

WEB-TECHNOLOGIES(ITE1002).

Theory DA-1.

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1.) Frontend of the covid19 Project.

Abstraction:

The name of the project called
"Vicky Corona Tracker".

The aim of this web app is to
provide current Active, Conform,
Recovered and Death cases due to
covid19

In all over the world and all states in India.

First, this app shows **total** Active, Conform, Recovered and Death cases in all over the world and all states in India separately and cases in each individual country and states separately.

In side , There will a **red** colored upside arrow if Conform and Death cases are increased, with information that how much cases are increased when compared to yesterday cases and there will a **green** colored upside arrow if recovered cases are increased , with information that how much

cases are increased when compared to yesterday recovered cases.

This arrow is for both total and individual cases in countries and states.

There will a search box to search a individual country or state that you want to get details.

You need not to type full name that you search. While typing in search box app automatically shows the output below.

This app shows 215 countries and 36 states in India current details corresponding to covid19 cases.

Components used in this project to develop are :

- *Angular.js includes type script,
- *HTML,
- *jQuery,
- *2 API's,
- *json for fetching data from API's,
- *CSS.

Above mentioned all for only Frontend development .

2 API's used in this app are:

- * <http://api.covid19india.org/> For States in India.
- * <https://corona.lmao.ninja/> For all over the world.

The user should have a account in this app to login to use it.

If not there will a signup option to get account in this app.

This stuffs are done in node.js and mango database.

Now, we are going to see only frontend development....

Frontend coding:

vignesh.html

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>19MIS0072</title>
  <base href="/">
  <meta name="viewport" content="width=device-
width, initial-scale=1">
  <!-- 19MIS0072 google fonts -->
  <link rel="icon" type="image/x-
icon" href="favicon.ico">
  <link href="https://fonts.googleapis.com/css2?family
=Merriweather:ital@1&display=swap"
rel="stylesheet">
  <link href="https://fonts.googleapis.com/css?family=
Roboto:300,400,500&display=swap"
rel="stylesheet">
  <link href="https://fonts.googleapis.com/icon?family
=Material+Icons" rel="stylesheet">
</head>
<body class="mat-typography">
<app-root>Loading Please Wait...
  </app-root>
</body>
</html>
```

css for all pages globally.

style.css

```
/* You can add global styles to this file*/
body{
    background-image: url("co19.jpg");
    background-repeat: no-repeat;
    background-size: 1300px;
    background-position: center;
    background-attachment: fixed;
}

.vignesh
{
    background:transparent;
    animation-name:fadein;
    animation-delay:1s;
    opacity:0;
    animation-fill-mode: forwards;
    animation-duration: 1s;
    position: relative;
    top: 0px;
}

.thala{
    width: 36px;
    margin-left:5px;
    position: relative;
    left: 720px;
    top: 41px;
}

.img-fluid
```

```
{
    margin-bottom: .5rem;
}
nav span
{
    color:black;
    font-size:1.9rem;
    font-weight:400;
    font-family:'Merriweather', serif;
}
.status
{
    font-size:1.5rem;
    font-style:italic;
    font-weight:1000;
    text-align:center;
    width: 80%;
    margin:auto;
    color: white;
    animation-name:slide;
    animation-duration: 1.3s;
}

#status-p
{
    color:white;
}
/* style the div in status */
.status-div
{
    height:130px;
```



```
    width:200px;
    margin:1rem;
    color: black;
    background-color:white;
    font-size:1.3rem;
    font-weight:800;
    padding:1rem;
    border-radius: 10px;
}
/* styling the border */
.status-div:nth-child(1)
{
    border-bottom: 1rem solid blue;
}
.status-div:nth-child(2)
{
    border-bottom: 1rem solid orange;
}
.status-div:nth-child(3)
{
    border-bottom: 1rem solid #00ff00;
}
.status-div:nth-child(4)
{
    border-bottom: 1rem solid red;
}

#title,
#state-name
{
    text-align:center;
```

```
        margin-top:1rem;
        color:white;
        font-size:1.5rem;
        font-weight:500;
    }

#search
{
    text-align:center;
    margin-top:1rem;
    font-size:20px;
}

#search input
{
    border-bottom: .1rem solid white;
    border-top: 0;
    border-left:0;
    border-right: 0;
    background:transparent;
    outline: none !important;
    color:black;
    margin-left: 2rem;
    font-weight:600;
}

#search input::placeholder
{
    color:black;
}

.hide
{
```

```
        display: none;
    }
    .show
    {
        display: "";
    }
    .state-container ,
    .country-container,
    .district-container
    {
        width: 100%;
        display: flex;
        justify-content: center;
        animation-name: fadein;
        animation-delay: 0.3s;
    }
    .state-div,
    .country-div,
    .district-div
    {
        height: auto;
        width: 300px;
        margin: 2rem;
        color: black;
        background-color: rgba(255, 255, 255, 0.7);
        font-size: 1rem;
        font-weight: 800;
        padding: 1rem;
        border-radius: 10px;
    }

    .state-div: hover{
        transform: scale(1.2, 1.2);
    }
```

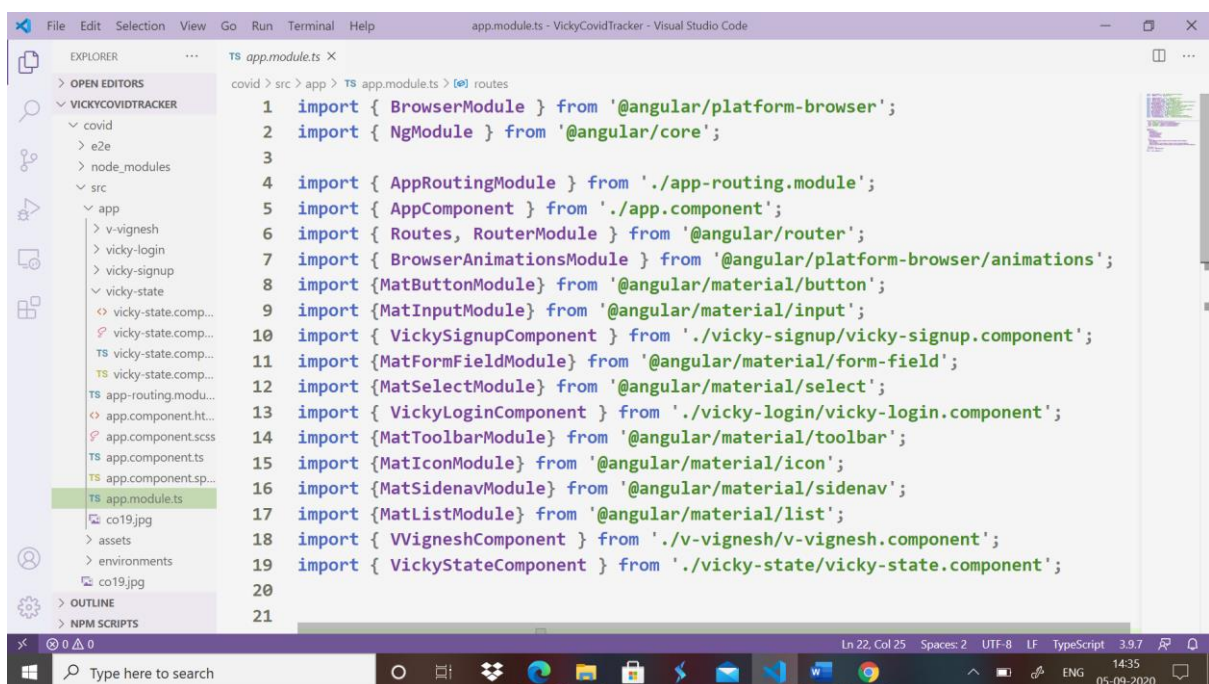
```
}  
.country-div:hover{  
    transform: scale(1.2,1.2);  
}  
  
.state-name,  
.country-name,  
.district-name  
{  
    font-size:1.3rem;  
    font-style: bold;  
    text-align: center;  
    color:blue;  
    cursor: pointer;  
}  
  
.state-data,  
.country-data,  
.district-data  
{  
    padding: 1rem;  
}  
  
@keyframes fadein {  
    0% {  
        opacity: 0;  
    }  
    25% {  
        opacity: 0.25;  
    }  
    50% {  
        opacity: 0.50;  
    }  
    75% {  
        opacity: 0.95;  
    }  
}
```

```
        100%{
            opacity: 1;
        }
    }
    @keyframes slide {
        0% {
            transform: translateX(-1000px);
        }
        100%{
            transform: translateX(0);
        }
    }
}
```

```
.img-fluid
{
    margin-bottom: 0rem;
}
nav span
{
    color:black;
    font-size:.9rem;
    font-weight:900;
    font-family:'Merriweather', serif;
}
nav a img
{
    width:20px;
    height: 25px;
}
.status-list li
{
    margin-right: auto;
}
```

}

For Routing in angular(single page):



The screenshot shows the Visual Studio Code editor with the file explorer on the left and the code editor in the center. The file explorer shows a project named 'VICKYCOVIDTRACKER' with a folder structure including 'covid', 'e2e', 'node_modules', 'src', 'app', 'v-vignesh', 'vicky-login', 'vicky-signup', 'vicky-state', 'vicky-state.comp...', 'app-routing.module...', 'app.component.scss', 'app.component.ts', 'app.component.sp...', 'assets', 'environments', and 'co19.jpg'. The code editor displays the 'app.module.ts' file with the following imports:

```
1 import { BrowserModule } from '@angular/platform-browser';
2 import { NgModule } from '@angular/core';
3
4 import { AppRoutingModule } from './app-routing.module';
5 import { AppComponent } from './app.component';
6 import { Routes, RouterModule } from '@angular/router';
7 import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
8 import { MatButtonModule } from '@angular/material/button';
9 import { MatInputModule } from '@angular/material/input';
10 import { VickySignupComponent } from './vicky-signup/vicky-signup.component';
11 import { MatFormFieldModule } from '@angular/material/form-field';
12 import { MatSelectModule } from '@angular/material/select';
13 import { VickyLoginComponent } from './vicky-login/vicky-login.component';
14 import { MatToolbarModule } from '@angular/material/toolbar';
15 import { MatIconModule } from '@angular/material/icon';
16 import { MatSidenavModule } from '@angular/material/sidenav';
17 import { MatListModule } from '@angular/material/list';
18 import { VVigneshComponent } from './v-vignesh/v-vignesh.component';
19 import { VickyStateComponent } from './vicky-state/vicky-state.component';
20
21
```

The status bar at the bottom indicates the current file is 'app.module.ts' at line 22, column 25, using UTF-8 encoding and LF line endings. The system tray shows the date and time as 14:35 on 05-09-2020.

```
22 const routes: Routes = [
23   {path: 'vignesh', component: VVigneshComponent},
24   {path: 'VickySignup', component: VickySignupComponent},
25   {path: 'VickyLogin', component: VickyLoginComponent},
26   {path: '19MIS0072', component: VickyStateComponent}
27 ];
28
29 @NgModule({
30   declarations: [
31     AppComponent,
32     VickySignupComponent,
33     VickyLoginComponent,
34     VVigneshComponent,
35     VickyStateComponent,
36   ],
37   imports: [
38     BrowserModule, MatSelectModule, MatToolbarModule, MatIconModule,
39     MatListModule,
40     AppRoutingModule, RouterModule.forRoot(routes), MatSidenavModule,
41     BrowserAnimationsModule, MatButtonModule, MatInputModule, MatFormFieldModule,
42   ],
43   providers: [],
44   bootstrap: [AppComponent]
45 })
46 export class AppModule { }
47
```

```
36 ],
37 imports: [
38   BrowserModule, MatSelectModule, MatToolbarModule, MatIconModule,
39   MatListModule,
40   AppRoutingModule, RouterModule.forRoot(routes), MatSidenavModule,
41   BrowserAnimationsModule, MatButtonModule, MatInputModule, MatFormFieldModule,
42 ],
43 providers: [],
44 bootstrap: [AppComponent]
45 })
46 export class AppModule { }
47
```

Main page(angular):
App.component.html

```

<p>
  <mat-toolbar color="primary" >
    <mat-toolbar-row>
      <span class="example-spacer"></span>
      <button mat-icon-button class="example-
icon" (click)='open=!open'
        style="outline:none;" aria-label="Example icon-
button with menu icon">
        <mat-icon style="margin-left: -
10px;cursor: pointer;
        outline:none;">menu</mat-icon>
      </button>
      <span style="margin-
left: 0px;">19MIS0072 App</span>
    <a>
      <button routerLink={{rot1}} (click)=vicky()
mat-button class="maara">{{sg}}
      
    </button></a>
    </mat-toolbar-row>
  </mat-toolbar>
</p>
<mat-sidenav-container style="top:-12px;">
  <mat-sidenav mode="side" [opened]="open">
    <mat-nav-list style="width: 200px;">
      <a (click)="tsk()">
        <button style="width: 200px;outline: none;marg
in-left: -10px;
        font-size: larger;margin-top: 10px;"
        routerLink={{rot2}} mat-button>{{gs}}
      </button></a>
    </mat-nav-list>
  </mat-sidenav>

```



```

<mat-sidenav-content>
  
  <app-vicky-
login [style.display]="masss" (vignesh)="Ontsk()"></
app-vicky-login>
  <router-outlet>
  </router-outlet>
  <p style="height: 100px;"></p>
</mat-sidenav-content>
</mat-sidenav-container>

```

css only for main
page(App.component.html),
App.component.css

```

mat-sidenav-content{
    background-image: url("co19.jpg");
    background-repeat: no-repeat;
    background-size: 1300px;
    background-position: center;
    background-attachment: fixed;
}
img{

```

```

        width: 100%;
        margin-left: 0px;
        position: relative;
    }

    .maara{
        width:133px;
        left: 897px;
        margin-top: 4px;
        outline: none;
        font-size: x-large;
        border-radius: 0px 10px 0px 10px;

    }

    .maara:hover{
        background-color: rgba(245, 145, 134,0.5);
    }

    .sp{
width: 27px;
margin-left: -5px;
    }

```

Typescript for App.component.html

App.component.ts

```
import { Component } from '@angular/core';
```

```

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.scss']
})
export class AppComponent {

  constructor(){
  }
  public open=false;
  public img="signup.png";
  public v=0;
  public k=0;
  public y=0;
  public gs="";
  public rot2="";
  title = 'covid';
  public rot1="VickySignup";
  public sg="Sign_Up";
  public masss="";
  ngOnInit(){
    if(window.location.pathname== '/vignesh' || window.
location.pathname== '/19MIS0072')
    {
      this.rot1="";
      this.sg="Log_Out";
      this.img="logout.png";
      this.masss="none";
      this.k=1;
      if(window.location.pathname== '/vignesh')
      this.rot2="19MIS0072";
      this.gs="State_Detials";
      if (window.location.pathname== '/vignesh') {

```

```

        this.rot2="19MIS0072";
        this.gs="State_Detials";
    }
    else if(window.location.pathname== '/19MIS0072'){
        this.rot2="vignesh";
        this.gs="Country_Detials";
    }
}
}
}
Ontsk(){
    if(window.location.pathname== '/vignesh' || window.l
ocation.pathname!= '/19MIS0072')
        this.rot1="";
        this.sg="Log_Out";
        this.img="logout.png";
        this.masss="none";
        this.k=1;
        this.rot2="19MIS0072";
        this.gs="State_Detials";
}

vicky(){
    if(this.v==0){
        this.rot1="";
        this.sg="Log_In";
        this.img="login.png";
        this.v=1;
        this.masss="none";
    }
    else if(this.v==1){
        this.rot1="VickySignup";
        this.sg="Sign_Up";
        this.img="signup.png";
        this.v=0;
    }
}

```

```

        this.masss="block";
    }

    if((this.k==1 && window.location.pathname!='/vignesh')
    || (this.k==1 && window.location.pathname!='/19MIS0072')){
        this.rot1="VickySignup";
        this.sg="Sign_Up";
        this.img="signup.png";
        this.k=0;
        this.v=0;
        this.masss="block";
        this.rot2="";
        this.gs="";
    }
}

tsk(){
    if(this.y==1){
        this.open=!this.open;
        this.rot2="19MIS0072";
        this.gs="State_Details";
        this.y=0;
    }
    else{
        if(1==1){
            this.open=!this.open;
            this.rot2="vignesh";
            this.gs="Country_Details";
            this.y=1;
        }
    }
}
}

```

```
}
```

v-vignesh.component.html

For country details displaying....

```
<div class="vignesh">
  <!--
  - ##### status live update #####
  #####-->
    <div class="status mt-2 ">
      <p id="status-p" style="font-size: xx-
large;">Total</p>
      <div class="d-flex justify-content-
around flex-wrap ">
        <div class="status-
div">Active<br><span id="active-no"></span></div>
        <div class="status-
div">Confirmed<br><span id="confirmed-
no"></span><br></div>
                                <div class="status-
div">Recovered<br><span id="recovered-
no"></span><br></div>
                                <div class="status-
div">Deaths<br><span id="deaths-
no"></span><br></div>
                                </div>
                                </div>
                                <!--
- ##### search #####
#####-->

                                <h2 id="title" style="font-size: xx-
large;">All Over The World</h2>
                                
                                <div id="search">
                                    <input type="text" name="search-
input" id="search-inp"
                                    placeholder="SEARCH HERE...">
                                </div>
                                <!--
- ##### country live update #####
#####-->
                                <div class="country-container d-flex flex-wrap">

```

```
</div>  
</div>
```

v-vignesh.component.ts

jQuery and JSON for country.

```
import { Component, OnInit } from '@angular/core';  
import * as $ from 'jquery';  
  
declare var $:any;  
@Component({  
  selector: 'app-v-vignesh',  
  templateUrl: './v-vignesh.component.html',  
  styleUrls: ['./v-vignesh.component.scss']  
})  
export class VVigneshComponent implements OnInit {  
  constructor() { }  
  
  ngOnInit(){  
    let country_name_array=[];  
    $("#search-inp").keyup(function()  
    {  
      let search_val=$("#search-  
inp").val().toLowerCase();  
      $("#search-inp").val(search_val.toUpperCase());
```



```

        $.each(country_name_array,function(index,country
_name){
            //split the class name if it has space
            let class_name=country_name.split(" ")[0].
replace(".", "")
            if(country_name.startsWith(search_val))
            {
                $(". "+class_name).addClass("show");
                $(". "+class_name).removeClass("hide");
            }
            else
            {
                $(". "+class_name).addClass("hide");
            }
        });
    });
    function getTodayStatus()
    {
        let status_link="https://corona.lmao.ninja/v2/al
1";
        $.getJSON(status_link,function(data)
        {
            let active=data["active"];
            let confirmed=data["cases"]; //cases simila
r to confirmed
            let recovered=data["recovered"];
            let deaths=data["deaths"];
            // getting today detail to calc diff
            let today_confirmed=data["todayCases"]; //ca
ses similar to confirmed
            let today_recovered=data["todayRecovered"];
            let today_deaths=data["todayDeaths"];

            // img src

```

```

        let up_img_src="../../assets/images/upimg.png";
        let down_img_src="../../assets/images/downimg.png";
        let upgreen_img_src="../../assets/images/upgreenimg.png"

        let increases="<br><span style='font-size:.8rem;'>"

        let decreases="<br><span style='font-size:.8rem;'>"
        //checking for diff and adding corresponding image for it
        if(today_confirmed>0)
        {
            $("#confirmed-no").append(confirmed+increases+today_confirmed+"</span>");
        }
        //check if is negative to avoid adding img for zero
        else if (today_confirmed<0)
        {
            $("#confirmed-no").append(confirmed+decreases+Math.abs(today_confirmed)+"</span>");
        }
        if(today_deaths>0)
        {

```

```

        $("#deaths-
no").append(deaths+increases+today_deaths+"</span>");
    }
    else if(today_deaths<0)
    {
        $("#deaths-
no").append(deaths+decreases+Math.abs(today_deaths)+"<
/span>");
    }
    if(today_recovered>0)
    {
        //setting uparrow img for recovered
        let increases="<br><span style='font-
size:.8rem;'>"
        $("#recovered-
no").append(recovered+increases+today_recovered+"</spa
n>");
    }
    else if (today_recovered<0)
    {
        $("#recovered-
no").append(recovered+decreases+Math.abs(today_recover
ed)+"</span>");
    }
    $("#active-no").append(active);
});
getCountryStatus()

}
function getCountryStatus()
{
    let country_link="https://corona.lmao.ninja/v2/
countries";

```

```

$.getJSON(country_link,function(data)
{
    $.each(data,function(index,data)
    {
        let active=data["active"];
        let confirmed=data["cases"]; //cases sim
illar to confirmed
        let recovered=data["recovered"];
        let deaths=data["deaths"];
        let country_name=data["country"]
        let img_flag_src=data["countryInfo"]["fl
ag"]

        // getting toady detail to calc diff
        let today_confirmed=data["todayCases"];
//cases simillar to confirmed
        let today_recovered=data["todayRecovered
"];
        let today_deaths=data["todayDeaths"];

        let up_img_src="../../assets/images/upim
g.png";
        let down_img_src="../../assets/images/do
wnimg.png";
        let upgreen_img_src="../../assets/images
/upgreenimg.png"

        let increases="<span style='font-
size:.8rem;'>"
        let decreases="<span style='font-
size:.8rem;'>"

```

```

        //checking for diff and adding correspon
ding image for it
        if(today_confirmed>0)
        {
            confirmed=confirmed+increases+today
_confirmed+"</span>";
        }
        //check if is negative to avoid adding
img for zero
        else if (today_confirmed<0)
        {
            confirmed=confirmed+decreases+Math
.abs(today_confirmed)+"</span>";
        }
        if(today_deaths>0)
        {
            deaths=deaths+increases+today_deaths
+"</span>";
        }
        else if(today_deaths<0)
        {
            deaths=deaths+decreases+Math.abs(tod
ay_deaths)+"</span>";
        }
        if(today_recovered>0)
        {
            //setting uparrow img for recovered
            let increases="<span style='font-
size:.8rem;'>"
            recovered=recovered+increases+today_re
covered+"</span>";
        }
        else if (today_recovered<0)

```

```

        {
            recovered=recovered+decreases+Math.a
bs(today_recovered)+"</span>";
        }
        //push to array for search
        country_name_array.push(country_name.t
oLowerCase());
        //split with space and add only first
one and remove dot from it
        let class_name=country_name.split(" ")
[0].toLowerCase().replace(".", "");
        let country_html="<div class='country-
div "+class_name+" ' >
                                \
                <p class='country-
name'>"+country_name+"</p>
                                \
                
                                \
                <div class='country-data d-
flex flex-wrap justify-content-between' >
                                \
                    <div class='active-
country'>Active<br><span id='active-
no'>"+active+"</span></div>\
                    <div class='confirmed-
country'>Confirmed<br><span id='active-
no'>"+confirmed+"</span></div>\
                    <div class='recovered-
country'>Recovered<br><span id='active-
no'>"+recovered+"</span></div>\
                    <div class='deaths-
country'>Deaths<br><span id='active-
no'>"+deaths+"</span></div><br>\
                                </div>"
        $(".country-
container").append(country_html);

```

```

        })
    });
}
$(document).load(getTodayStatus());
}
}

```

vicky-state.component.html
for state details.....

```

<!--
- ##### status live update #####
#####-->
<div class="vignesh">
    <div class="status mt-2 ">
        <p id="status-p" id="status-
p" style="font-size: xx-large;">Total</p>
        <div class="d-flex justify-content-
around flex-wrap ">
            <div class="status-
div">Active<br><span id="active-
no"></span></div>
            <div class="status-
div">Confirmed<br><span id="confirmed-
no"></span><br></div>

<div class="status-
div">Recovered<br><span id="recovered-
no"></span><br></div>

<div class="status-
div">Deaths<br><span id="deaths-
no"></span><br></div>
</div>

</div>

<!--
- ##### search #####
#####-->
<h2 id="title">All Over India</h2>

<div id="search">
<input type="text" nam
e="search-input" id="search-
input" placeholder="SEARCH HERE...">
</div>
<!--
- ##### Live Table #####
#####-->
<div class="state-container d-flex flex-
wrap">

```



```
</div>  
</div>
```

vicky-state.component.ts

jQuery and JSON for state.

```
import { Component, OnInit } from '@angular/core';  
import * as $ from 'jquery';  
declare var $:any;  
@Component({  
  selector: 'app-vicky-state',  
  templateUrl: './vicky-state.component.html',  
  styleUrls: ['./vicky-state.component.scss']  
})  
export class VickyStateComponent implements OnInit {  
  
  constructor() { }  
  
  ngOnInit(){  
    $("#search-input").keyup(function()  
{  
      let search_val=$("#search-  
input").val().toLowerCase();  
      $("#search-  
input").val(search_val.toUpperCase());  
      $.each(state_name_array,function(index,state_n  
ame){
```

```

//split the class name
if it has space
let class_name=state_n
ame.split(" ")[0]
if(state_name.startsWi
th(search_val))
{
    $(". "+class_na
me).addClass("show");
    $(". "+class_na
me).removeClass("hide");
}
else
{
    $(". "+class_na
me).addClass("hide");
}
});
});

var state_name_array = [];
function getAllData()
{
    /*
        getting data from api whic
h has "cases_time_series" "statewise" and "tested" d
etails we only need statewise details
    */
    var alldatalink = "https://api
.covid19india.org/data.json";
    $.getJSON(alldatalink, functio
n (data) {
        // storing prev day va
l for calculation of total value in india

```

```

let prev_index = data[
"cases_time_series"].length;

let prev_confirm = data[
a["cases_time_series"][prev_index - 1]["totalconfirmed
"];

let prev_recoverd = data[
ta["cases_time_series"][prev_index - 1]["totalrecovered"];

let prev_deaths = data[
["cases_time_series"][prev_index - 1]["totaldeceased"]
;

//iterating only state
wise object

$.each(data["statewise
"], function (index, data) {

//storing value for calculation

let active = data[
a["active"];

let date = data[
a["lastupdatedtime"].split(" ")[0];

let confirmed = data["confirmed"];

let recovered = data["recovered"];

let deaths = data[
a["deaths"];

//adding the today status of covid

if (data["state"] === "Total") {

//call function with isstatus =1

```

```

                                addDat
aToTable([active, date, confirmed, recovered, deaths],
        [prev_confirm, prev_recoverd, prev_deaths], 1);
                                }
                                //pushing the
state details to table
                                else {
                                //to c
hange date fromat
                                date =
        date.split("/").reverse().join("-");
                                //call
        function to get prev day data
                                getPre
vDayData(date, data["statecode"], [active, date, confi
rmed, recovered, deaths, data["state"]]);
                                }
                                ));
                                ));
        }
        function getPrevDayData(tdate, stateco
de, data_array) {
                let prevdate = tdate.split("-
");
                //creating date object and mon
th start from zero so minus one
                prevdate = new Date(prevdate[0
], prevdate[1] - 1, prevdate[2]);
                //calculating prev day by sub
one
                prevdate.setDate(prevdate.getDa
te() - 1);
                // it return day/month/year, h
r:min:sec AM

```

```

ring();

[0];

month year

;

g zero to it

evdate[0];

ng zero to it

evdate[1];

/day/date

prevdate = prevdate.toLocaleSt

//spilting date and time
prevdate = prevdate.split(",")

// convert day/month/year day

prevdate = prevdate.split("/")

//if day is single digit addin

if (prevdate[0].length == 1) {
    prevdate[0] = "0" + pr

}
//if date is single digit addi

if (prevdate[1].length == 1) {
    prevdate[1] = "0" + pr

}
//changing date format to year

prevdate = prevdate[2] + "-"
" + prevdate[0] + "-" + prevdate[1];
//link to get prev day data
let link = "https://api.covid1
9india.org/v3/data-" + prevdate + ".json";
//store prev day data in array

let prev_data_array = [];
fetch(link).then((response) =>
{

```

```

        return response.json()
;
    })).then((data) => {
        if (data[statecode] !=
= undefined) {

            if (data[state
code][ "total" ][ "confirmed" ] === undefined) {
                prev_d
ata_array.push(0);
            }
            else {
                prev_d
ata_array.push(data[statecode][ "total" ][ "confirmed" ]);
            }
            if (data[state
code][ "total" ][ "recovered" ] === undefined) {
                prev_d
ata_array.push(0);
            }
            else {
                prev_d
ata_array.push(data[statecode][ "total" ][ "recovered" ]);
            }
            //if none one
            died pushing zero
            if (data[state
code][ "total" ][ "deceased" ] === undefined) {
                prev_d
ata_array.push(0);
            }
            else {
                prev_d
ata_array.push(data[statecode][ "total" ][ "deceased" ]);

```

```

    }
    //call function
    to add data to tabel isstatus =0
    addDataToTable
(data_array, prev_data_array, 0);
    }
    }).catch(() => { });
}
function addDataToTable(data_array, prev_data_array, isstatus) {
    //retrive the valu from array
    let active = data_array[0];
    let date = data_array[1];
    let confirmed = data_array[2];
    let recovered = data_array[3];
    let deaths = data_array[4];

    let prev_confirm = prev_data_array[0];
    let prev_recoverd = prev_data_array[1];
    let prev_deaths = prev_data_array[2];

    //calculating the difference
    let diff_confirm = (confirmed - prev_confirm);
    let diff_deaths = (deaths - prev_deaths);
    let diff_recovered = (recovered - prev_recoverd);

    // img src

```

```

        let up_img_src = "../../assets
/images/upimg.png";

        let down_img_src = "../../asse
ts/images/downimg.png";

        let upgreen_img_src = "../../a
ssets/images/upgreenimg.png";


        let increases = "<br><img src=
" + up_img_src + " height='12px' width='12px'><span st
yle='font-size:.7rem;'>";

        let decreases = "<br><img src=
" + down_img_src + " height='12px' width='12px'><span
style='font-size:.7rem;'>";
        //checking if it add to satus
or table

        if (isstatus == 1) {
            //checking for diff an
d adding corresponding image for it
            if (diff_confirm > 0)
{
                $("#confirmed-
no").append(confirmed + increases + diff_confirm + "</
span>");
            }
            //check if is negative
to avoid adding img for zero

            else if (diff_confirm
< 0) {

                $("#confirmed-
no").append(confirmed + decreases + Math.abs(diff_conf
irm) + "</span>");

```



```

    }
    if (diff_deaths > 0) {
        $("#deaths-
no").append(deaths + increases + diff_deaths + "</span
>");
    }
    else if (diff_deaths <
0) {
        $("#deaths-
no").append(deaths + decreases + Math.abs(diff_deaths)
+ "</span>");
    }
    if (diff_recovered > 0
) {
        //setting up ar
row img for recovered
        let increases
= "<br><span style='font-size:.7rem;'>";
        $("#recovered-
no").append(recovered + increases + diff_recovered + "
</span>");
    }
    else if (diff_recovere
d < 0) {
        $("#recovered-
no").append(recovered + decreases + Math.abs(diff_reco
vered) + "</span>");
    }
    $("#active-
no").append(active);
    $("#status-
date").text(date);
}

```

```

//add data to table
else {

    if (diff_confirm > 0)
    {
        var confirm_pic
c = confirmed + increases + diff_confirm;
    }
    else if (diff_confirm
< 0) {

        confirm_pic =
confirmed + decreases + Math.abs(diff_confirm);
    }
    if (diff_deaths > 0) {
        var deaths_pic
= deaths + increases + Math.abs(diff_deaths);
    }
    else if (diff_deaths <
0) {

        deaths_pic = d
eaths + decreases + Math.abs(diff_deaths);
    }
    if (diff_recovered > 0
) {

        let increases
= "<br><span style='font-size:.7rem;'>";
        var recovered_
pic = recovered + increases + diff_recovered;
    }
    else if (diff_recovere
d < 0) {

        recovered_pic
= recovered + decreases + Math.abs(diff_recovered);

```

```

    }
    //retriving state valu
e
    let state_name = data_
array[5];
    state_name_array.push(
state_name.toLowerCase());
    let class_name = state
_name.split(" ")[0].toLowerCase();
    let state_html = "<div
class='state-
div " + class_name + "' >
    \
        <p class='state-
name' onclick='goToState(event)'>" + state_name + "<br
>" + date + "</p> \
        <div class='state-data d-flex flex-
wrap justify-content-between' > \
            <div class='active-
state'>Active<br><span id='active-
no'>" + active + "</span></div>\
            <div class='confirmed-
state'>Confirmed<br><span id='active-
no'>" + confirm_pic + "</span></div>\
            <div class='recovered-
state'>Recovered<br><span id='active-
no'>" + recovered_pic + "</span></div>\
            <div class='deaths-

```

```

state'>Deaths<br><span id='active-
no'>" + deaths_pic + "</span></div><br>\

        </div>";

                                $(".state-
container").append(state_html);
                                }
        }
        $(document).load(getAllData());

    }
}

```

vicky-login.component.html
for login page.

```

<form class="vicky" autofocus>
  <mat-form-field class="masss">
    <mat-label class="tsk">User_Name</mat-label><br>
    <input type="text" matInput placeholder="Vignesh"
autocomplete="off" autofocus>
  </mat-form-field>
  <br><br>
  <mat-form-field class="masss">
    <mat-label class="tsk">Pass_Word</mat-label><br>
    <input type="text" matInput placeholder="*****"
autocomplete="off">
  </mat-form-field>

```

```
</form>  
<a routerLink="vignesh" (click)="Onths()"><button mat-  
raised-button class="ngk">Login</button></a>
```

vicky-login.component.css

style for login page.

```
.mis{  
    width: 1282px;  
    height: 620px;  
    background-color: rgba(5, 0, 0, 0.2);  
    position: absolute;  
    margin-left:-10px ;  
    top: -10px;  
    z-index: 2;  
}  
  
.ngk{  
    top: 40px;  
    left: 550px;  
    width: 120px;  
    height: 40px;  
    position: relative;  
    z-index: 3;  
    outline: none;  
}
```

```
.ngk:hover{  
    background-color: tomato;  
}
```

```
.petta1{  
    top: 375px;  
    left: 35px;  
    width: 160px;  
    height: 40px;  
    position: relative;  
    z-index: 3;  
}
```

```
.vicky{  
    min-width: 150px;  
    max-width: 500px;  
    width: 100%;  
    color: seashell;  
    margin: 0px auto;  
    top: 0px;  
    position: relative;  
    z-index: 3;  
}
```

```
.vicky1{  
    min-width: 150px;  
    max-width: 500px;  
    width: 100%;  
    float: left;  
    color: seashell;  
    margin: 0px auto;  
    top: 10px;
```

```
    left: 50px;
    position: relative;
    z-index: 3;
}

.MIS{
    float: right;
    position: relative;
    left: -300px;
}

img{
    width: 1200px;
    margin-left: 30px;
    position: relative;
    z-index: 3;
}

input{
    font-size: 40px;
    font-family: monospace;
    font-weight: 300;
    color: black;
}

.tsk{
    font-size: xx-large;
}

.tsk1{
    font-size: xx-large;
}
```

```

.masss{
    width: 100%;
}

.masss1{
    width: 55%;
    font-family: cursive;
}

.mass1{
    width: 75%;
    font-family: cursive;
}

.ngk1{
    position: fixed;
    top: 190px;
    left: 850px;
}

.maara{
    display: none;
}

```

vicky-login.component.ts

```

import { Component, OnInit, Output, EventEmitter } from
'@angular/core';

@Component({
    selector: 'app-vicky-login',
    templateUrl: './vicky-login.component.html',

```



```

    styleUrls: ['./vicky-login.component.scss'],
  })
  export class VickyLoginComponent implements OnInit {
    constructor() {
    }
    @Output() vignesh=new EventEmitter();

    ngOnInit():void{
    }
    Onths(){
      this.vignesh.emit();
    }
  }

```

vicky-signup.component.html
for signup.

```

<form class="vicky1" autocomplete="off" autofocus>
  <mat-form-field class="masss1">
    <mat-label class="tsk1">Set_User_Name</mat-label><br>
    <input type="text" matInput placeholder="Vignesh" autofocus>
  </mat-form-field>
  <br><br>
  <mat-form-field class="masss1">

```

```

        <mat-label class="tsk1">Set_Password</mat-
label><br>
        <input type="text" matInput placeholder="***
*****">
    </mat-form-field>
    <br><br>
    <mat-form-
field class="masss1" style="width:60%;">
        <mat-
label class="tsk1">Conform_Password</mat-label><br>
        <input type="text" matInput placeholder="***
*****">
    </mat-form-field>
</form>
<form class="vicky1 MIS" autocomplete="off">
    <mat-form-field class="masss1">
        <mat-label class="tsk1">First_Name</mat-
label><br>
        <input type="text" matInput placeholder="V.V
ignesh">
    </mat-form-field>
    <br><br>
    <mat-form-field class="masss1">
        <mat-label class="tsk1">Last_Name</mat-
label><br>
        <input type="text" matInput placeholder="19M
IS0072">
    </mat-form-field>
    <br><br>
    <mat-form-field class="masss1">
        <mat-label class="tsk1">Phone_Number</mat-
label><br>
        <input type="phonenum" matInput placehold
er="807*****76">

```

```

        </mat-form-field>
    </form>
    <form class="vicky1 ngk1" autocomplete="off">
        <mat-form-field appearance="fill">
            <mat-label>Select State</mat-label>
            <mat-select>
                <mat-option value="option">TamilNadu</mat-
option>
                <mat-option value="option">Karnataka</mat-
option>
                <mat-option value="option">Andra</mat-
option>
                <mat-option value="option">Kerala</mat-
option>
                <mat-option value="option">Others</mat-
option>
            </mat-select>
        </mat-form-field>
        <br><br>
        <mat-form-field class="mass1">
            <mat-label class="tsk1">Email</mat-
label><br>
            <input type="text" matInput placeholder="e
mail@gmail.com">
        </mat-form-field>
        <br>
        <mat-form-field class="masss1">
            <mat-label class="tsk1">Occupation</mat-
label><br>
            <input type="text" matInput placeholder="S
tudent ext..">
        </mat-form-field>
    </form>

```

```
<button mat-raised-  
button color="primary" class="petta1">Sign_up</button>
```

vicky-signup.component.css

```
.mis{  
    width: 1282px;  
    height: 620px;  
    background-color: rgba(5, 0, 0, 0.2);  
    position: absolute;  
    margin-left:-10px ;  
    top: -10px;  
    z-index: 2;  
}  
  
.ngk{  
    top: 70px;  
    left: 480px;  
    width: 120px;  
    height: 40px;  
    position: relative;  
    z-index: 3;  
}  
  
.petta{  
    top: 70px;  
    left: 540px;  
    width: 120px;
```

```
    height: 40px;  
    position: relative;  
    z-index: 3;  
}
```

```
.petta1{  
    top: 550px;  
    left: 500px;  
    width: 160px;  
    height: 40px;  
    position: fixed;  
    z-index: 3;  
    outline: none;  
}
```

```
.vicky{  
    min-width: 150px;  
    max-width: 500px;  
    width: 100%;  
    color: seashell;  
    margin: 0px auto;  
    top: 40px;  
    position: relative;  
    z-index: 3;  
}
```

```
.vicky1{  
    min-width: 150px;  
    max-width: 500px;  
    width: 100%;  
    float: left;  
    color: seashell;  
    margin: 0px auto;
```

```
    top: 200px;
    left: 50px;
    position: fixed;
    z-index: 3;
}

.MIS{
    float: right;
    position: fixed;
    left: 436px;
}

img{
    width: 1200px;
    margin-left: 30px;
    position: relative;
    z-index: 3;
}

input{
    font-size: 40px;
    font-family: monospace;
    font-weight: 300;
    color: black;
}

.tsk{
    font-size: xx-large;
}

.tsk1{
    font-size: xx-large;
}
```

```

.masss{
    width: 100%;
}

.masss1{
    width: 55%;
    font-family: cursive;
}

.mass1{
    width: 75%;
    font-family: cursive;
}

.ngk1{
    position: fixed;
    top: 246px;
    left: 850px;
}

```

vicky-signup.component.ts

```

import { Component, OnInit } from '@angular/core';

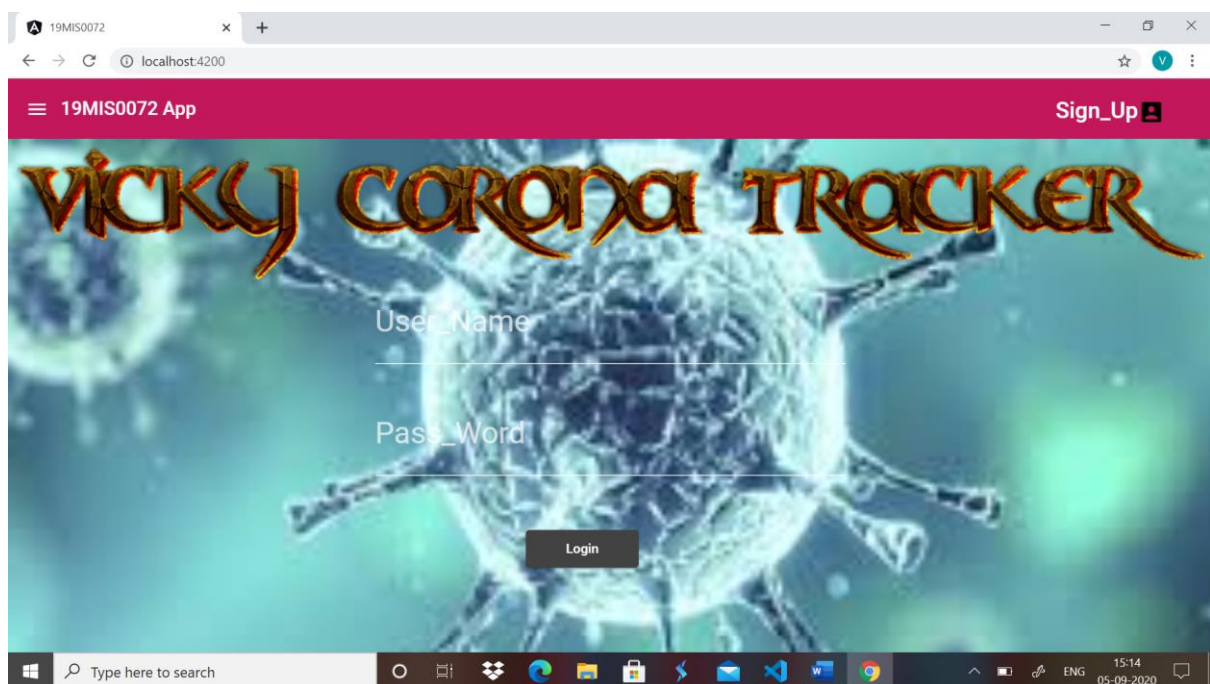
@Component({
  selector: 'app-vicky-signup',
  templateUrl: './vicky-signup.component.html',
  styleUrls: ['./vicky-signup.component.scss']
})

```

```
export class VickySignupComponent implements OnInit {  
  
    constructor() { }  
  
    ngOnInit(): void {  
    }  
  
}
```

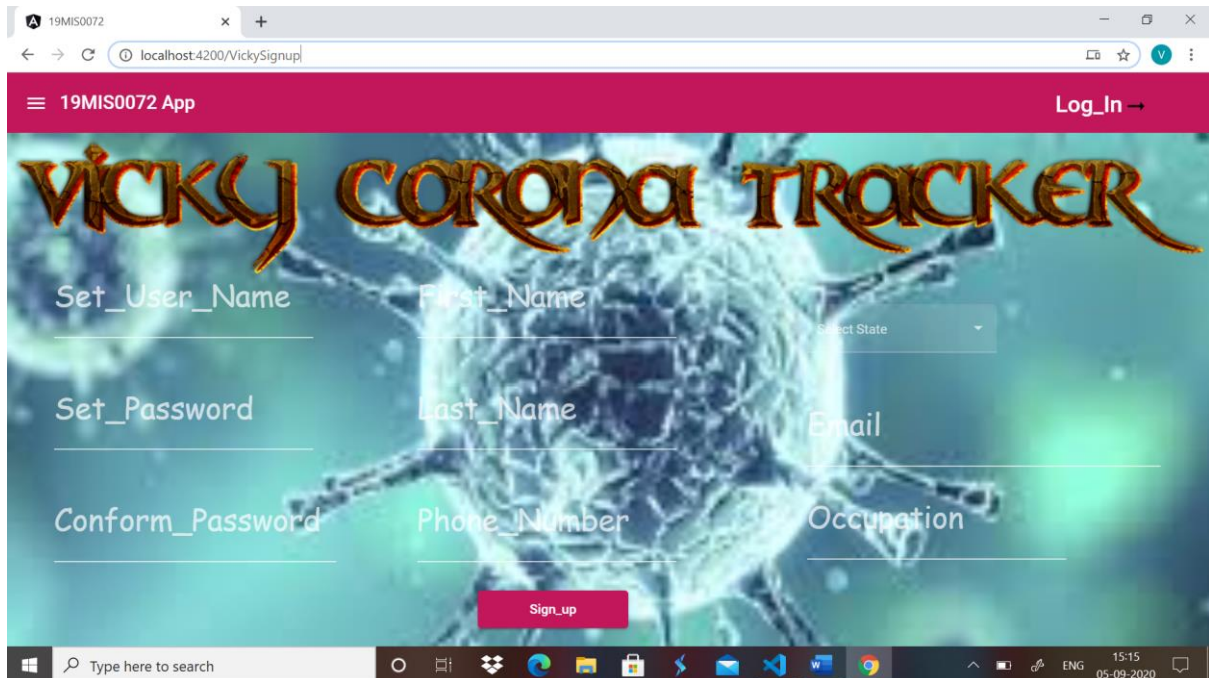
OUTPUT:

Log_In



Sign_UP

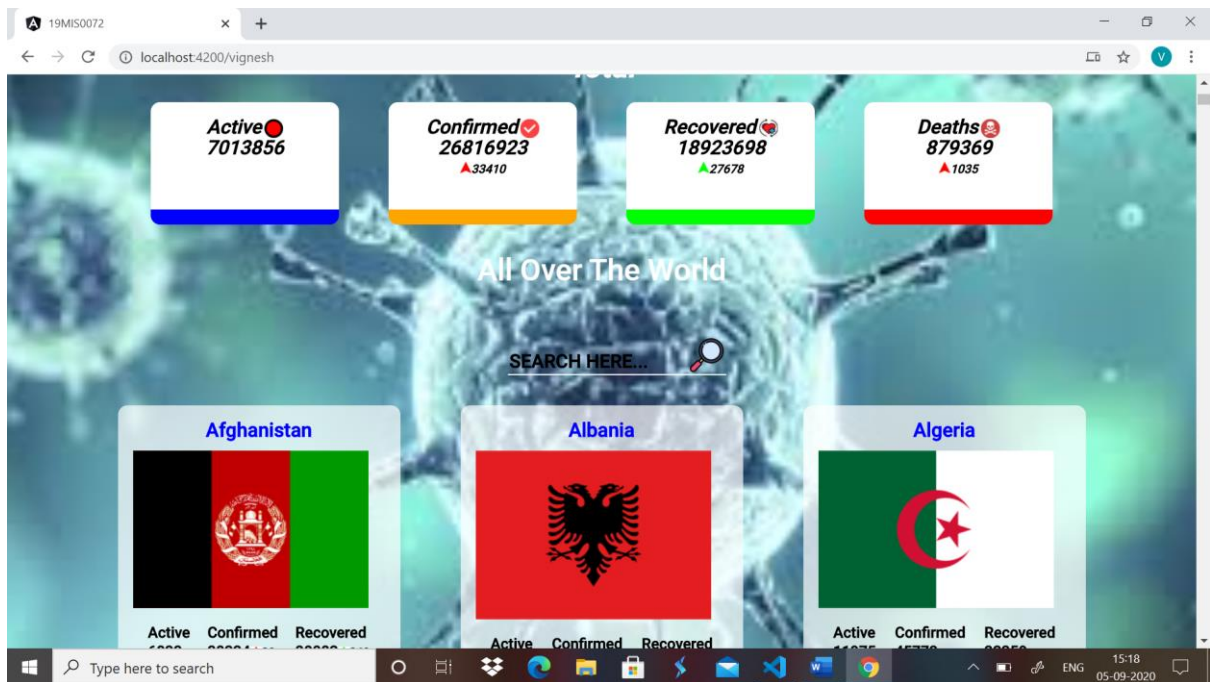
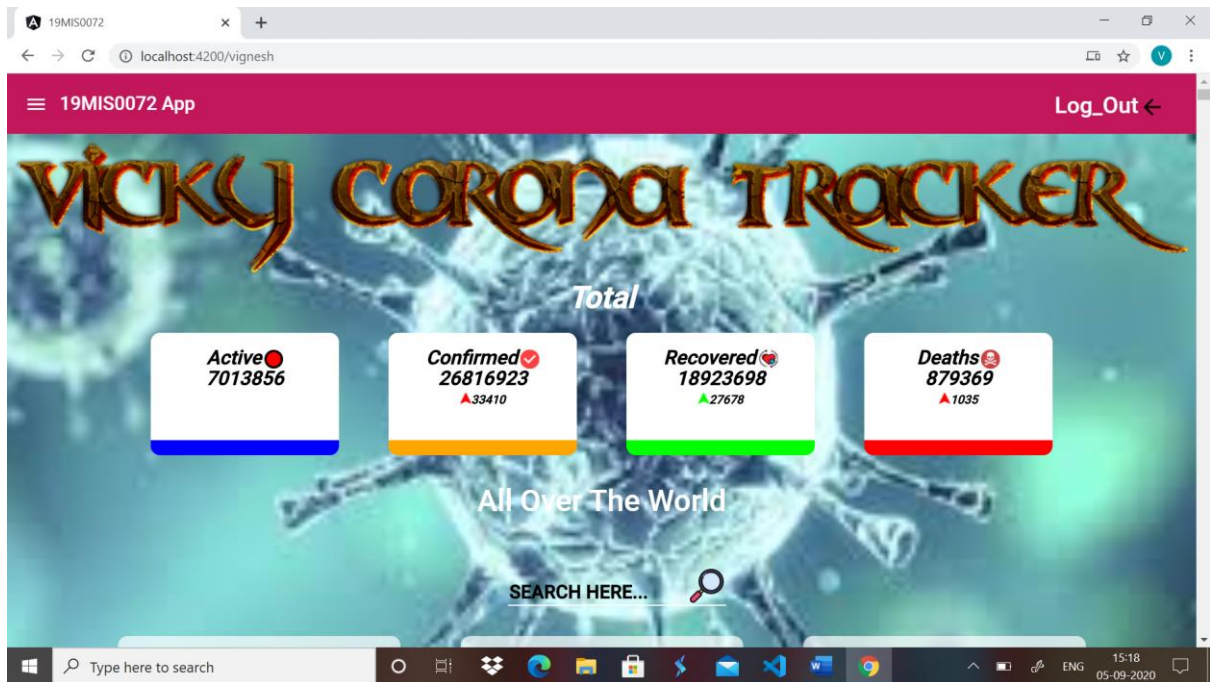
url: <http://localhost:4200/VickySignup>

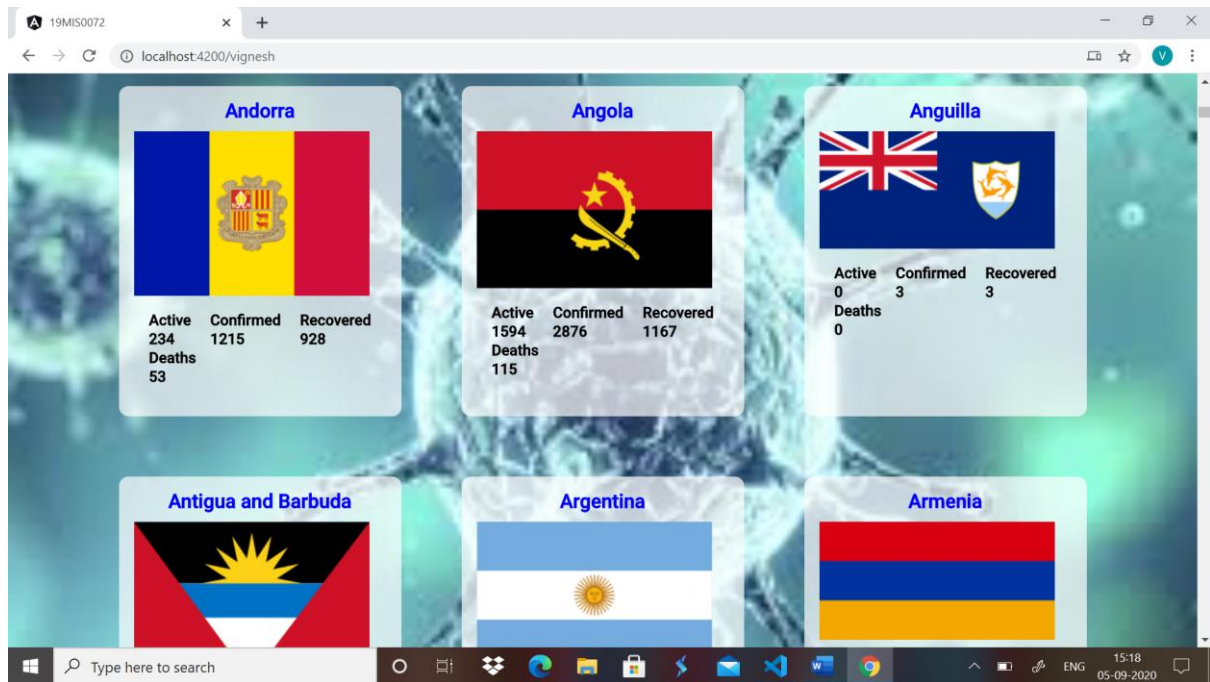


The screenshot shows a web browser window with the address bar displaying 'localhost:4200/VickySignup'. The page has a pink header with '19MIS0072 App' on the left and 'Log_In →' on the right. The main content area has a blue background with a glowing orb and the title 'VICKY CORONA TRACKER' in a stylized, metallic font. Below the title is a signup form with the following fields: 'Set_User_Name', 'First_Name', 'Select State' (a dropdown menu), 'Set_Password', 'Last_Name', 'Email', 'Conform_Password', 'Phone_Number', and 'Occupation'. A pink 'Sign_up' button is located at the bottom center of the form. The Windows taskbar is visible at the bottom of the screen, showing the search bar and various application icons.

Country details display.....

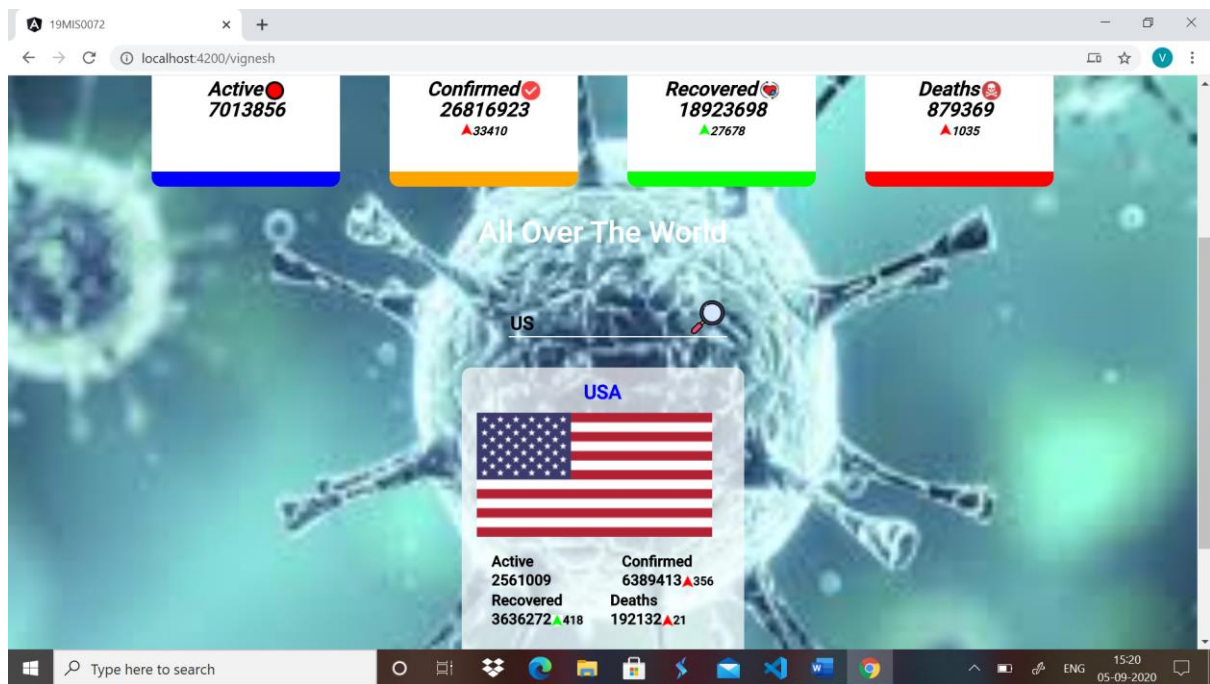
url: <http://localhost:4200/vignesh>



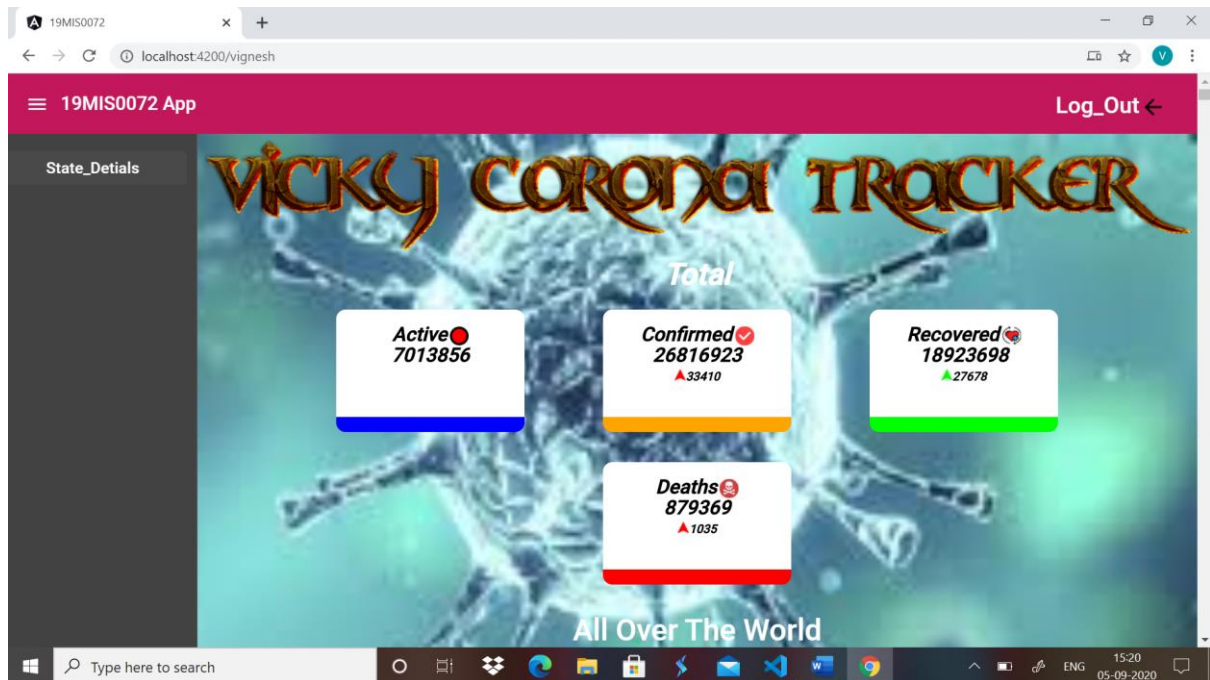


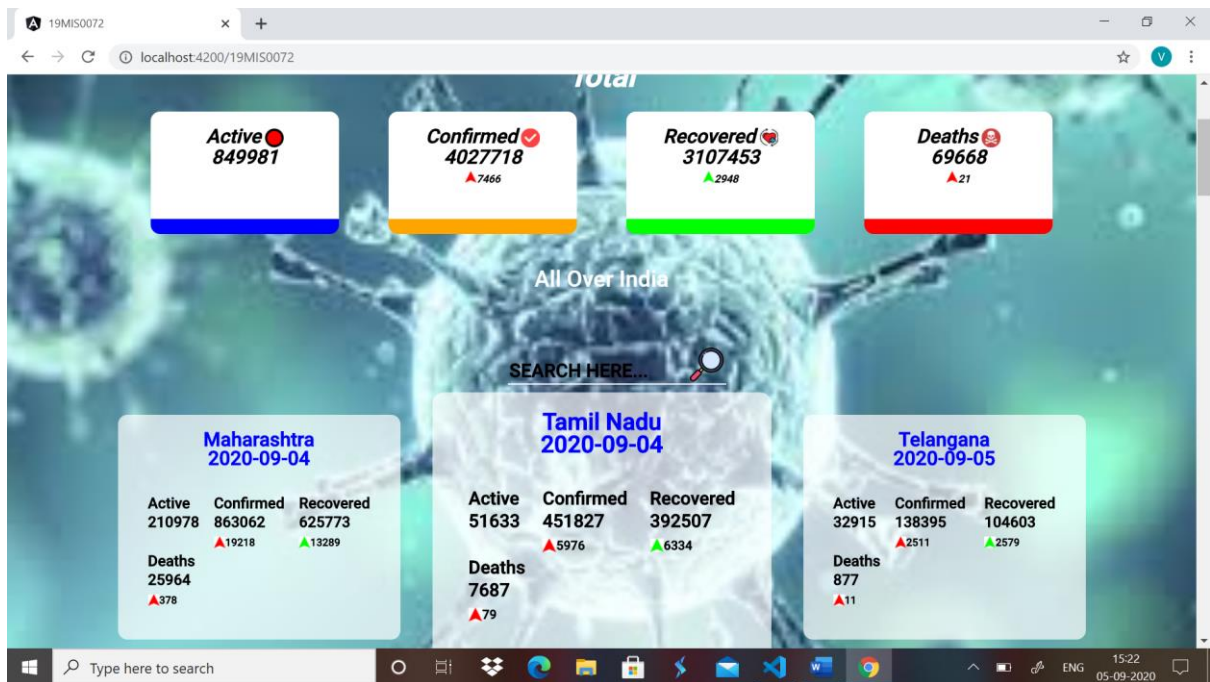
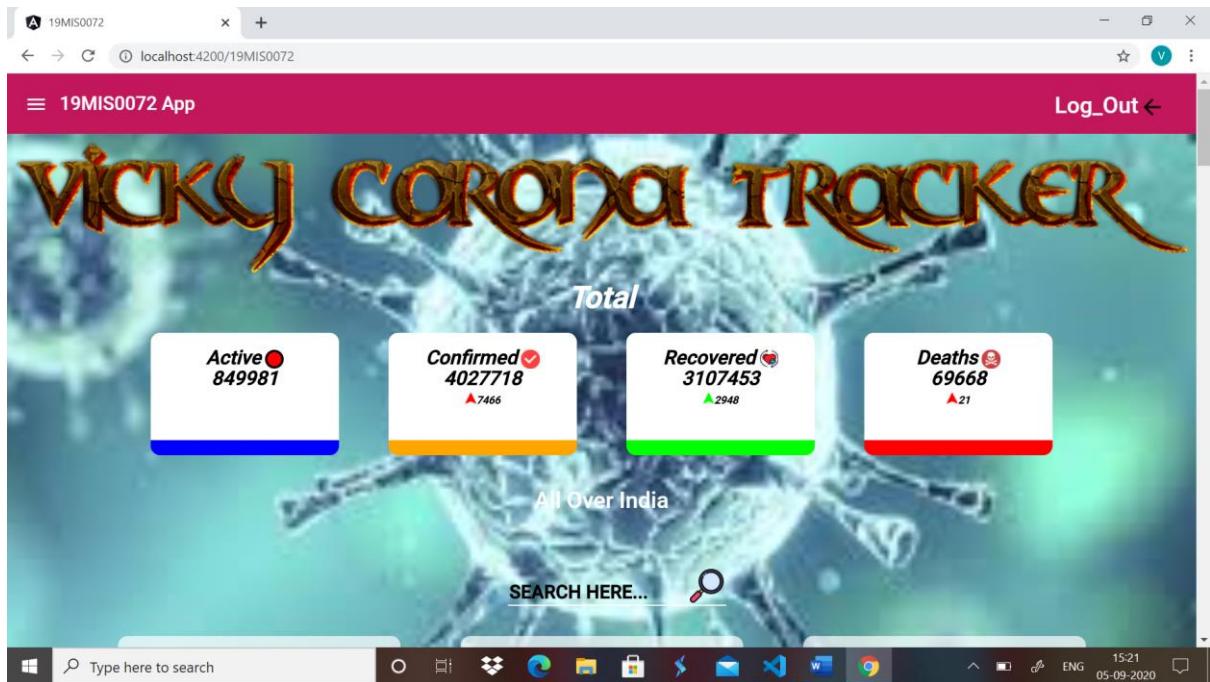
By scrolling down you can see 215 countries details corresponding to covid19...

Search...



State details...

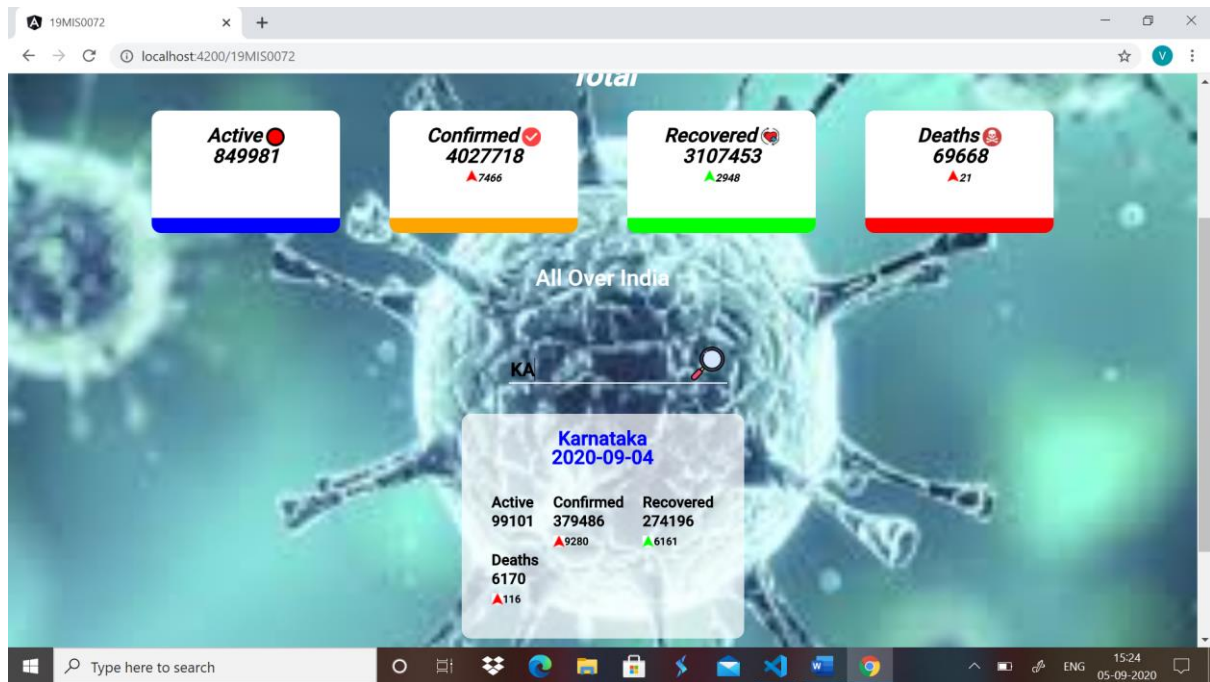






By scrolling down you can see 36 states details corresponding to covid19 in India.....

Search...



DONE BY V.VIGNESH

19MIS0072.

