

**School of Information Technology & Engineering**

A Project on

**COVID-19 Tracker Website**

To be submitted in partial fulfilling of the requirements for the course on

**Web Technologies – ITE1002 – G1**

Under the guidance of

**Prof. V. Mareeshwari**

Submitted By

Aashish Bansal (19BIT0346)

Yash Khandelwal (19BIT0345)

Aditya Maheshwari (19BIT0299)

Digital Assignment 1

# Abstract

This Project is a Simple COVID-19 Tracker Project which is made with the help of HTML, CSS, JavaScript, Bootstrap, Ajax and jQuery. We are using the fonts and certain characters from Font Awesome. The use of Bootstrap helps us reduce the amount of code with the predefined efficient classes, and hence making the processing faster and efficient. A lot of the CSS and Bootstrap code can be imported from the web while the website is running and hence it is faster.

In this project, we display a graph which contain the Recovered Cases, Deceased Cases and Total Confirmed Cases for the particular State in India. We can even compare two graphs be striking out one or more of the graphs by just clicking on it. Even if you want to view only one type of data, then we can just click on the other two and we will be able to see the parts which we need.

The data used for the project is obtained with the help of the APIs.

# Introduction

# Source Code

## Index.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<!-- Bootstrap JS -->

<script src="https://code.jquery.com/jquery-3.4.1.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>

<!-- Font Awesome -->

<script

src="https://kit.fontawesome.com/996973c893.js"

crossorigin="anonymous"

></script>

<!-- Google Fonts -->

<link

href="https://fonts.googleapis.com/css2?family=Baloo+Thambi+2:wght@400;500;600;700;800&display=swap"

rel="stylesheet"

/>

<!-- My Stylesheet -->

<link rel="stylesheet" href="style.css" />

<!-- My jQuery -->

<script src="main.js"></script>

<!-- Chart.js -->

<script src="https://cdnjs.cloudflare.com/ajax/libs/Chart.js/2.9.3/Chart.min.js"></script>

<title>Covid-19 Tracker India</title>

</head>

<body>

<div class="container-fluid bg-light p-5 text-center my-3">

<h1 class="">Covid-19 Tracker India</h1>

<h5 class="text-muted">

An opensource project to keep track of all the COVID-19 cases around the

world.

</h5>

</div>

<div class="container my-5">

<div class="row text-center">

<div class="col-3 text-warning">

<h5>Confirmed</h5>

<p id="confirmed"></p>

</div>

<div class="col-3 text-info">

<h5>Active</h5>

<p id="active"></p>

</div>

<div class="col-3 text-success">

<h5>Recovered</h5>

<p id="recovered"></p>

</div>

<div class="col-3 text-danger">

<h5>Deceased</h5>

<p id="deaths"></p>

</div>

</div>

</div>

<div class="container bg-light p-3 my-5 text-center">

<h5 class="text-info">"Prevention is the Cure."</h5>

<p class="text-muted">Stay Indoors Stay Safe.</p>

</div>

<canvas id="myChart"></canvas>

<div class="container text-center my-5">

<h6 class="text-info">

\*Click on the Confirmed/Recovered/Deaths buttons above to see the chart

individually.\*

</h6>

</div>

<footer class="footer mt-5 py-3 bg-light">

<div class="container text-center">

<span class="text-muted"

>Copyright &copy;2020,

<a href="https://packetcode.in" target="\_blank">Packetcode</a></span

>

</div>

</footer>

</body>

</html>

## Style.css

body {

font-family: "Baloo Thambi 2", cursive;

}

body {

font-family: "Baloo Thambi 2", cursive;

}

:root {

--blue: #007bff;

--indigo: #6610f2;

--purple: #6f42c1;

--pink: #e83e8c;

--red: #dc3545;

--orange: #fd7e14;

--yellow: #ffc107;

--green: #28a745;

--teal: #20c997;

--cyan: #17a2b8;

--white: #fff;

--gray: #6c757d;

--gray-dark: #343a40;

--primary: #007bff;

--secondary: #6c757d;

--success: #28a745;

--info: #17a2b8;

--warning: #ffc107;

--danger: #dc3545;

--light: #f8f9fa;

--dark: #343a40;

--breakpoint-xs: 0;

--breakpoint-sm: 576px;

--breakpoint-md: 768px;

--breakpoint-lg: 992px;

--breakpoint-xl: 1200px;

--font-family-sans-serif: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, "Helvetica Neue", Arial, "Noto Sans", sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol", "Noto Color Emoji";

--font-family-monospace: SFMono-Regular, Menlo, Monaco, Consolas, "Liberation Mono", "Courier New", monospace

}

::after,

::before {

box-sizing: border-box

}

html {

font-family: sans-serif;

line-height: 1.15;

-webkit-text-size-adjust: 100%;

-webkit-tap-highlight-color: transparent

}

article,

aside,

figcaption,

figure,

footer,

header,

hgroup,

main,

nav,

section {

display: block

}

body {

margin: 0;

font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, "Helvetica Neue", Arial, "Noto Sans", sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol", "Noto Color Emoji";

font-size: 1rem;

font-weight: 400;

line-height: 1.5;

color: #212529;

text-align: left;

background-color: #fff

}

hr {

box-sizing: content-box;

height: 0;

overflow: visible

}

h1,

h2,

h3,

h4,

h5,

h6 {

margin-top: 0;

margin-bottom: .5rem

}

p {

margin-top: 0;

margin-bottom: 1rem

}

legend {

display: block;

width: 100%;

max-width: 100%;

padding: 0;

margin-bottom: .5rem;

font-size: 1.5rem;

line-height: inherit;

color: inherit;

white-space: normal

}

progress {

vertical-align: baseline

}

.h1,

.h2,

.h3,

.h4,

.h5,

.h6,

h1,

h2,

h3,

h4,

h5,

h6 {

margin-bottom: .5rem;

font-weight: 500;

line-height: 1.2

}

.h1,

h1 {

font-size: 2.5rem

}

.h2,

h2 {

font-size: 2rem

}

.h3,

h3 {

font-size: 1.75rem

}

.h4,

h4 {

font-size: 1.5rem

}

.h5,

h5 {

font-size: 1.25rem

}

.h6,

h6 {

font-size: 1rem

}

## Main.js

$(document).ready(function () {

// Get JSON data from url

$.getJSON("https://api.covid19india.org/data.json", function (data) {

var states = [];

var confirmed = [];

var recovered = [];

var deaths = [];

var total\_active;

var total\_confirmed;

var total\_recovered;

var total\_deaths;

// Take the first element in statewise array and add the objects values into the above variables

total\_active = data.statewise[0].active;

total\_confirmed = data.statewise[0].confirmed;

total\_recovered = data.statewise[0].recovered;

total\_deaths = data.statewise[0].deaths;

// The each loop select a single statewise array element

// Take the data in that array and add it to variables

$.each(data.statewise, function (id, obj) {

states.push(obj.state);

confirmed.push(obj.confirmed);

recovered.push(obj.recovered);

deaths.push(obj.deaths);

});

// Remove the first element in the states, confirmed, recovered, and deaths as that is the total value

states.shift();

confirmed.shift();

recovered.shift();

deaths.shift();

// console.log(confirmed);

$("#confirmed").append(total\_confirmed);

$("#active").append(total\_active);

$("#recovered").append(total\_recovered);

$("#deaths").append(total\_deaths);

// Chart initialization

var myChart = document.getElementById("myChart").getContext("2d");

var chart = new Chart(myChart, {

type: "line",

data: {

labels: states,

datasets: [

{

label: "Confirmed Cases",

data: confirmed,

backgroundColor: "#f1c40f",

minBarLength: 100,

},

{

label: "Recovered",

data: recovered,

backgroundColor: "#2ecc71",

minBarLength: 100,

},

{

label: "Deceased",

data: deaths,

backgroundColor: "#e74c3c",

minBarLength: 100,

},

],

},

option: {},

});

});

});

# Screenshots

















