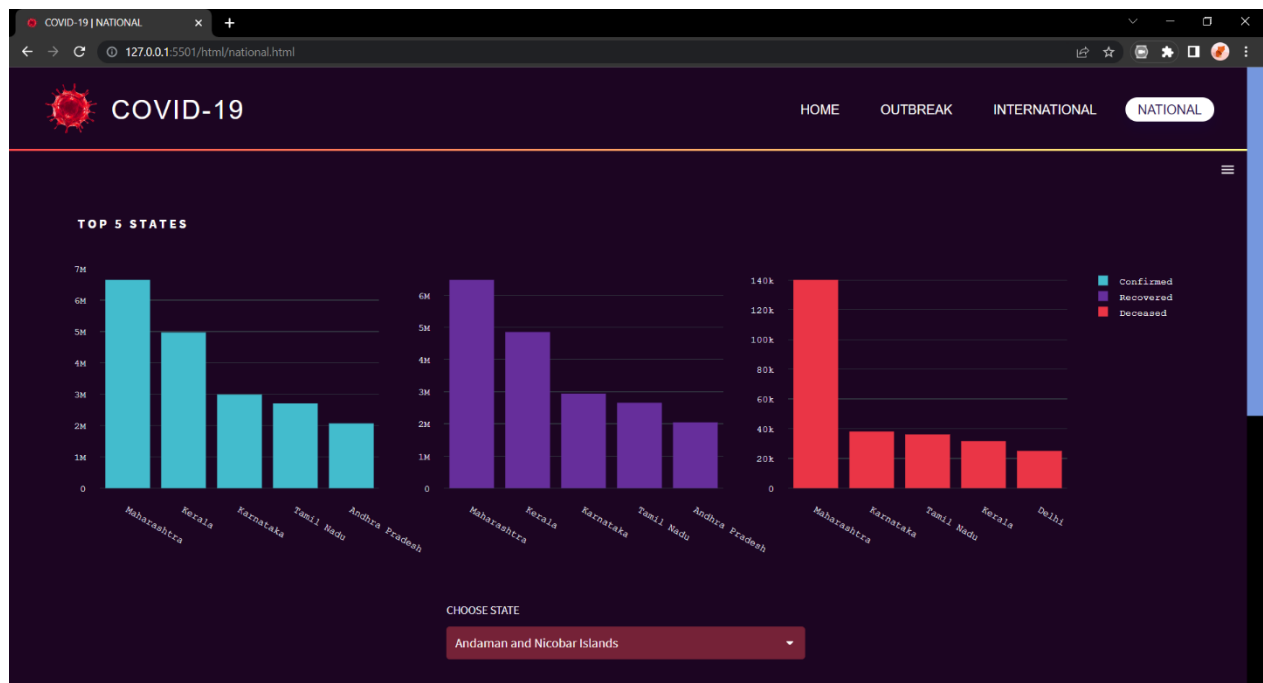
RESPONSIVE CHART USING API + IPGEO FOR COVID GLOBAL LEVEL DATA



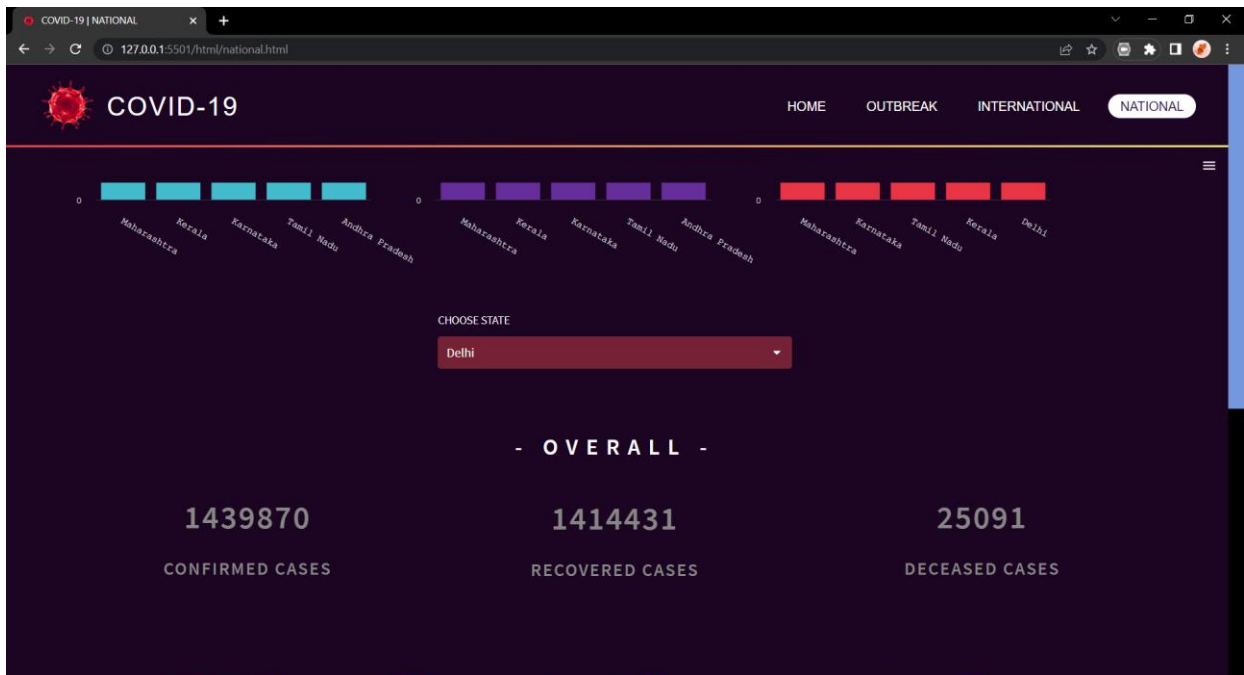
GLOBAL LEVEL COVID DASHBOARD BY IN STREAMLIT



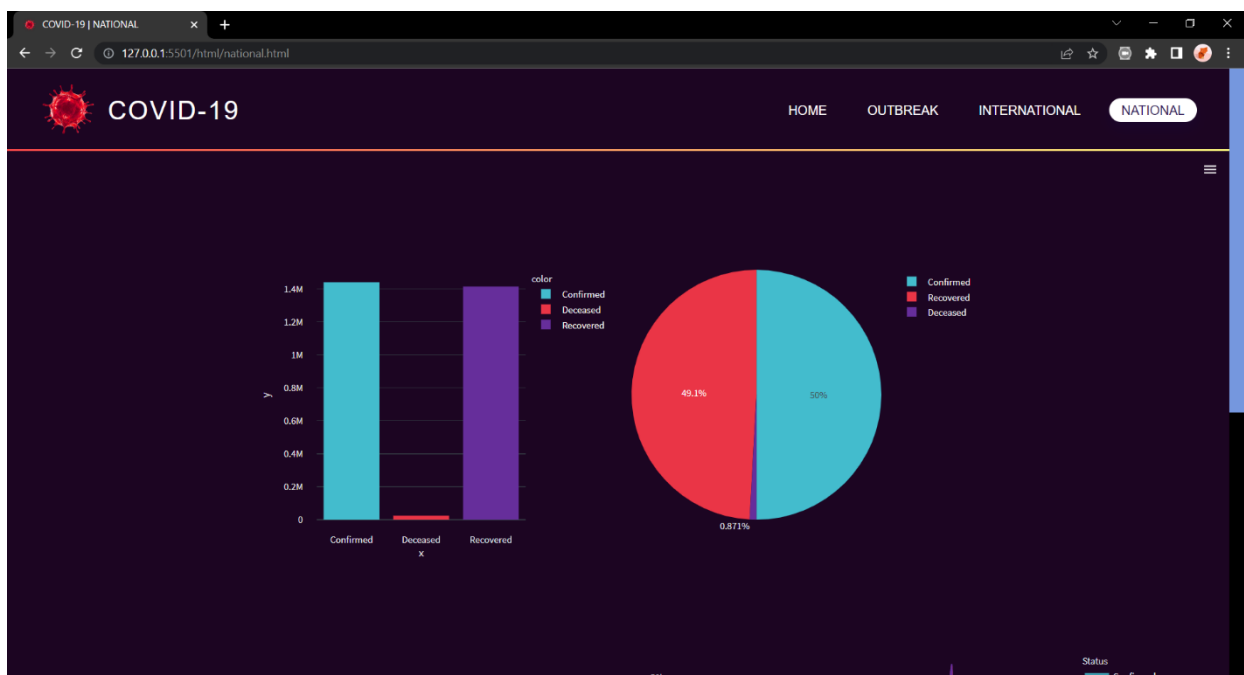
NATIONAL LEVEL COVID DASHBOARD WITH OVERALL AND INDIVIDUAL DISTRICT ANALYSIS



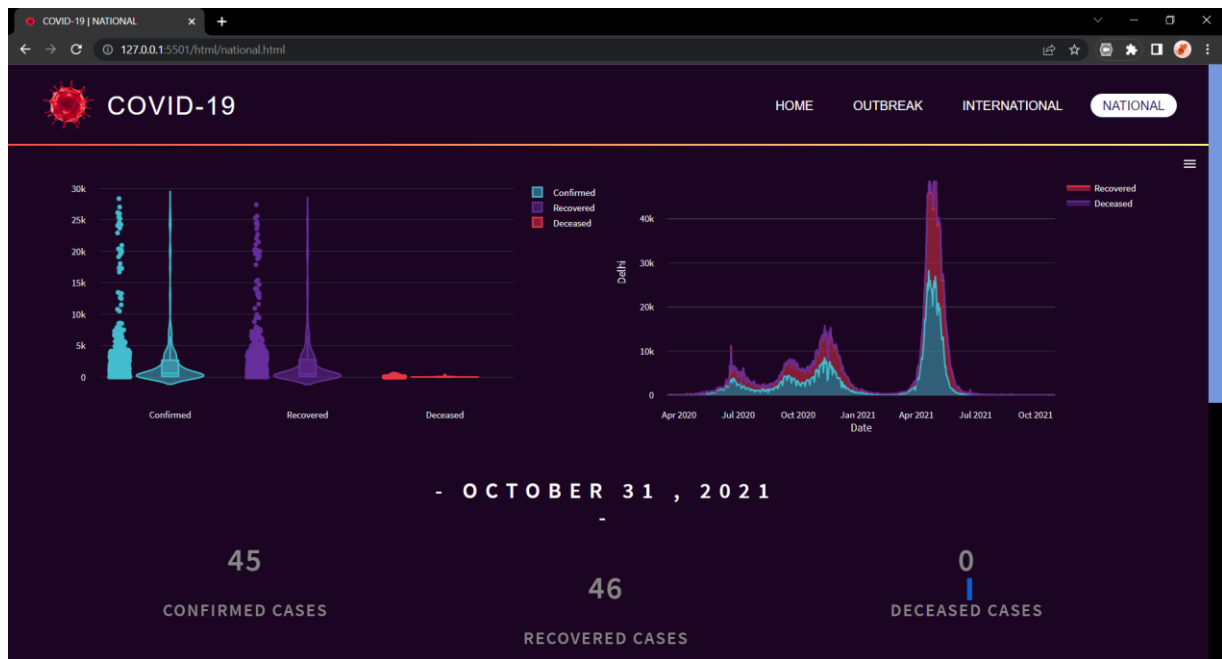
BAR PLOT FOR TOP 5 STATES MAXIMIZED CASES



INDIVIDUAL DISTRICT ANALYSIS



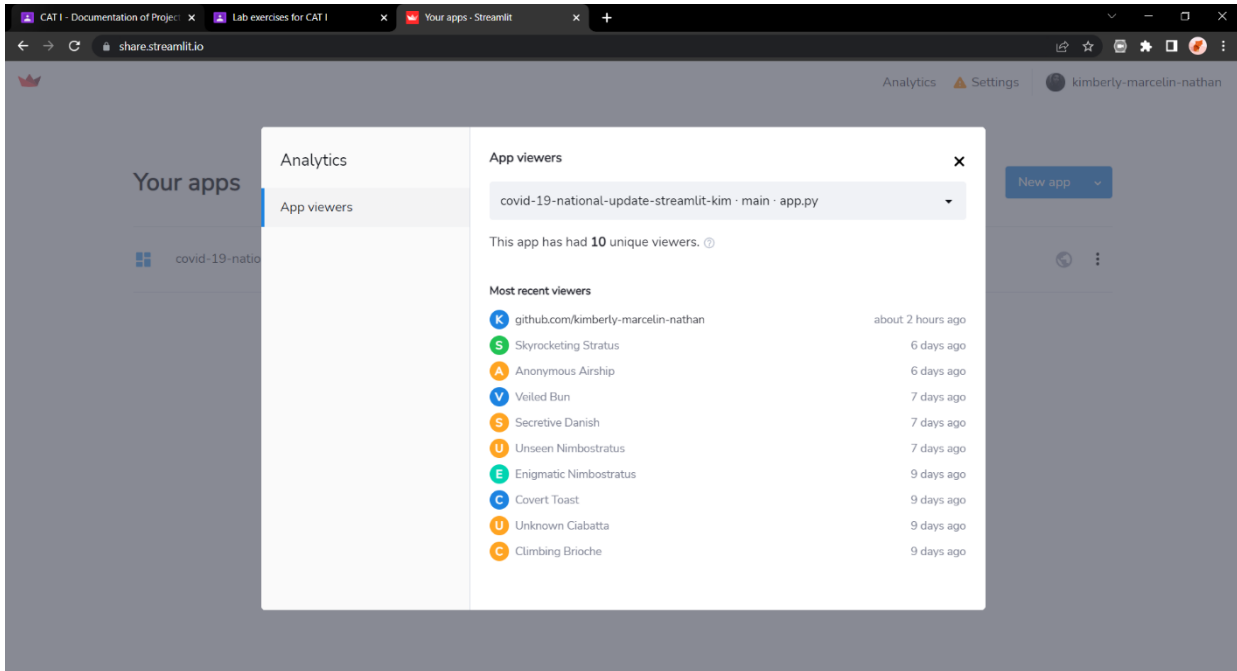
BAR PLOTS AND PIE CHARTS



BOX VIOLIN PLOTS AND SOLID FILL LINE GRAPHS



CURRENT DATE CASES VISUALIZED THROUGH BAR PLOTS AND PIE CHARTS



VIEWER ANALYTICS FROM STREAMLIT

Code:

INTER.HTML:

```
<!DOCTYPE HTML>
<HTML LANG="EN">
  <HEAD>

    <TITLE>COVID-19 | INTERNATIONAL</TITLE>
    <LINK REL="STYLESHEET" TYPE="TEXT/CSS" HREF="/CSS/INTER.CSS" />
    <LINK REL="ICON" TYPE="IMAGE/X-ICON" HREF="/IMAGES/RED.PNG">

  </HEAD>
  <BODY>
    <HEADER>
      <A HREF="HOME.HTML"> <IMG
SRC="/IMAGES/RED.PNG" STYLE="WIDTH:70PX;CURSOR:POINTER;POSITION:RELATIVE;MARGIN-LEFT:40PX"></A>
      <A HREF="HOME.HTML" CLASS="LOGO" STYLE="MARGIN-LEFT:-690PX">COVID-19</A>
      <!--SARS-CoV-2-->
      <UL STYLE="MARGIN-RIGHT:40PX">
        <LI><A HREF="/HTML/HOME.HTML">HOME</A></LI>
        <LI><A HREF="/HTML/OUTBREAK.HTML">OUTBREAK</A></LI>
```

Covid – 19 Updates

```
<LI><A HREF="/HTML/INTER.HTML" CLASS="ACTIVE">INTERNATIONAL</A></LI>
  <LI><A HREF="/HTML/NATIONAL.HTML" >NATIONAL</A></LI>
</UL>
</HEADER>
```

```
<MAIN>
<DIV CLASS="STATS">
  <DIV CLASS="LATEST-REPORT">
    <DIV CLASS="COUNTRY">
      <DIV CLASS="NAME">LOADING...</DIV>
      <DIV CLASS="CHANGE-COUNTRY">CHANGE</DIV>
      <DIV CLASS="SEARCH-COUNTRY HIDE">
        <DIV CLASS="SEARCH-BOX">
          <INPUT
            TYPE="TEXT"
            ID="SEARCH-INPUT"
            PLACEHOLDER="SEARCH COUNTRY..."
          />
          <IMG CLASS="CLOSE" SRC="/IMAGES/CLOSE.SVG" ALT="" />
        </DIV>
        <DIV CLASS="COUNTRY-LIST"></DIV>
      </DIV>
    </DIV>
  <DIV CLASS="TOTAL-CASES">
    <DIV CLASS="TITLE">TOTAL CASES</DIV>
    <DIV CLASS="VALUE">0</DIV>
    <DIV CLASS="NEW-VALUE">+0</DIV>
  </DIV>
  <DIV CLASS="RECOVERED">
    <DIV CLASS="TITLE">RECOVERED</DIV>
    <DIV CLASS="VALUE">0</DIV>
    <DIV CLASS="NEW-VALUE">+0</DIV>
  </DIV>
  <DIV CLASS="DEATHS">
    <DIV CLASS="TITLE">DEATHS</DIV>
    <DIV CLASS="VALUE">0</DIV>
    <DIV CLASS="NEW-VALUE">+0</DIV>
  </DIV>
</DIV>
<DIV CLASS="CHART">
  <CANVAS ID="AXES_LINE_CHART"></CANVAS>
</DIV>
```

Covid – 19 Updates

```
</DIV>
<DIV CLASS="DASHBOARD" STYLE="OVERFLOW-Y: HIDDEN;"><DIV CLASS="DASH_CANVAS">
  <IFRAME CLASS="DASH_IFRAME" WIDTH="100%" FRAMEBORDER="0" SCROLLING="NO" MARGINHEIGHT="0"
  MARGINWIDTH="0" SRC="HTTPS://GENGA28-COVID-DASH-BOARD.STREAMLIT.APP//?EMBEDDED=TRUE"
  NAME="DASHBOARD_COVID" SCROLLING="AUTO" WIDTH="100%" HEIGHT="100%"></IFRAME>
  <A HREF="HTTPS://PDFLIST.COM/" ALT="PDF">PDF</A>
</DIV>
<STYLE>.DASHBOARD{POSITION:RELATIVE;TEXT-ALIGN:RIGHT;WIDTH:100%;HEIGHT:760PX;}.DASH_CANVAS
{OVERFLOW:HIDDEN;BACKGROUND:BLACK!IMPORTANT;WIDTH:100%;HEIGHT:760PX;}.DASH_IFRAME
{HEIGHT:760PX!IMPORTANT;}</STYLE>
</DIV>
<DIV CLASS="MAPOUTER" STYLE="OVERFLOW-Y: HIDDEN;"><DIV CLASS="GMAP_CANVAS">
  <IFRAME CLASS="GMAP_IFRAME" WIDTH="100%" FRAMEBORDER="0" SCROLLING="NO" MARGINHEIGHT="0"
  MARGINWIDTH="0"
  SRC="HTTPS://MAPS.GOOGLE.COM/MAPS?WIDTH=1293&HEIGHT=1446&HL=EN&Q=SAIBABA
  COLONY, COIMBATORE&T=&Z=14&IE=UTF8&IWLOC=B&OUTPUT=EMBED">
  </IFRAME>
  <A HREF="HTTPS://PDFLIST.COM/" ALT="PDF">PDF</A>
</DIV>
<STYLE>.MAPOUTER{POSITION:RELATIVE;TEXT-ALIGN:RIGHT;WIDTH:100%;HEIGHT:430PX;}.GMAP_CANVAS
{OVERFLOW:HIDDEN;BACKGROUND:BLACK!IMPORTANT;WIDTH:100%;HEIGHT:1446PX;}.GMAP_IFRAME
{HEIGHT:430PX!IMPORTANT;}</STYLE>
</DIV>
<FOOTER>
<DIV CLASS="FOOTER_CONTENT" ID="FOOTER_CONTENT">
  <H3>DESIGNED BY KIMBERLY MARCELIN NATHAN</H3>
  <P>COPYRIGHT &COPY 2023 | COVID-19-KG-UPDATES <BR>ALL RIGHTS RESERVED</P>
</DIV>
</FOOTER>
</MAIN>
<!--<FOOTER>
<DIV CLASS="FOOTER-CONTAINER">
  <DIV CLASS="COPYRIGHT">
    <P>COPYRIGHT © COVID-19-KG-UPDATES </P>
  </DIV>
</DIV>
</FOOTER>-->
<!--<SCRIPT
```


Covid – 19 Updates

```
SRC="HTTPS://CDNJS.CLOUDFLARE.COM/AJAX/LIBS/CHART.JS/2.9.3/CHART.MIN.JS"
  INTEGRITY="SHA256-R4PQC0YV8LT7SNXMQO/HSbVCFRPMDRHAFMH+VR9GIYI="
  CROSSORIGIN="ANONYMOUS"
></SCRIPT>-->
<SCRIPT SRC="HTTPS://CDNJS.CLOUDFLARE.COM/AJAX/LIBS/CHART.JS/2.9.4/CHART.MIN.JS"
INTEGRITY="SHA512-
D9XGZrVZPMMQLFONHQUVTR7LMPT07NkZMKA0ABN3PHCBKA5NQYLQ/YWLFAYY6HYGDF1QH6NYIUADWWK
B4C2WSW==" CROSSORIGIN="ANONYMOUS" REFERRERPOLICY="NO-REFERRER"></SCRIPT> <SCRIPT
LANGUAGE="JAVASCRIPT" SRC="HTTP://WWW.GEOPLUGIN.NET/JAVASCRIPT.GP"
TYPE="TEXT/JAVASCRIPT"></SCRIPT>

<SCRIPT SRC="/JS/COUNTRIES.JS"></SCRIPT>
<SCRIPT SRC="/JS/APP.JS"></SCRIPT>
</BODY>
</HTML>
```

INTER.CSS:

```
/* ----- */
/*      HEADER      */
/* ----- */
```

```
@IMPORT
URL('HTTPS://FONTS.GOOGLEAPIS.COM/CSS?FAMILY=POPPINS:300,400,500,600,700,800,900&DISPLAY=SWAP');
*
{
  MARGIN:0;
  PADDING:0;
  BOX-SIZING:BORDER-BOX;
  FONT-FAMILY: 'POPPINS', SANS-SERIF;
  SCROLL-BEHAVIOR: SMOOTH;
}
BODY
{
  MIN-HEIGHT: 100vh;

  OVERFLOW-X: HIDDEN;
}
HTML{
  FONT-SIZE: 16px;
}
.HIDE{
  DISPLAY: NONE;
```

Covid – 19 Updates

```
}  
.FADEIN{  
  ANIMATION: FADE 0.5S EASE-IN-OUT;  
}  
@KEYFRAMES FADE{  
  0%{  
    OPACITY: 0;  
  }  
  100%{  
    OPACITY: 1;  
  }  
}  
.SCROLL-TOP{  
  POSITION: FIXED;  
  BOTTOM:30PX; RIGHT:2REM;  
  Z-INDEX: 10000;  
  DISPLAY: NONE;  
  SCROLL-BEHAVIOR: SMOOTH;  
}  
  
.SCROLL-TOP IMG{  
  HEIGHT: 7REM;  
}  
  
HTML::-WEBKIT-SCROLLBAR{  
  WIDTH:1.3REM;  
}  
  
HTML::-WEBKIT-SCROLLBAR-TRACK{  
  BACKGROUND: #000;  
}  
  
HTML::-WEBKIT-SCROLLBAR-THUMB{  
  BACKGROUND: #7597DE;  
}  
HEADER  
{  
  POSITION: ABSOLUTE;  
  MARGIN-TOP: 15PX;  
  TOP: 0;  
  LEFT: 0;  
  WIDTH: 100%;  
  PADDING: 30PX 100PS;
```

Covid – 19 Updates

```
DISPLAY: FLEX;
  JUSTIFY-CONTENT: SPACE-BETWEEN;
  ALIGN-ITEMS: CENTER;
  Z-INDEX: 10000;
}
.LOGO
{
  COLOR: #FFFFFF;
  FONT-WEIGHT: 400;
  TEXT-DECORATION: NONE;
  FONT-SIZE: 2EM;
  TEXT-TRANSFORM: UPPERCASE;
  LETTER-SPACING: 2PX;
}
HEADER UL
{
  DISPLAY: FLEX;
  JUSTIFY-CONTENT: CENTER;
  ALIGN-ITEMS: CENTER;
}
HEADER UL LI
{
  LIST-STYLE: NONE;
  MARGIN-LEFT: 20PX;
}
HEADER UL LI A
{
  TEXT-DECORATION: NONE;
  PADDING: 6PX 15PX;
  COLOR: #FFFFFF;
  BORDER-RADIUS: 20PX;
}
HEADER UL LI A:HOVER,
HEADER UL LI A.ACTIVE
{
  BACKGROUND: WHITE;
  BOX-SHADOW: 0 .5REM 1REM RGB(26 6 45);
  COLOR: #2B1055;
}

/* ----- LOGO ----- */
.LOGO{
  DISPLAY: FLEX;
```

Covid – 19 Updates

```
ALIGN-ITEMS: CENTER;
PADDING-LEFT: 20PX;
}
.LOGO IMG{
  WIDTH: 60PX;
}
.LOGO P {
  FONT-WEIGHT: BOLD;
  COLOR: #6A149B;
}
/* ----- NAV ----- */

NAV UL{
  DISPLAY: FLEX;
  ALIGN-ITEMS: CENTER;
}
NAV UL LI{
  LIST-STYLE: NONE;
}
NAV UL LI:LAST-CHILD{
  PADDING-RIGHT: 20PX;
}
NAV UL LI A {
  TEXT-DECORATION: NONE;
  COLOR: #6A149B;
  PADDING: 10PX;
}
/* ----- MAIN ----- */
/*          MAIN          */
/* ----- BG IMAGE ----- */
.MAIN{
  /*MAX-WIDTH: 1200PX;*/
  MARGIN: 0 AUTO;
}
/* ----- BG IMAGE ----- */
.STATS{
  WIDTH: 100%;
  HEIGHT: 763PX;
  BACKGROUND-IMAGE: LINEAR-GRADIENT(#4C0077, RGB(0 0 0 / 85%)) ,URL('/IMAGES/BG.JPG');
  BACKGROUND-SIZE: COVER;
}
/* ----- LATEST REPORT ----- */
```




Covid – 19 Updates

```
.LATEST-REPORT{
  DISPLAY: FLEX;
  JUSTIFY-CONTENT: SPACE-BETWEEN;
  ALIGN-ITEMS: CENTER;

  WIDTH: 80%;
  MARGIN: 0 AUTO;
  PADDING-TOP: 110px;

  COLOR: #FFF;
}

.COUNTRY,
.TOTAL-CASES,
.RECOVERED,
.DEATHS{
  HEIGHT: 100px;
}

.NAME{
  FONT-SIZE: 2.2em;
  COLOR: #BE64F1;
  FONT-WEIGHT: BOLD;
}

.CHANGE-COUNTRY{
  CURSOR: POINTER;
}

.TITLE{
  FONT-SIZE: 1em;
}

.TOTAL-CASES .VALUE{
  FONT-SIZE: 1em;
  FONT-WEIGHT: BOLD;
}

.RECOVERED .VALUE{
  FONT-SIZE: 1em;
  FONT-WEIGHT: BOLD;
  COLOR: #009688;
}

.DEATHS .VALUE{
```

Covid – 19 Updates

```
FONT-SIZE: 1EM;  
  FONT-WEIGHT: BOLD;  
  COLOR: #F44336;  
}  
.NEW-VALUE{  
  FONT-SIZE: 1.3EM;  
}  
/* ----- CHART ----- */  
.CHART{  
  WIDTH: 95%;  
  HEIGHT: 70VH;  
  MIN-HEIGHT: 500PX;  
  BOX-SHADOW: 0 0.1REM 2REM RGB(82 81 144);  
  
  MARGIN: 0 AUTO;  
  PADDING: 50PX 0;  
}  
/* ----- SEARCH COUNTRY ----- */  
.SEARCH-COUNTRY{  
  POSITION: RELATIVE;  
  TOP: 10PX;  
}  
.SEARCH-BOX{  
  POSITION: ABSOLUTE;  
  
  DISPLAY: FLEX;  
  ALIGN-ITEMS: CENTER;  
  JUSTIFY-CONTENT: SPACE-BETWEEN;  
  
  WIDTH: 400PX;  
  HEIGHT: 30PX;  
  
  BACKGROUND-COLOR: #111;  
  
  Z-INDEX: 1;  
}  
.SEARCH-BOX INPUT{  
  WIDTH: 360PX;  
  HEIGHT: 25PX;  
  
  BORDER: NONE;
```

Covid – 19 Updates

```
BACKGROUND-COLOR: TRANSPARENT;
COLOR: #FFF;

PADDING-LEFT: 15PX;

FONT-SIZE: 1.1EM;
}
.SEARCH-BOX IMG{
  WIDTH: 20PX;
  PADDING-RIGHT: 5PX;
  CURSOR: POINTER;
}

.COUNTRY-LIST{
  DISPLAY: FLEX;

  POSITION: ABSOLUTE;
  TOP: 30PX;

  WIDTH: 400PX;
  HEIGHT: 300PX;

  BACKGROUND-COLOR: #111;
  OPACITY: 0.9;

  OVERFLOW-Y: SCROLL;
}

.COUNTRY-LIST UL{
  WIDTH: 100%;
}

.COUNTRY-LIST UL LI{
  LIST-STYLE: NONE;
  CURSOR: POINTER;
  PADDING: 10PX;
  COLOR: #FFF;
}

.COUNTRY-LIST UL LI:HOVER{
  BORDER-LEFT: 1PX SOLID #FFF;
}

/* SCROLL BAR */
.COUNTRY-LIST::-WEBKIT-SCROLLBAR {
```

Covid – 19 Updates

```
WIDTH: 10px;
}

/* TRACK */
.COUNTRY-LIST::-WEBKIT-SCROLLBAR-TRACK {
  BACKGROUND: #111;
}

/* HANDLE */
.COUNTRY-LIST::-WEBKIT-SCROLLBAR-THUMB {
  BACKGROUND: #F1F1F1;
}

/* HANDLE ON HOVER */
.COUNTRY-LIST::-WEBKIT-SCROLLBAR-THUMB:HOVER {
  BACKGROUND: #FFF;
}
}
/* ----- */
/*          FOOTER          */
/* ----- */
FOOTER{
  /* MAX-WIDTH: 1200px;*/
  HEIGHT: 60px;

  MARGIN: 0 AUTO;
  BACKGROUND-COLOR: #000000;
}

.FOOTER-CONTAINER{
  HEIGHT: 100%;
  DISPLAY: FLEX;
  JUSTIFY-CONTENT: CENTER;
}

.COPYRIGHT{
  HEIGHT: 100%;
  DISPLAY: FLEX;
  FLEX-DIRECTION: COLUMN;
  JUSTIFY-CONTENT: CENTER;
}

.COPYRIGHT P{
```


Covid – 19 Updates

```
COLOR: #FFF;
}
/* ----- */
/*      SCREEN WIDTH < 600PX      */
/* ----- */
FOOTER{
  OVERFLOW-Y: HIDDEN;
  POSITION: FLEX;
  BOTTOM: 0;
  LEFT: 0;
  RIGHT: 0;
  BACKGROUND: BLACK;
  HEIGHT: AUTO;
  WIDTH: 100VW;
  PADDING-TOP: 40PX;
  PADDING-BOTTOM: 40PX;
  COLOR: #FFF;
}
.FOOTER_CONTENT{
  OVERFLOW-Y: HIDDEN;
  DISPLAY: FLEX;
  ALIGN-ITEMS: CENTER;
  JUSTIFY-CONTENT: CENTER;
  FLEX-DIRECTION: COLUMN;
  TEXT-ALIGN: CENTER;
}
.FOOTER_CONTENT H3{
  FONT-SIZE: 1REM;
  FONT-WEIGHT: LIGHTER;
  LETTER-SPACING: 2PX;
  TEXT-TRANSFORM: CAPITALIZE;
  LINE-HEIGHT: 2REM;
}
.FOOTER_CONTENT P{
  FONT-SIZE: 13PX;
  FONT-WEIGHT: LIGHTER;

  LINE-HEIGHT: 2REM;
}
```

Covid – 19 Updates

APP.JS:

// SELECT ALL ELEMENTS

```
CONST COUNTRY_NAME_ELEMENT = DOCUMENT.QUERYSELECTOR(".COUNTRY .NAME");
CONST TOTAL_CASES_ELEMENT = DOCUMENT.QUERYSELECTOR(".TOTAL-CASES .VALUE");
CONST NEW_CASES_ELEMENT = DOCUMENT.QUERYSELECTOR(".TOTAL-CASES .NEW-VALUE");
CONST RECOVERED_ELEMENT = DOCUMENT.QUERYSELECTOR(".RECOVERED .VALUE");
CONST NEW_RECOVERED_ELEMENT = DOCUMENT.QUERYSELECTOR(".RECOVERED .NEW-VALUE");
CONST DEATHS_ELEMENT = DOCUMENT.QUERYSELECTOR(".DEATHS .VALUE");
CONST NEW_DEATHS_ELEMENT = DOCUMENT.QUERYSELECTOR(".DEATHS .NEW-VALUE");
```

```
CONST CTX = DOCUMENT.GETELEMENTBYID("AXES_LINE_CHART").GETCONTEXT("2D");
```

// APP VARIABLES

```
LET APP_DATA = [],
    CASES_LIST = [],
    RECOVERED_LIST = [],
    DEATHS_LIST = [],
    DATES = [],
    FORMATEDDATES = [];
```

```
/*FETCH(`HTTPS://COVID19-MONITOR-
PRO.P.RAPIDAPI.COM/CORONAVIRUS/CASES_BY_DAYS_BY_COUNTRY.PHP?COUNTRY=COUNTRY`, {
    "METHOD": "GET",
    "HEADERS": {
        "X-RAPIDAPI-HOST": "COVID19-MONITOR-
PRO.P.RAPIDAPI.COM",
        "X-RAPIDAPI-KEY":
"7E269EC140MSH8A5DF9CFC21B4B4P1C1E3EJSN9ABA26AFC6E0"
    }
})
*/
```

/*// GET USERS COUNTRY CODE

```
LET COUNTRY_CODE = GEOPLUGIN_COUNTRYCODE();
LET USER_COUNTRY;
COUNTRY_LIST.FOREACH((COUNTRY) => {
    IF (COUNTRY.CODE == COUNTRY_CODE) {
        USER_COUNTRY = COUNTRY.NAME;
    }
});
```

Covid – 19 Updates



```
/* ----- */
/*          FETCH API          */
/* ----- */
/*FUNCTION FETCHDATA(USER_COUNTRY) {
  COUNTRY_NAME_ELEMENT.INNERHTML="LOADING...";
  CASES_LIST=[], DEATHS_LIST=[], DATES=[];
  FETCH(`HTTPS://COVID19-MONITOR-
PRO.P.RAPIDAPI.COM/CORONAVIRUS/CASES_BY_DAYS_BY_COUNTRY.PHP?COUNTRY=${USER_COUNTRY}`,{
  "METHOD": "GET",

                                "HEADERS": {
                                  "X-RAPIDAPI-HOST": "COVID19-MONITOR-
PRO.P.RAPIDAPI.COM",
                                "X-RAPIDAPI-KEY":
"7E269EC140MSH8A5DF9CFC21B4B4P1C1E3EJSN9ABA26AFC6E0"
                                }
  }).THEN(RESPONSE => {

    RETURN RESPONSE.JSON();
  })
  .THEN(DATA=>{
    DATES=OBJECT.KEYS(DATA);
    DATES.FOREACH(DATA=>{
      LET DATA=DATA[DATE];
      FORMATEDDATES.PUSH(FORMATDATE(DATE));
      APP_DATA.PUSH(DATA);
      CASES_LIST.PUSH(PARSEINT(DATA.TOTAL_CASES.REPLACE(/,/G, "")));
      RECOVERED_LIST.PUSH(PARSEINT(DATA.TOTAL_RECOVERED.REPLACE(/,/G, "")));
      DEATHS_LIST.PUSH(PARSEINT(DATA.TOTAL_DEATHS.REPLACE(/,/G, "")));

    })
  })
  .THEN(()=>{
    UPDATEDUI

  })
  .CATCH(ERROR=>{
    ALERT(ERROR);
  })
}

FETCHDATA(USER_COUNTRY);
```

Covid – 19 Updates

```
// UPDATE UI FUNCTION
```

```
FUNCTION UPDATEUI() {  
  UPDATESTATS();  
  //AXESLINEARCHART();  
}
```

```
FUNCTION UPDATESTATS() {
```

```
  LET LAST_ENTRY=APP_DATA[APP_DATA.LENGTH - 1];  
  LET BEFORE_LAST_ENTRY=APP_DATA[APP_DATA.LENGTH - 2];
```

```
  COUNTRY_NAME_ELEMENT.INNERHTML = LAST_ENTRY.COUNTRY_NAME;
```

```
  TOTAL_CASES_ELEMENT.INNERHTML = LAST_ENTRY.TOTAL_CASES || 0;  
  NEW_CASES_ELEMENT.INNERHTML = `+${LAST_ENTRY.NEW_CASES || 0}`;
```

```
  RECOVERED_ELEMENT.INNERHTML = LAST_ENTRY.TOTAL_RECOVERED || 0;  
  NEW_RECOVERED_ELEMENT.INNERHTML = `+${parseInt(LAST_ENTRY.TOTAL_RECOVERED.REPLACE(/,/G,""))  
  - parseInt(BEFORE_LAST_ENTRY.TOTAL_RECOVERED.REPLACE(/,/G,""))}`;
```

```
  DEATHS_ELEMENT.INNERHTML = LAST_ENTRY.TOTAL_DEATHS;  
  NEW_DEATHS_ELEMENT.INNERHTML = `+${LAST_ENTRY.NEW_DEATHS || 0}`;
```

```
  // FORMAT DATES  
  DATES.FOREACH((DATE) => {  
    FORMATEDDATES.PUSH(FORMATDATE(DATE));  
  });  
}
```

```
// UPDATE CHART
```

```
LET MY_CHART;  
FUNCTION AXESLINEARCHART() {  
  IF (MY_CHART) {  
    MY_CHART.DESTROY();  
  }
```

```
  MY_CHART = NEW CHART(CTX, {  
    TYPE: "LINE",  
    DATA: {  
      DATASETS: [  
        {  
          LABEL: "CASES",  
          DATA: CASES_LIST,  
          FILL: FALSE,
```

Covid – 19 Updates



```
BORDERCOLOR: "#FFF",
  BACKGROUNDCOLOR: "#FFF",
  BORDERWIDTH: 0.5,
},
{
  LABEL: "RECOVERED",
  DATA: RECOVERED_LIST,
  FILL: FALSE,
  BORDERCOLOR: "#009688",
  BACKGROUNDCOLOR: "#009688",
  BORDERWIDTH: 0.5,
},
{
  LABEL: "DEATHS",
  DATA: DEATHS_LIST,
  FILL: FALSE,
  BORDERCOLOR: "#F44336",
  BACKGROUNDCOLOR: "#F44336",
  BORDERWIDTH: 0.5,
},
],
LABELS: FORMATEDDATES,
},
OPTIONS: {
  RESPONSIVE: TRUE,
  MAINTAINASPECTRATIO: FALSE,
},
});
}
```

```
// FORMAT DATES
CONST MONTHSNAMES = [
  "JAN",
  "FEB",
  "MAR",
  "APR",
  "MAY",
  "JUN",
  "JUL",
  "AUG",
  "SEP",
  "OCT",
  "NOV",
```


Covid – 19 Updates

```
"DEC",
];

FUNCTION FORMATDATE(DATESTRING) {
    LET DATE = NEW DATE(DATESTRING);

    RETURN `${DATE.GETDATE()} ${MONTHSNAMES[DATE.GETMONTH()]}`;
}
/* ----- */
/*      API URL AND KEY      */
/* ----- */
/*
FETCH(`HTTPS://COVID19-MONITOR-
PRO.P.RAPIDAPI.COM/CORONAVIRUS/CASES_BY_DAYS_BY_COUNTRY.PHP?COUNTRY=COUNTRY`, {
    "METHOD": "GET",
    "HEADERS": {
        "X-RAPIDAPI-HOST": "COVID19-MONITOR-
PRO.P.RAPIDAPI.COM",
        "X-RAPIDAPI-KEY":
"7E269EC140MSH8A5DF9CFC21B4B4P1C1E3EJSN9ABA26AFC6E0"
    }
})

*/

// GET USERS COUNTRY CODE
FETCH("HTTPS://API.IPGELOCATION.IO/IPGEO?APIKEY=14C7928D2AEF416287E034EE91CD360D")
    .THEN((RES) => {
        RETURN RES.JSON();
    })
    .THEN((DATA) => {
        LET COUNTRY_CODE = DATA.COUNTRY_CODE2;
        LET USER_COUNTRY;
        COUNTRY_LIST.FOREACH((COUNTRY) => {
            IF (COUNTRY.CODE == COUNTRY_CODE) {
                USER_COUNTRY = COUNTRY.NAME;
            }
        });
        FETCHDATA(USER_COUNTRY);
    });
```

Covid – 19 Updates

```
/* ----- */
/*      FETCH API      */
/* ----- */
FUNCTION FETCHDATA(COUNTRY) {
  USER_COUNTRY = COUNTRY;
  COUNTRY_NAME_ELEMENT.INNERHTML = "LOADING...";

  (CASES_LIST = []),
  (RECOVERED_LIST = []),
  (DEATHS_LIST = []),
  (DATES = []),
  (FORMATEDDATES = []);

  VAR REQUESTOPTIONS = {
    METHOD: "GET",
    REDIRECT: "FOLLOW",
  };
  /*HTTPS://API.COVID19API.COM/SUMMARY*/

  CONST API_FETCH = ASYNC (COUNTRY) => {
    AWAIT FETCH(
      "HTTPS://API.COVID19API.COM/TOTAL/COUNTRY/" + COUNTRY + "/STATUS/CONFIRMED",
      REQUESTOPTIONS
    )
    .THEN((RES) => {
      RETURN RES.JSON();
    })
    .THEN((DATA) => {
      DATA.FOREACH((ENTRY) => {
        DATES.PUSH(ENTRY.DATE);
        CASES_LIST.PUSH(ENTRY.CASES);
      });
    });
  });

  AWAIT FETCH(
    "HTTPS://API.COVID19API.COM/TOTAL/COUNTRY/" + COUNTRY + "/STATUS/RECOVERED",
    REQUESTOPTIONS
  )
  .THEN((RES) => {
    RETURN RES.JSON();
  })
  .THEN((DATA) => {
    DATA.FOREACH((ENTRY) => {
```

Covid – 19 Updates



```
RECOVERED_LIST.PUSH(ENTRY.CASES);
});
});

AWAIT FETCH(
  "HTTPS://API.COVID19API.COM/TOTAL/COUNTRY/" + COUNTRY + "/STATUS/DEATHS",
  REQUESTOPTIONS
)
.THEN((RES) => {
  RETURN RES.JSON();
})
.THEN((DATA) => {
  DATA.FOREACH((ENTRY) => {
    DEATHS_LIST.PUSH(ENTRY.CASES);
  });
});

UPDATEUI();
};

API_FETCH(COUNTRY);
}

// UPDATE UI FUNCTION
FUNCTION UPDATEUI() {
  UPDATESTATS();
  AXESLINEARCHART();
}

FUNCTION UPDATESTATS() {
  CONST TOTAL_CASES = CASES_LIST[CASES_LIST.LENGTH - 1];
  CONST NEW_CONFIRMED_CASES = TOTAL_CASES - CASES_LIST[CASES_LIST.LENGTH - 2];

  CONST TOTAL_RECOVERED = RECOVERED_LIST[RECOVERED_LIST.LENGTH - 1];
  CONST NEW_RECOVERED_CASES = TOTAL_RECOVERED - RECOVERED_LIST[RECOVERED_LIST.LENGTH - 2];

  CONST TOTAL_DEATHS = DEATHS_LIST[DEATHS_LIST.LENGTH - 1];
  CONST NEW_DEATHS_CASES = TOTAL_DEATHS - DEATHS_LIST[DEATHS_LIST.LENGTH - 2];

  COUNTRY_NAME_ELEMENT.INNERHTML = USER_COUNTRY;

  TOTAL_CASES_ELEMENT.INNERHTML = TOTAL_CASES;
```

Covid – 19 Updates

```
NEW_CASES_ELEMENT.INNERHTML = `+${NEW_CONFIRMED_CASES}`;

RECOVERED_ELEMENT.INNERHTML = TOTAL_RECOVERED;
NEW_RECOVERED_ELEMENT.INNERHTML = `+${NEW_RECOVERED_CASES}`;

DEATHS_ELEMENT.INNERHTML = TOTAL_DEATHS;
NEW_DEATHS_ELEMENT.INNERHTML = `+${NEW_DEATHS_CASES}`;


// FORMAT DATES
DATES.FOREACH((DATE) => {
  FORMATEDDATES.PUSH(FORMATDATE(DATE));
});
}

// UPDATE CHART
LET MY_CHART;
FUNCTION AXESLINEARCHART() {
  IF (MY_CHART) {
    MY_CHART.DESTROY();
  }

  MY_CHART = NEW CHART(CTX, {
    TYPE: "LINE",
    DATA: {
      DATASETS: [
        {
          LABEL: "CASES",
          DATA: CASES_LIST,
          FILL: FALSE,
          BORDERCOLOR: "#FFF",
          BACKGROUNDCOLOR: "#FFF",
          BORDERWIDTH: 0.5,
        },
        {
          LABEL: "RECOVERED",
          DATA: RECOVERED_LIST,
          FILL: FALSE,
          BORDERCOLOR: "#009688",
          BACKGROUNDCOLOR: "#009688",
          BORDERWIDTH: 0.5,
        },
      ],
    },
  });
}
```

Covid – 19 Updates

```
{
  LABEL: "DEATHS",
  DATA: DEATHS_LIST,
  FILL: FALSE,
  BORDERCOLOR: "#F44336",
  BACKGROUNDColor: "#F44336",
  BORDERWIDTH: 0.5,
},
],
LABELS: FORMATEDDATES,
},
OPTIONS: {
  RESPONSIVE: TRUE,
  LEGEND: {DISPLAY: TRUE},
  MAINTAINASPECTRATIO: FALSE,
},
});
}

// FORMAT DATES
CONST MONTHSNAMES = [
  "JAN",
  "FEB",
  "MAR",
  "APR",
  "MAY",
  "JUN",
  "JUL",
  "AUG",
  "SEP",
  "OCT",
  "NOV",
  "DEC",
];

FUNCTION FORMATDATE(DATESTRING) {
  LET DATE = NEW DATE(DATESTRING);

  RETURN `${DATE.GETDATE()} ${MONTHSNAMES[DATE.GETMONTH()]}`;
}
```


Covid – 19 Updates

COUNTRIES.JS:

// ALL COUNTRY NAMES WITH THEIR ISO CODE

```
let country_list = [  
  { name: 'USA', code: 'US' },  
  { name: 'Spain', code: 'ES' },  
  { name: 'Italy', code: 'IT' },  
  { name: 'France', code: 'FR' },  
  { name: 'Germany', code: 'DE' },  
  { name: 'UK', code: 'GB' },  
  { name: 'Turkey', code: 'TR' },  
  { name: 'Iran', code: 'IR' },  
  { name: 'Russia', code: 'RU' },  
  { name: 'Belgium', code: 'BE' },  
  { name: 'Brazil', code: 'BR' },  
  { name: 'Canada', code: 'CA' },  
  { name: 'Netherlands', code: 'NL' },  
  { name: 'Switzerland', code: 'CH' },  
  { name: 'Portugal', code: 'PT' },  
  { name: 'India', code: 'IN' },  
  { name: 'Ireland', code: 'IE' },  
  { name: 'Austria', code: 'AT' },  
  { name: 'Peru', code: 'PE' },  
  { name: 'Sweden', code: 'SE' },  
  { name: 'Japan', code: 'JP' },  
  { name: 'S. Korea', code: 'KR' },  
  { name: 'Chile', code: 'CL' },  
  { name: 'Saudi Arabia', code: 'SA' },
```



Covid - 19 Updates

```
{ name: 'Poland', code: 'PL' },  
  { name: 'Ecuador', code: 'EC' },  
  { name: 'Romania', code: 'RO' },  
  { name: 'Pakistan', code: 'PK' },  
  { name: 'Mexico', code: 'MX' },  
  { name: 'Denmark', code: 'DK' },  
  { name: 'Norway', code: 'NO' },  
  { name: 'UAE', code: 'AE' },  
  { name: 'Czechia', code: 'CZ' },  
  { name: 'Australia', code: 'AU' },  
  { name: 'Singapore', code: 'SG' },  
  { name: 'Indonesia', code: 'ID' },  
  { name: 'Serbia', code: 'RS' },  
  { name: 'Philippines', code: 'PH' },  
  { name: 'Ukraine', code: 'UA' },  
  { name: 'Qatar', code: 'QA' },  
  { name: 'Malaysia', code: 'MY' },  
  { name: 'Belarus', code: 'BY' },  
  { name: 'Dominican Republic', code: 'DO' },  
  { name: 'Panama', code: 'PA' },  
  { name: 'Finland', code: 'FI' },  
  { name: 'Colombia', code: 'CO' },  
  { name: 'Luxembourg', code: 'LU' },  
  { name: 'South Africa', code: 'ZA' },  
  { name: 'Egypt', code: 'EG' },  
  { name: 'Argentina', code: 'AR' },  
  { name: 'Morocco', code: 'MA' },  
  { name: 'Thailand', code: 'TH' },
```



Covid – 19 Updates

```
{ name: 'Algeria', code: 'DZ' },  
  { name: 'Moldova', code: 'MD' },  
  { name: 'Bangladesh', code: 'BD' },  
  { name: 'Greece', code: 'GR' },  
  { name: 'Hungary', code: 'HU' },  
  { name: 'Kuwait', code: 'KW' },  
  { name: 'Bahrain', code: 'BH' },  
  { name: 'Croatia', code: 'HR' },  
  { name: 'Iceland', code: 'IS' },  
  { name: 'Kazakhstan', code: 'KZ' },  
  { name: 'Uzbekistan', code: 'UZ' },  
  { name: 'Estonia', code: 'EE' },  
  { name: 'Iraq', code: 'IQ' },  
  { name: 'New Zealand', code: 'NZ' },  
  { name: 'Azerbaijan', code: 'AZ' },  
  { name: 'Slovenia', code: 'SI' },  
  { name: 'Lithuania', code: 'LT' },  
  { name: 'Armenia', code: 'AM' },  
  { name: 'Bosnia and Herzegovina', code: 'BA' },  
  { name: 'Oman', code: 'OM' },  
  { name: 'North Macedonia', code: 'MK' },  
  { name: 'Slovakia', code: 'SK' },  
  { name: 'Cuba', code: 'CU' },  
  { name: 'Hong Kong', code: 'HK' },  
  { name: 'Cameroon', code: 'CM' },  
  { name: 'Afghanistan', code: 'AF' },  
  { name: 'Bulgaria', code: 'BG' },
```



Covid – 19 Updates

```
{ name: 'Tunisia', code: 'TN' },  
{ name: 'Ghana', code: 'GH' },  
{ name: 'Ivory Coast', code: 'CI' },  
{ name: 'Cyprus', code: 'CY' },  
{ name: 'Djibouti', code: 'DJ' },  
{ name: 'Latvia', code: 'LV' },  
{ name: 'Andorra', code: 'AD' },  
{ name: 'Lebanon', code: 'LB' },  
{ name: 'Costa Rica', code: 'CR' },  
{ name: 'Niger', code: 'NE' },  
{ name: 'Burkina Faso', code: 'BF' },  
{ name: 'Albania', code: 'AL' },  
{ name: 'Kyrgyzstan', code: 'KG' },  
{ name: 'Nigeria', code: 'NG' },  
{ name: 'Bolivia', code: 'BO' },  
{ name: 'Guinea', code: 'GN' },  
{ name: 'Uruguay', code: 'UY' },  
{ name: 'Honduras', code: 'HN' },  
{ name: 'San Marino', code: 'SM' },  
{ name: 'Palestine', code: 'PS' },  
{ name: 'Malta', code: 'MT' },  
{ name: 'Taiwan', code: 'TW' },  
{ name: 'Jordan', code: 'JO' },  
{ name: 'Réunion', code: 'RE' },  
{ name: 'Georgia', code: 'GE' },  
{ name: 'Senegal', code: 'SN' },  
{ name: 'Mauritius', code: 'MU' },
```



Covid – 19 Updates

```
{ name: 'DRC', code: 'CD' },  
{ name: 'Montenegro', code: 'ME' },  
{ name: 'Isle of Man', code: 'IM' },  
{ name: 'Sri Lanka', code: 'LK' },  
{ name: 'Mayotte', code: 'YT' },  
{ name: 'Kenya', code: 'KE' },  
{ name: 'Vietnam', code: 'VN' },  
{ name: 'Guatemala', code: 'GT' },  
{ name: 'Venezuela', code: 'VE' },  
{ name: 'Mali', code: 'ML' },  
{ name: 'Paraguay', code: 'PY' },  
{ name: 'El Salvador', code: 'SV' },  
{ name: 'Jamaica', code: 'JM' },  
{ name: 'Tanzania', code: 'TZ' },  
{ name: 'Martinique', code: 'MQ' },  
{ name: 'Guadeloupe', code: 'GP' },  
{ name: 'Rwanda', code: 'RW' },  
{ name: 'Congo', code: 'CG' },  
{ name: 'Brunei', code: 'BN' },  
{ name: 'Somalia', code: 'SO' },  
{ name: 'Gibraltar', code: 'GI' },  
{ name: 'Cambodia', code: 'KH' },  
{ name: 'Madagascar', code: 'MG' },  
{ name: 'Trinidad and Tobago', code: 'TT' },  
{ name: 'Gabon', code: 'GA' },  
{ name: 'Myanmar', code: 'MM' },  
{ name: 'Ethiopia', code: 'ET' },
```




Covid – 19 Updates

```
{ name: 'Aruba', code: 'AW' },  
  { name: 'French Guiana', code: 'GF' },  
  { name: 'Monaco', code: 'MC' },  
  { name: 'Bermuda', code: 'BM' },  
  { name: 'Togo', code: 'TG' },  
  { name: 'Liechtenstein', code: 'LI' },  
  { name: 'Equatorial Guinea', code: 'GQ' },  
  { name: 'Liberia', code: 'LR' },  
  { name: 'Barbados', code: 'BB' },  
  { name: 'Sudan', code: 'SD' },  
  { name: 'Guyana', code: 'GY' },  
  { name: 'Zambia', code: 'ZM' },  
  { name: 'Cabo Verde', code: 'CV' },  
  { name: 'Cayman Islands', code: 'KY' },  
  { name: 'Bahamas', code: 'BS' },  
  { name: 'French Polynesia', code: 'PF' },  
  { name: 'Uganda', code: 'UG' },  
  { name: 'Maldives', code: 'MV' },  
  { name: 'Libya', code: 'LY' },  
  { name: 'Guinea-Bissau', code: 'GW' },  
  { name: 'Macao', code: 'MO' },  
  { name: 'Haiti', code: 'HT' },  
  { name: 'Syria', code: 'SY' },  
  { name: 'Eritrea', code: 'ER' },  
  { name: 'Mozambique', code: 'MZ' },  
  { name: 'Saint Martin', code: 'MF' },  
  { name: 'Benin', code: 'BJ' },
```



Covid – 19 Updates

```
{ name: 'Chad', code: 'TD' },  
  { name: 'Mongolia', code: 'MN' },  
  { name: 'Nepal', code: 'NP' },  
  { name: 'Sierra Leone', code: 'SL' },  
  { name: 'Zimbabwe', code: 'ZW' },  
  { name: 'Angola', code: 'AO' },  
  { name: 'Antigua and Barbuda', code: 'AG' },  
  { name: 'Eswatini', code: 'SZ' },  
  { name: 'Botswana', code: 'BW' },  
  { name: 'Timor-Leste', code: 'TL' },  
  { name: 'Belize', code: 'BZ' },  
  { name: 'New Caledonia', code: 'NC' },  
  { name: 'Malawi', code: 'MW' },  
  { name: 'Fiji', code: 'FJ' },  
  { name: 'Dominica', code: 'DM' },  
  { name: 'Namibia', code: 'NA' },  
  { name: 'Saint Lucia', code: 'LC' },  
  { name: 'Grenada', code: 'GD' },  
  { name: 'Saint Kitts and Nevis', code: 'KN' },  
  { name: 'CAR', code: 'CF' },  
  { name: 'St. Vincent Grenadines', code: 'VC' },  
  { name: 'Turks and Caicos', code: 'TC' },  
  { name: 'Falkland Islands', code: 'FK' },  
  { name: 'Greenland', code: 'GL' },  
  { name: 'Montserrat', code: 'MS' },  
  { name: 'Seychelles', code: 'SC' },  
  { name: 'Suriname', code: 'SR' },
```

Covid – 19 Updates

```
{ name: 'Nicaragua', code: 'NI' },
{ name: 'Gambia', code: 'GM' },
{ name: 'Vatican City', code: 'VA' },
{ name: 'Mauritania', code: 'MR' },
{ name: 'Papua New Guinea', code: 'PG' },
{ name: 'St. Barth', code: 'BL' },
{ name: 'Burundi', code: 'BI' },
{ name: 'Bhutan', code: 'BT' },
{ name: 'Caribbean Netherlands', code: 'BQ' },
{ name: 'British Virgin Islands', code: 'VG' },
{ name: 'Sao Tome and Principe', code: 'ST' },
{ name: 'South Sudan', code: 'SD' },
{ name: 'Anguilla', code: 'AI' },
{ name: 'Saint Pierre Miquelon', code: 'PM' },
{ name: 'Yemen', code: 'YE' },
{ name: 'China', code: 'CN' }
];

// SELECT SEARCH COUNTRY ELEMENTS
const search_country_element = document.querySelector(".search-country");
const country_list_element = document.querySelector(".country-list");
const chang_country_btn = document.querySelector(".change-country");
const close_list_btn = document.querySelector(".close");
const input = document.getElementById('search-input')

// CREATE THE COUNTRY LIST
function createCountryList(){
```

Covid – 19 Updates

```
const num_countries = country_list.length;

let i = 0, ul_list_id;

country_list.forEach( (country, index) => {
  if( index % Math.ceil(num_countries/num_of_ul_lists) == 0){
    ul_list_id = `list-${i}`;
    country_list_element.innerHTML += `<ul id='${ul_list_id}'></ul>`;
    i++;
  }

  document.getElementById(`${ul_list_id}`).innerHTML += `
    <li onclick="fetchData('${country.name}')" id='${country.name}'>
      ${country.name}
    </li>
  `;
})
}

let num_of_ul_lists = 3;
createCountryList();
// SHOW/HIDE THE COUNTRY LIST ON CLICK EVENT
chang_country_btn.addEventListener("click", function(){
  input.value="";
  resetCountryList();
  search_country_element.classList.toggle("hide");
  search_country_element.classList.add("fadeIn");
});
```

Covid – 19 Updates

```
});  
close_list_btn.addEventListener("click", function(){  
    search_country_element.classList.toggle("hide");  
});  
  
country_list_element.addEventListener("click", function(){  
    search_country_element.classList.toggle("hide");  
});  
  
// COUNTRY FILTER  
/* input event fires up whenever the value of the input changes */  
input.addEventListener("input", function(){  
    let value = input.value.toUpperCase();  
  
    country_list.forEach( country => {  
        if( country.name.toUpperCase().startsWith(value)){  
            document.getElementById(country.name).classList.remove("hide");  
        }else{  
            document.getElementById(country.name).classList.add("hide");  
        }  
    })  
})  
  
// RESET COUNTRY LIST (SHOW ALL THE COUNTRIES )  
function resetCountryList(){  
    country_list.forEach( country => {  
        document.getElementById(country.name).classList.remove("hide");  
    })  
}
```




Covid – 19 Updates

Conclusion:

DUE TO THE COMPLEX NATURE OF THE COVID-19 EPIDEMIC AND ITS MECHANISM OF SPREAD AND TRANSMISSION IN THE GLOBAL POPULATION, A ONE-OF-A-KIND AND ALL-PURPOSE APPROACH FOR ITS TREATMENT MAY NOT BE APPLICABLE IN COVID-19 RESEARCH. HEALTH PROFESSIONALS ARE REQUIRED TO EMBRACE A MULTIDISCIPLINARY APPROACH IN ADDRESSING THE CHALLENGES RAISED BY THE PANDEMIC. IN THIS WEBSITE, WE DESCRIBED TO PROVIDE VISUALLY APPEALING AND LEGIBLE SECTIONS OF DETAILS ON COVID WITH GREAT BROADER INFORMATION'S VIA TEXTS, AUDIO PODCASTS, VIDEOS, GRAPHICAL REPRESENTATIONS [VIOLIN BOX PLOTS, BAR PLOTS, LINE GRAPH WITH SOLID FILL, PIE CHARTS] AND ANALYSIS IN STREAMLIT. OUR WORK, CURRENTLY CONSISTING OF GLOBAL LEVEL AND NATIONAL LEVEL ANALYSIS, CAN BE EXTENDED WITH AREA-SPECIFIC ANALYSIS AND TESTING. CURRENTLY IT HELPS US UNDERSTAND THE DISEASE SPREAD PATTERNS AND ITS ROUTES AMONG NEIGHBORING INDIVIDUALS FOR THE TIMELY IMPLEMENTATION OF CORRECTIVE MEASURES AT THE REQUIRED PLACEMENT. THUS, OVERALL THIS "COVID-19-UPDATES" WEB-APPLICATION IS A USER-FRIENDLY SITE TO COMPARE DATA AND TRENDS RELATED TO THE COVID-19 PANDEMIC ACROSS AREAS IN THE INDIAN NATION, IT'S DISTRICTS AND WORLDWIDE. OUR SITE PROVIDES A UNIQUE PLATFORM WHERE TRENDS CAN BE MONITORED ACROSS GEOGRAPHICAL AREAS IN THE COMING MONTHS TO WATCH HOW THE PANDEMIC WAXES AND WANES OVER TIME AT DIFFERENT LOCATIONS AROUND THE GLOBE!

Future Enhancements:

IN THE FUTURE, WE INTEND TO PROVIDE A VACCINATION CENTRE TRACKER AND PROVIDE APPOINTMENT BOOKING OPTION THAT CAN ENHANCE THE PROJECT AND THE PURPOSE OF THE WEBSITE TO A LARGER EXTENT ALONGSIDE DEPLOYING THEM ONLINE TO CONVERT THEM INTO APK'S AS A PART OF MOBILE APPLICATION CREATION.