

MINI PROJECT (2020-21)

WorldWide COVID-19 (Health and Wellness)

Bachelor of Technology
in
Computer Science and Engineering

Team Members

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Under the Guidance of

Mr. Vaibhav Diwan

Department of Computer Engineering and Applications

Institute of Engineering and Technology



GLA University
Mathura- 281406, India
Dec, 2020



**Department of Computer Engineering and Applications GLA
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Chaumuha, Mathura – 281406 U.P (India)**

DECLARATION

We hereby declare that the work which is being presented in the Mini Project “**Worldwide COVID-19 (Health and Wellness)**”, in fulfillment of the requirements for Mini Project in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of our own work carried under the supervision of **Mr. Vaibhav Diwan (Technical Trainer)**.

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CERTIFICATE

This is to certify that the project entitled “**Worldwide COVID-19 (Health and Wellness)**”, carried out in Mini Project – I is a bonafide work done by

Ayush Gupta (181500172)

Kshitij Gupta (181500337)

and is submitted in fulfillment of the requirements for the award of the Bachelor of Technology (Computer Science and Engineering).

Signature of Supervisor:

Name of Supervisor: Mr. Vaibhav Diwan (Technical Trainer)

Date: 25/11/2020

Acknowledgement

It gives us a great sense of pleasure to present the report of the B. Tech Mini Project undertaken during B. Tech. Third Year. This project in itself is an acknowledgement to the inspiration, drive and technical assistance contributed to it by many individuals. This project would never have seen the light of the day without the help and guidance that we have received.

Our heartiest thanks to Dr. (Prof). Anand Singh Jalal, Head of Dept., Department of CEA for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal.

We owe a special debt of gratitude to Mr. Vaibhav Diwan, Technical Trainer, for his constant support and guidance throughout the course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. He has showered us with all his extensively experienced ideas and insightful comments at virtually all stages of the project & has also taught us about the latest industry-oriented technologies.

We also do not like to miss the opportunity to acknowledge the contribution of all instructors who are available on YouTube and Stackoverflow. I would like to thank all my friends who helped me in making this project.

Last but not the least, I would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation during the project.

**Ayush Gupta
Kshitij Gupta**

ABSTRACT

The main idea of the project is to build an application that will help the users to get familiar with all the necessary information regarding pandemic coronavirus. For viewing all the information users have to sign up/register on our application. Some important information which this application is going to provide is listed below: -

- What is Coronavirus, from where it starts spreading, and history of coronavirus?
- How it affects our health, what are the symptoms of corona positive?
- Government Norms about corona virus protection, safety measures.
- Health and Wellness tips which include herbal medical details, about yoga, etc.

With the help of his application users will also be able to see all the live information about Covid cases country wise and state wise (India). Users can also fill a suggestion form privately if they want to give us some more tips about covid-19 or any other update related to our web application.

In this project, we have used front-end technologies for user interface and back-end technologies for storing user data and running our application on the server. For Front-end, we have used **HTML-5** to provide the basic structure of all our pages in our application, **CSS-3** (Cascading Style Sheets) for describing the presentation of Web pages, including colors, layout, and many more. Bootstrap for designing purposes because **Bootstrap** is a potent front-end framework used to create modern websites and web apps and last but not least JavaScript to provide functioning to our web application. For Back-end, we have used NodeJS as a server runtime environment, ExpressJs as a framework to support back end server, MongoDB as a database to store user data in json (document-oriented format), EJS Templating to render our web application pages and also enhance the reusability of our code and RoboT to visualize the MongoDB database.

By using both these types of technologies, we have made a web application which is user friendly and creates awareness about COVID-19 among people. With this application, we have tried to give as much information as possible to our users that will help them to stay fit and healthy in this pandemic situation.

Table of Contents

Declaration	2
Certificate	3
Acknowledgments	4
Abstract	5
Table of Contents	6
1. Introduction	7
1.1 General Introduction to the topic	7
1.2 Problem Definition & Objective	8
2. Software Requirement Analysis	9
3. Software Design	14
3.1 Use Case Diagram	15
3.2 DFD and Database Diagram	
4. Implementation	17
4.1 Implementation Details	17
4.2 Some Screenshots	19
5. Testing	29
6. Appendices	33
7. References	51

INTRODUCTION

1.1 General Introduction to the topic

We are going to build a web application pertaining to pandemic COVID-19. The COVID-19 pandemic has resulted in over 4.3 million confirmed cases and over 290,000 deaths globally. It has also sparked fears of an impending economic crisis and recession. Social distancing, self-isolation and travel restrictions have led to a reduced workforce across all economic sectors and caused many jobs to be lost. Schools have closed down, and the need for commodities and manufactured products has decreased. In contrast, the need for medical supplies has significantly increased. The food sector is also facing increased demand due to panic-buying and stockpiling of food products.

Our Web Application will be built using web languages and web frameworks. In this application, first we are creating a signup/register page through which a user can register on our website. The user can register them by their mail id. After login, users get to know all the information about coronavirus, its effects and remedies. Users can also get the live status of the covid-19 cases. We are also including an update section where users can give their views/suggestions about covid19.

Some main topics we are covering:

1. What is Coronavirus, from where it starts spreading, and history of coronavirus?
2. How it affects our health, what are the symptoms of corona positive?
3. Government Norms about corona virus protection, safety measures.
4. Health and Wellness tips which includes herbal medical details, about yoga, etc.
5. Live Status of Coronavirus
6. Suggestions message bar
7. Contact Information

When the user login to our website then they can see some sections which contain the glimpse of some topic discussed above and by clicking on the links the user can go to the real page which will get all the information about that topic.

We will use Front-end as well as Back-end technologies for making our web application. By using HTML, CSS, JavaScript and Bootstrap we will create our UI (user interface) section. We will work on NodeJS and ExpressJs to fetch out live data from API. We will also use EJS Templating for reusability and simplicity of our code. We will use MongoDB for storing our data.

PROBLEM DEFINITION

The COVID-19 pandemic has resulted in over 4.3 million confirmed cases and over 290,000 deaths globally. It has also sparked fears of an impending economic crisis and recession. Social distancing, self-isolation and travel restrictions have led to a reduced workforce across all economic sectors and caused many jobs to be lost. Schools have closed down, and the need for commodities and manufactured products has decreased. In contrast, the need for medical supplies has significantly increased. The food sector is also facing increased demand due to panic-buying and stockpiling of food products. So, we want to build a web application that will provide users all the necessary information about COVID-19. This will help the users to get to know about covid-19 and its effects, safety measures, government issued rules and regulations for this pandemic, how to stay fit and healthy, etc. We have tried our best to cover as much information as possible about COVID-19 to create awareness among the people through this application.

OBJECTIVE

The main aim of our project is to target thousands of users to use and engage with our app. Our main agenda for creating this web app is to develop awareness among people about covid-19 and its effects. We also want users to get live status of coronavirus whenever they want. We also take care that we provide them with the best Health and wellness tips, so they remain healthy and fit. We will provide a platform where users can write their suggestions pertaining to coronavirus after signup/login. We will provide most of the information in one place so that the users need not to go elsewhere to collect information for COVID-19.

SOFTWARE REQUIREMENT ANALYSIS

VISUAL STUDIO:

Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight. It can produce both native code and managed code.

Visual Studio includes a code editor supporting IntelliSense (the code completion component) as well as code refactoring. The integrated debugger works both as a source-level debugger and a machine-level debugger. Other built-in tools include a code profiler, forms designer for building GUI applications, web designer, class designer, and database schema designer. It accepts plug-ins that enhance the functionality at almost every level—including adding support for source control systems (like Subversion and Git) and adding new tool sets like editors and visual designers for domain-specific languages or toolsets for other aspects of the software development lifecycle (like the Team Foundation Server client: Team Explorer).

Visual Studio supports 36 different programming languages and allows the code editor and debugger to support (to varying degrees) nearly any programming language, provided a language-specific service exists. Built-in languages include C,[6] C++, C++/CLI, Visual Basic .NET, C#, F#, JavaScript, TypeScript, XML, XSLT, HTML, and CSS. Support for other languages such as Python, Ruby, Node.js, and M among others is available via plug-ins. Java (and J#) were supported in the past.

WEB BROWSER :

A **web browser** (commonly referred to as a **browser**) is a software application for accessing information on the World Wide Web. Each individual web page, image, and video is identified by a distinct Uniform Resource Locator (URL), enabling browsers to retrieve these resources from a web server and display them on the user's device.

A web browser is not the same thing as a search engine, though the two are often confused.[1][2] For a user, a search engine is just a website, such as google.com, that stores searchable data about other websites. But to connect to a website's server and display its web pages, a user needs to have a web browser installed on their device.[3]

The most popular browsers are Chrome, Firefox, Safari, Internet Explorer, and Edge.

Language and Framework Requirements:

HTML

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of cornerstone technologies for the World Wide Web.

Web Browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML Elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by *tags*, written using angle brackets. Tags such as `` and `<input/>` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), maintainer of both the HTML and the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997. HTML code ensures the proper formatting of text and images so that your Internet browser may display them as they are intended to look. Without HTML, a browser would not know how to display text as elements or load images or other elements. HTML also provides a basic structure of the page, upon which Cascading Style Sheets are overlaid to change its appearance. One could think of HTML as the bones (structure) of a web page, and CSS as its skin (appearance).

CSS (Cascading Style Sheets)

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

BOOTSTRAP

Bootstrap is a free and open front-end framework for designing websites and web applications. It contains HTML - and CSS -based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. Unlike many earlier web frameworks, it concerns itself with front end development only.

Bootstrap is the second most-starred project on GitHub, with more than 129,000 stars. Bootstrap comes with several JavaScript components in the form of jQuery plugins. They provide additional user interface elements such as dialog boxes, tooltips, and carousels. They also extend the functionality of some existing interface elements, including for example an auto-complete function for input fields. In version 1.3, the following JavaScript plugins are supported: Modal, Dropdown, Scrollspy, Tab, Tooltip, Popover, Alert, Button, Collapse, Carousel and Typeahead.

JAVA SCRIPT (JS)

JavaScript, often abbreviated as **JS**, is a high-level, interpreted programming language that conforms to the ECMAScript specification. It is a programming language that is characterized as dynamic, weakly typed, prototype-based and multi-paradigm.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it, and major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities. It relies upon the host environment in which it is embedded to provide these features.

Initially only implemented client-side in web browsers, JavaScript engines are now embedded in many other types of host software, including server-side in web servers and databases, and in non-web programs such as word processors and PDF software, and in runtime environments that make JavaScript available for writing mobile and desktop applications, including desktop widgets.

The terms *Vanilla JavaScript* and *Vanilla JS* refer to JavaScript not extended by any frameworks or additional libraries. Scripts written in Vanilla JS are plain JavaScript code.

Although there are similarities between JavaScript and Java, including language name, syntax, and respective standard libraries, the two languages are distinct and differ greatly in design. JavaScript was influenced by programming languages such as Self and Scheme.

FONT AWESOME

Font Awesome is a font and icon toolkit based on CSS and LESS. It was made by Dave Gandy for use with Twitter Bootstrap, and later was incorporated into the BootstrapCDN. Font Awesome has a 20% market share among those websites which use third-party Font Scripts on their platform, ranking it second place after Google Fonts.

Font Awesome 5 was released on December 7, 2017 with 1,278 icons[3]. Version 5 comes in two packages: Font Awesome Free and the proprietary Font Awesome Pro (available for a fee). The free versions (all releases up to 4 and the free version for 5) are available under SIL Open Font License 1.1, Creative Commons Attribution 4.0, and MIT License.

Node JS & Express JS:

Node.js is an open source and cross-platform runtime environment for executing **JavaScript** code outside of a browser. You need to remember that NodeJS is not a framework and it's not a programming language. Most of the people are confused and understand it's a framework or a programming language. We often use Node.js for building back-end services like APIs like Web App or Mobile App. It's used in production by large companies such as Paypal, Uber, Netflix, Walmart and so on.

Express is a small framework that sits on top of Node.js's web server functionality to simplify its APIs and add helpful new features. It makes it easier to organize your application's functionality with middle ware and routing; it adds helpful utilities to Node.js's HTTP objects; it facilitates the rendering of dynamic HTTP objects.

Express is a part of MEAN stack, a full stack JavaScript solution used in building fast, robust, and maintainable production web applications.

MongoDB:

MongoDB, the most popular NoSQL database, is an open-source document-oriented database. The term 'NoSQL' means 'non-relational'. It means that MongoDB isn't based on the table-like relational database structure but provides an altogether different mechanism for storage and retrieval of data. This format of storage is called JSON format.

SQL databases store data in tabular format. This data is stored in a predefined data model which is not very much flexible for today's real-world highly growing applications. Modern applications are more networked, social and interactive than ever. Applications are storing more and more data and are accessing it at higher rates.

Relational Database Management System(RDBMS) is not the correct choice when it comes to handling big data by the virtue of their design since they are not horizontally scalable. If the database runs on a single server, then it will reach a scaling limit. NoSQL databases are more scalable and provide superior performance. MongoDB is such a NoSQL database that scales by adding more and more servers and increases productivity with its flexible document model.

Requirements:

Following are the hardware and the software requirements for our project:

a) Hardware:

- ✓ Laptop/Desktop
- ✓ 1.8 GHz or faster processor. Quad-core or better recommended
- ✓ 4 GB of RAM and core i3 processor
- ✓ Hard disk space: Minimum of 500MB

b) Software:

- ✓ Windows 8.1 and above
- ✓ Visual Studio Code
- ✓ Web Browser
- ✓ Bootstrap
- ✓ Github Desktop

c) Language and Framework Requirements:

- ★ HTML 5
- ★ CSS3
- ★ Bootstrap 4 / 5
- ★ JavaScript
- ★ NodeJS
- ★ ExpressJs
- ★ MongoDB
- ★ EJS Templating

Software Design

Use Case:

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. A use case diagram can identify the different types of users of a system and the different use cases and will often be accompanied by other types of diagrams as well. The use cases are represented by either circles or ellipses.

Data Flow Diagrams (DFD's):

A data-flow diagram is a way of representing a flow of data through a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow, there are no decision rules and no loops. Specific operations based on the data can be represented by a flowchart.

Using any convention's DFD rules or guidelines, the symbols depict the four components of data flow diagrams.

External entity: an outside system that sends or receives data, communicating with the system being diagrammed.

Process: any process that changes the data, producing an output. It might perform computations, or sort data based on logic, or direct the data flow based on business rules. A short label is used to describe the process, such as "Submit payment."

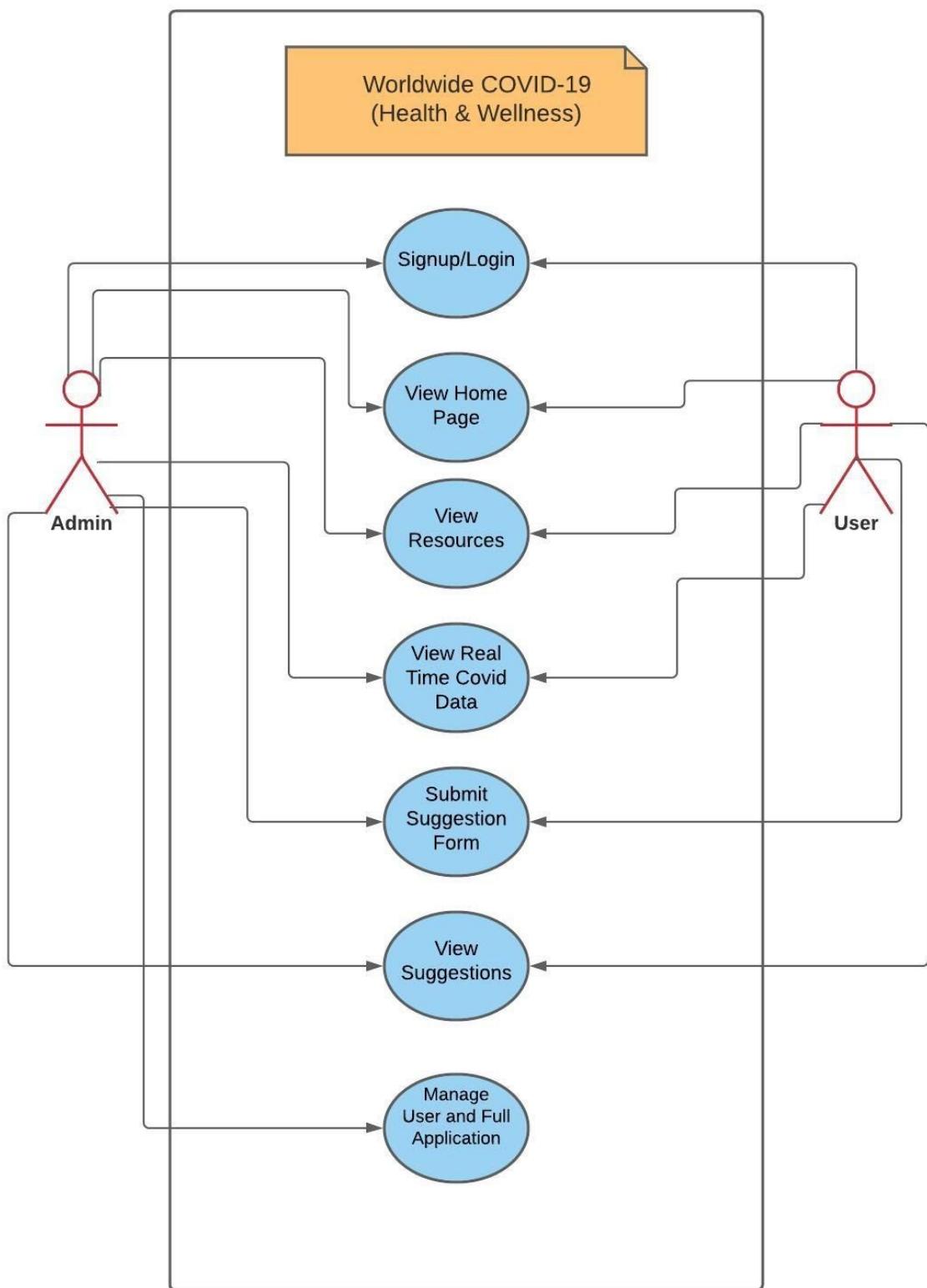
Data store: files or repositories that hold information for later use, such as a database table or a membership form. Each data store receives a simple label, such as "Orders."

Data flow: the route that data takes between the external entities, processes and data stores. It portrays the interface between the other components and is shown with arrows, typically labeled with a short data name, like "Billing details."

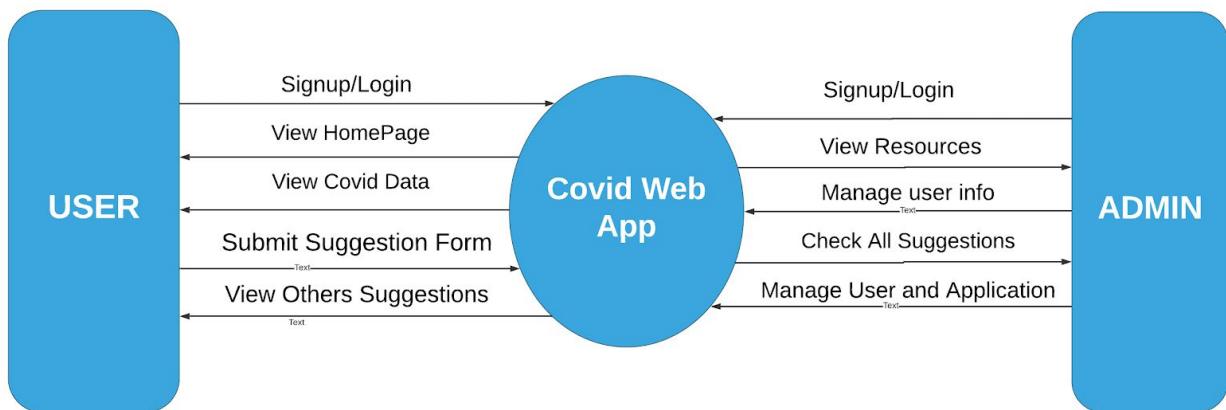
Data Model Design:

MongoDB, the leading NoSQL database, offers a document data model that allows for iterative and adaptive data modeling without a predefined schema. With MongoDB, you can dynamically modify the schema without interruption, simplify your design and reduce the overall effort to develop applications.

Use Case Diagram:



Data Flow Diagram:-



Database Models:

- i) User
- ii) Form

USER	
name	string
email	string
password	string
date	date

FORM	
name	string
email	string
suggestion	string
timestamps	-

IMPLEMENTATION DETAILS

We have divided our project into four modules:

- a. Front-end (User Interface)
- b. Back-end (Server-Side)
- c. Database (No-SQL Database)
- d. Deploying our application

Part (i):

We have started our project with first part i.e. **Front-end**. In this part, we have used HTML-5 (Hypertext Markup Language) to provide structure to our web pages, CSS-3 (Cascading Style Sheets) for describing the presentation of Web pages, including colors, layout, and many more. We have also used bootstrap for designing purposes because **Bootstrap** is a potent front-end framework used to create modern websites and web apps. It's open-source and free to use, yet features numerous HTML and CSS templates for UI interface elements such as buttons and forms. Bootstrap also supports JavaScript extensions. With the help of bootstrap we can easily make our website that adjusts on mobile devices, tablets and desktops.

We have used EJS (Embedded JavaScript Templating) that improves our code reusability and it helps to create an HTML page with minimal code just by saving some reusable text in a separate file and importing that file content whenever we need.

In the beginning, we have designed our registration page with the help of HTML EJS, CSS and Bootstrap. In this page, users can easily register themselves by simply filling the required details. We have also made a sign in page that will help users to log in if they are already registered to our web application.

Now, our homepage will help users to interact with our web application in a very easy and efficient manner. We have provided a lot of information about our project topic on our home page, but if they want the detailed information users have to click on that particular instance that will navigate them to their required information part.

Home page consists of so many sections like Awareness, Covid live, Contact, Suggestion. In the Awareness section, we have provided information about the safety measures, Health related issues, etc. regarding covid-19. In Covid live section, users can see live updates of covid-19 in country wise and for all states in India they will navigate to another separate page. In the contact section, this section is going to contain the developer's information and the suggestion section will be going to contain all the suggestions which users want to give regarding Covid or for our web application.

Part (ii)

Now coming to second part i.e. **Back-end**. In this part we have used JavaScript, Node JS, and ExpressJs as a framework for Node JS (It is used for easier creation of web applications and services) and EJS which is a Templating engine used by Node.js.

By using these technologies, first we are covering the register and login page. We get all the data entered by the user onto our server and by applying some validations we can process the data for further registration and sign in.

We are using API to get all the live Covid updates state wise as well as country wise. In case of state-wise we are taking data only for India. We will show data in tabular form and the first column consist of country name, second column consist of number of active cases, third column consist of number of recovered cases, fourth column consist of number of deceased cases and last one consist of number of confirmed cases.

For the suggestion form we have taken data onto our server i.e. name, email and their respective suggestions. And process the data to store on our database.

Part (iii)

In the third part, we are considering databases. With the help of MongoDB we are storing user's data. **MongoDB** is an open-source document-based database management tool that stores data in JSON-like formats. It is a highly scalable, flexible, and distributed NoSQL database. With this database we will define some user schema and apply some validations for the data.

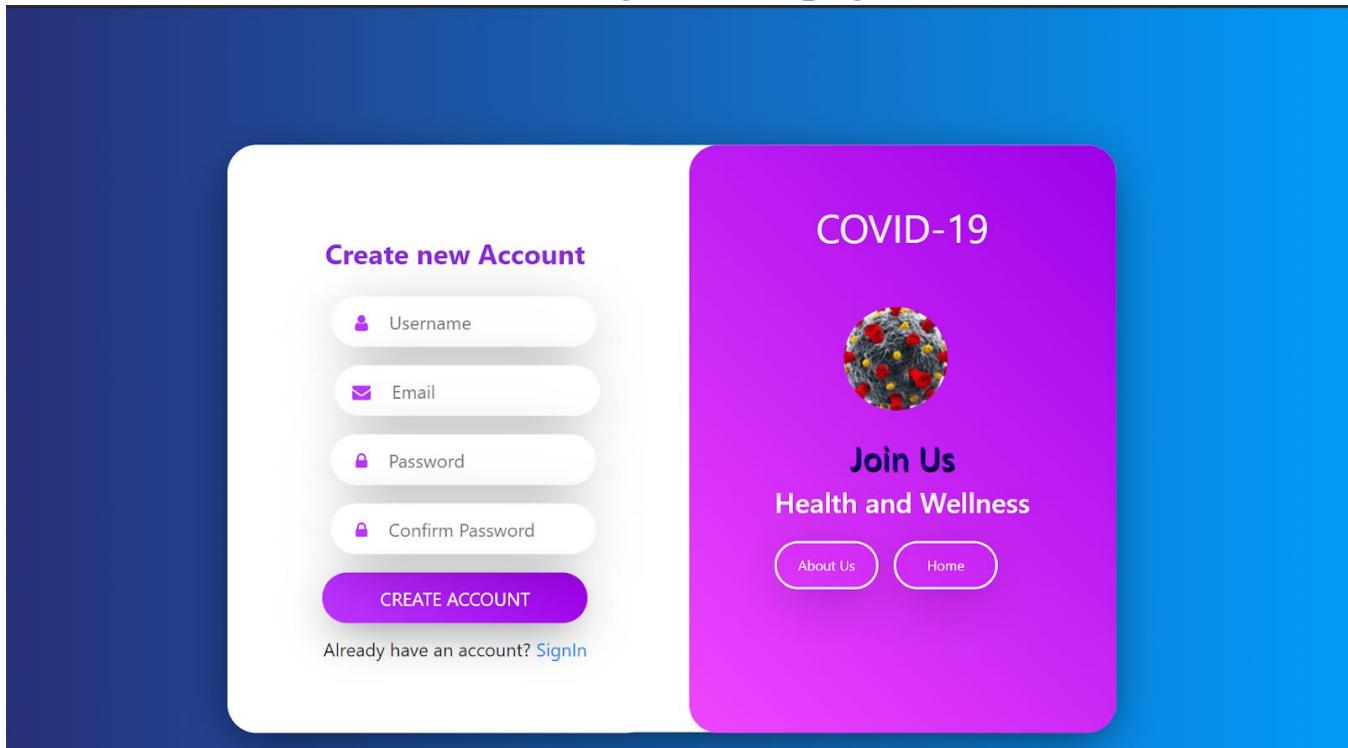
After combining all three modules we are able to make a responsive web application that will provide users much functionality.

Part (iv)

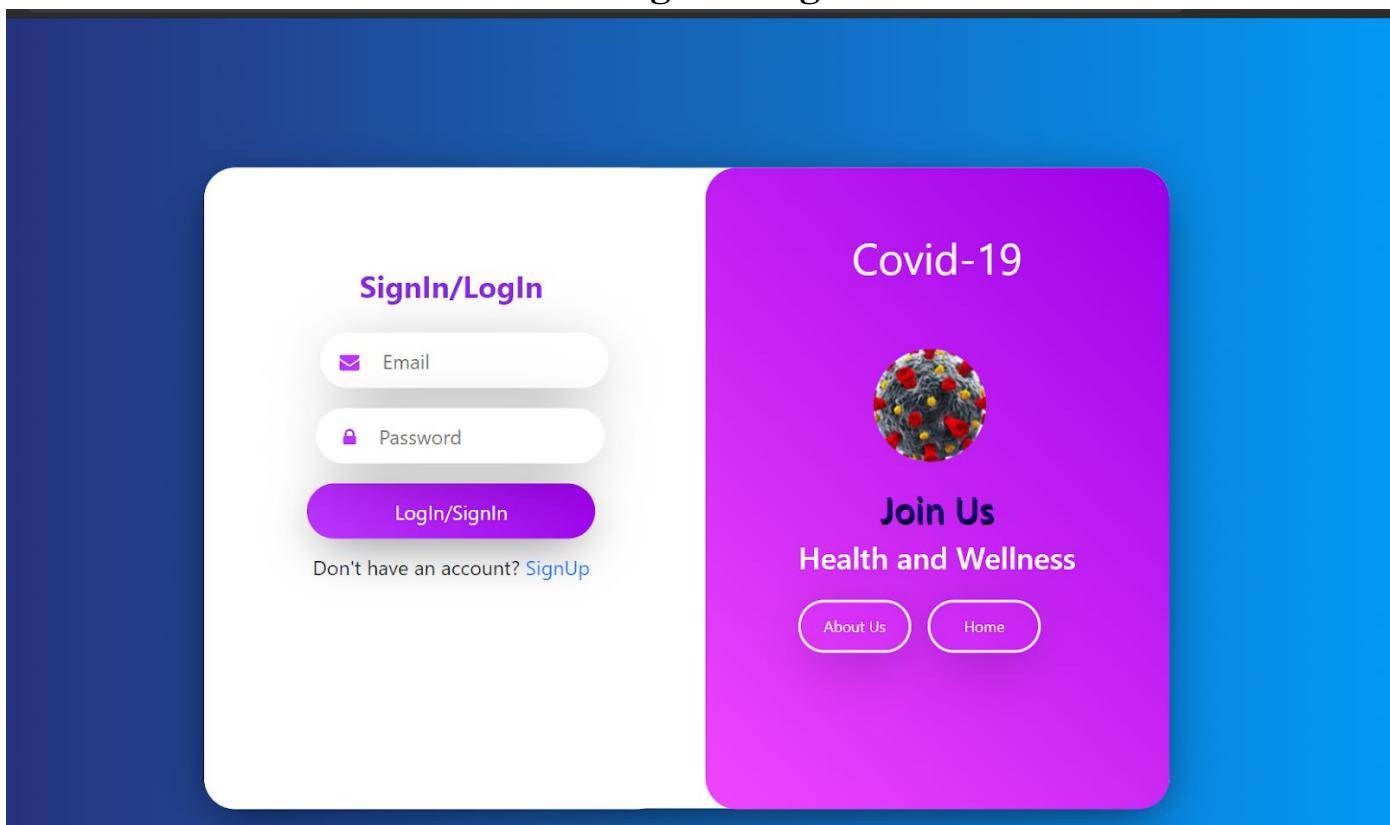
In the fourth part, we are going to deploy our application over the internet so that users can use this application from anywhere in the world.

SOME SCREENSHOTS

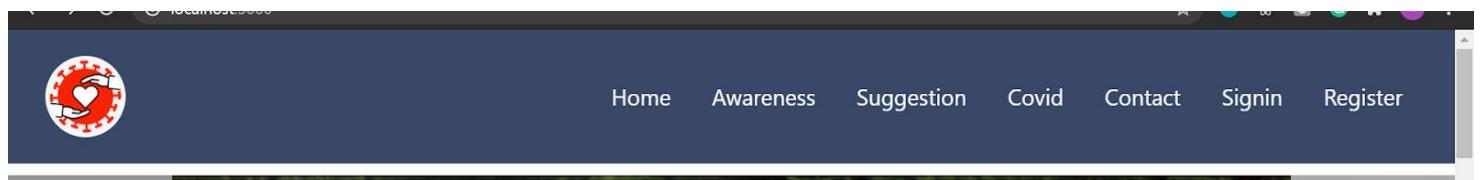
Registration page:



Sign in Page:



Navigation Bar:



Carousel Section:



Real time COVID Data

COVID-19 CORONAVIRUS PANDEMIC

Confirmed

59162661

Active

19877203

Recovered

37889083

Deceased

1396375

[Click here to See Live pie chart Status for India and World](#)

Pie Chart:

Covid-19 Tracker India

Confirmed

9221998

Active

443765

Recovered

8641404

Deceased

134743

Maharashtra Karnataka Andhra Pradesh Tamil Nadu Uttar Pradesh Kerala Delhi West Bengal Odisha Telangana Bihar
Rajasthan Assam Chhattisgarh Haryana Gujarat Madhya Pradesh Punjab Jharkhand Jammu and Kashmir Uttarakhand Goa
Puducherry Tripura Himachal Pradesh Manipur Arunachal Pradesh Chandigarh Meghalaya Nagaland Ladakh
Andaman and Nicobar Islands Sikkim Dadra and Nagar Haveli and Daman and Diu Mizoram State Unassigned Lakshadweep



Covid-19 Tracker World

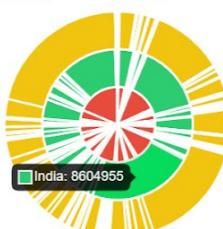
Confirmed

Active

Recovered

Deceased

Sri Lanka Sudan Suriname Swaziland Sweden Switzerland Syrian Arab Republic (Syria) Taiwan, Republic of China Tajikistan
Tanzania, United Republic of Thailand Timor-Leste Togo Trinidad and Tobago Tunisia Turkey Uganda Ukraine United Arab Emirates
United Kingdom United States of America Uruguay Uzbekistan Vanuatu Venezuela (Bolivarian Republic) Viet Nam Western Sahara Yemen
Zambia Zimbabwe



Two-Column Section:

Economic impact on GDP

The economic impact of the 2020 coronavirus pandemic in India has been largely disruptive. India's growth in the fourth quarter of the fiscal year 2020 went down to 3.1% according to the Ministry of Statistics.

The Chief Economic Adviser to the Government of India said that this drop is mainly due to the coronavirus pandemic effect on the Indian economy.

[Learn More](#)



By Clicking on button user will get detailed description:

Economic impact of the COVID-19 pandemic in India



The economic impact of the 2020 coronavirus pandemic in India has been largely disruptive. India's growth in the fourth quarter of the fiscal year 2020 went down to 3.1% according to the Ministry of Statistics. The Chief Economic Adviser to the Government of India said that this drop is mainly due to the coronavirus pandemic effect on the Indian economy. Notably India had also been witnessing a pre-pandemic slowdown, and according to the World Bank, the current pandemic has "magnified pre-existing risks to India's economic outlook".

The World Bank and rating agencies had initially revised India's growth for FY2021 with the lowest figures India has seen in three decades since India's economic liberalization in the 1990s. However, after the announcement of the economic package in mid-May, India's GDP estimates were downgraded even more to negative figures, signalling a deep recession. (The ratings of over 30 countries have been downgraded during this period.) On 26 May, CRISIL announced that this will perhaps be India's worst recession since

Meet the Real Heroes...



Doctors

*Thanks for making me love life again,
Thanks for easing my pain, You mean a lot,
I want you to know, keep blessing people wherever you go.*



Workers

No matter how much falls on us, we keep plowing ahead. That's the only way to keep roads clear.



Soldiers

*You are the greatest hero in this story.
Your intelligence, bravery and compassion are the saving grace of this nation during this dark episode.*

Detailed Section:

What you want to know about COVID?

WHAT IS COVID?

[Learn More.....](#)

HISTORY OF COVID...

[Learn More.....](#)

LIVE COVID STATUS...

[Learn More.....](#)

HELPLINE NUMBERS...

[Learn More.....](#)

**By Clicking on “learn more” button user will navigate to that detailed page:
e.g. History of COVID:**

History

Coronaviruses were first discovered in the 1930s when an acute respiratory infection of domesticated chickens was shown to be caused by infectious bronchitis virus (IBV). In the 1940s, two more animal coronaviruses, mouse hepatitis virus (MHV) and transmissible gastroenteritis virus(TGEV), were isolated. It was not realized at the time that these three different viruses were related. Human coronaviruses were discovered in the 1960s.

Human coronaviruses have since been identified, including SARS-CoV in 2003, HCoV NL63 in 2004, HCoV HKU1 in 2005, MERS-CoV in 2012, and SARS-CoV-2 in 2019. There have also been a large number of animal coronaviruses identified since the 1960s

A novel strain of coronavirus — SARS-CoV-2 — was first detected in December 2019 in Wuhan, a city in China's Hubei province with a population of 11 million, after an outbreak of pneumonia without an obvious cause. The virus has now spread to over 200 countries and territories across the globe, and was characterised as a pandemic by the World Health Organization (WHO) on 11 March 2020. As of 26 July 2020, there are about 14 Million laboratory-confirmed cases of coronavirus disease 2019 (COVID-19) infection globally, with 6 lakh reported deaths.

HUMAN CORONA VIRUS

Coronaviruses are named for the crown-like spikes on their surface. There are four main sub-groupings of coronaviruses, known as alpha, beta, gamma, and delta. Human coronaviruses were first identified in the mid-1960s.

Common Human Coronaviruses

229E (alpha coronavirus)
NL63 (alpha coronavirus)
OC43 (beta coronavirus)
HKU1 (beta coronavirus)

Other Human Coronaviruses

MERS-CoV (the beta coronavirus that causes Middle East Respiratory Syndrome, or MERS)
SARS-CoV (the beta coronavirus that causes severe acute respiratory syndrome, or SARS)
SARS-CoV-2 (the novel coronavirus that causes coronavirus disease 2019, or COVID-19)

Suggestion Form

Welcome Ayush

[Logout](#) [Home](#)

Suggestion Form

Name

Write your name here

Email address

name@example.com

Your Suggestion

Write your suggestion

SHARE
YOUR
IDEAS

[Submit](#)

[Reset](#)

Show all Suggestion Given by Users:

All User Suggestions

Name : Ayush

Email : ayush@mail.com

Suggestion : Clean your hands often. Use soap and water, or an alcohol-based hand rub.

Creation Time : Wed Nov 25 2020 08:00:37 GMT+0530 (India Standard Time)

Name : Mark

Email : mark@mail.com

Suggestion : If you have a fever, cough and difficulty breathing, seek medical attention.

Creation Time : Wed Nov 25 2020 08:00:37 GMT+0530 (India Standard Time)

COVID LIVE DATA

For India Statewise:

COVID UPDATES

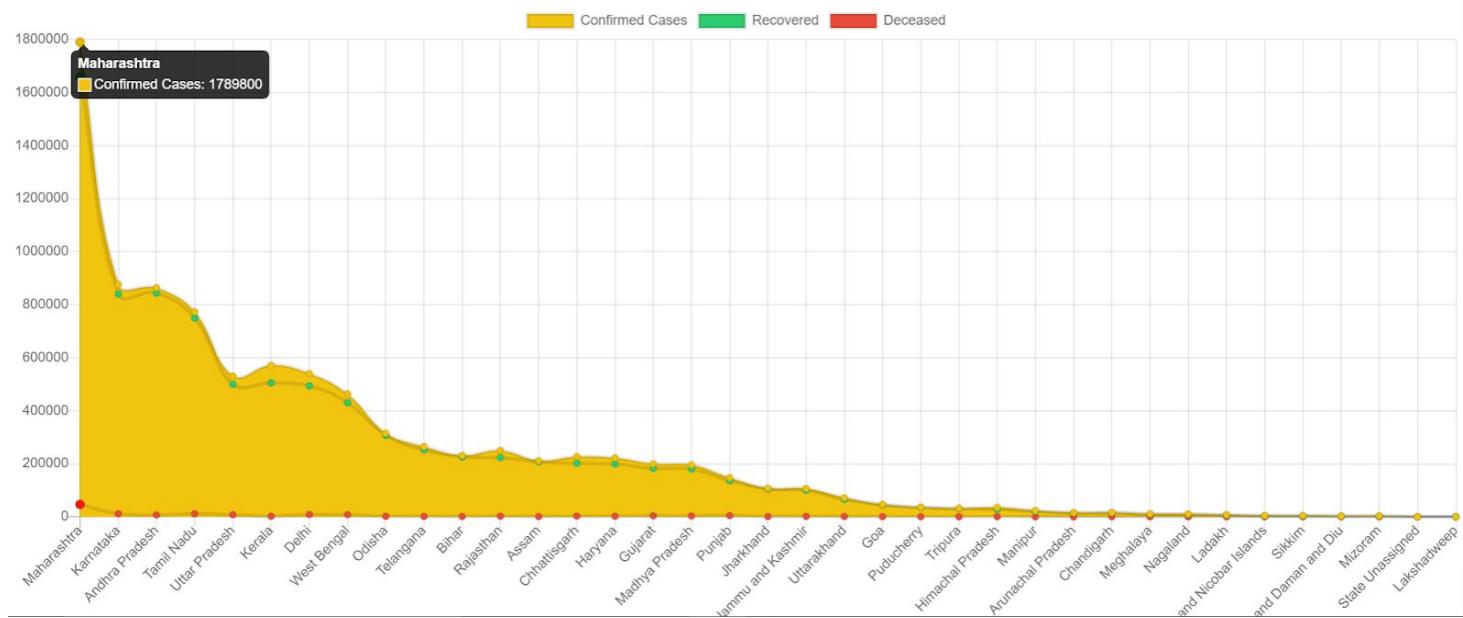
[Click here to see World Wide Data!](#)

[Click here to see real time chart!](#)

State Name	Active	Recovered	Deceased	Confirmed
Total	443765	8641404	134743	9221998
Maharashtra	83221	1658879	46683	1789800
Karnataka	24612	840099	11695	876425
Andhra Pradesh	13024	843863	6956	863843
Tamil Nadu	11875	749662	11639	773176
Uttar Pradesh	23928	499507	7615	531050
Kerala	64421	505238	2096	571873
Delhi	38501	493419	8621	540541

Line Chart:

India Covid-19 Tracker



Worldwide Live Data:

COVID UPDATES

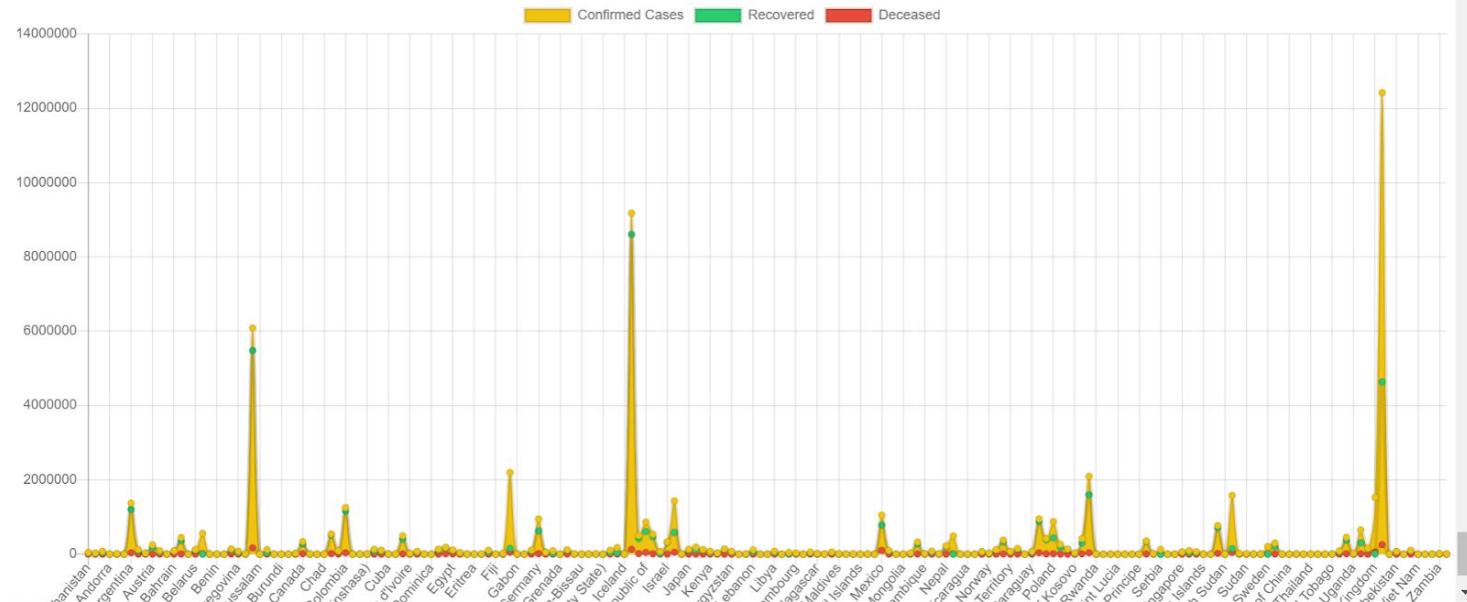
[Click here to see real time chart!](#)

[Go Back](#)

Country Name	Active	Recovered	Deceased	Confirmed
Afghanistan	7317	35976	1695	44988
Albania	16610	16230	716	33556
Algeria	24152	49421	2294	75867
Andorra	823	5405	76	6304
Angola	6946	7351	337	14634
Antigua and Barbuda	7	128	4	139
Argentina	133709	1203800	37122	1374631
Armenia	29634	95099	1976	126709
localhost:3000/countrylive#myChart	1403	25523	907	27843

Line Chart:

World Covid-19 Tracker



Helpline Numbers for India:

Central Helpline Number for corona-virus: - +91-11-23978046		
Helpline Numbers of States & Union Territories (UTs)		
S. No	Name of the State	Helpline Nos.
1	Andhra Pradesh	0866-2410978
2	Arunachal Pradesh	9436055743
3	Assam	6913347770
4	Bihar	104
5	Chhattisgarh	104
6	Goa	104
7	Gujarat	104
8	Haryana	8558893911
9	Himachal Pradesh	104
10	Jharkhand	104
11	Karnataka	104
12	Kerala	0471-2552056
13	Madhya Pradesh	104
14	Maharashtra	020-26127394
15	Manipur	3852411668
16	Meghalaya	108
17	Mizoram	102
18	Nagaland	7005539653
19	Odisha	9439994859
20	Punjab	104
21	Rajasthan	0141-2225624

Footer:

Connect



webdevelopment9453@gmail.com
100 Park Street
Mathura, UTTAR PRADESH, 281001

Our Hours

Monday: 9am - 5pm
Saturday: 10am - 4pm
Sunday: Closed

Services Area

Sitapur, UTTAR PRADESH, 261001
Agra, UTTAR PRADESH, 282002
Kolkata, West Bengal, 700001

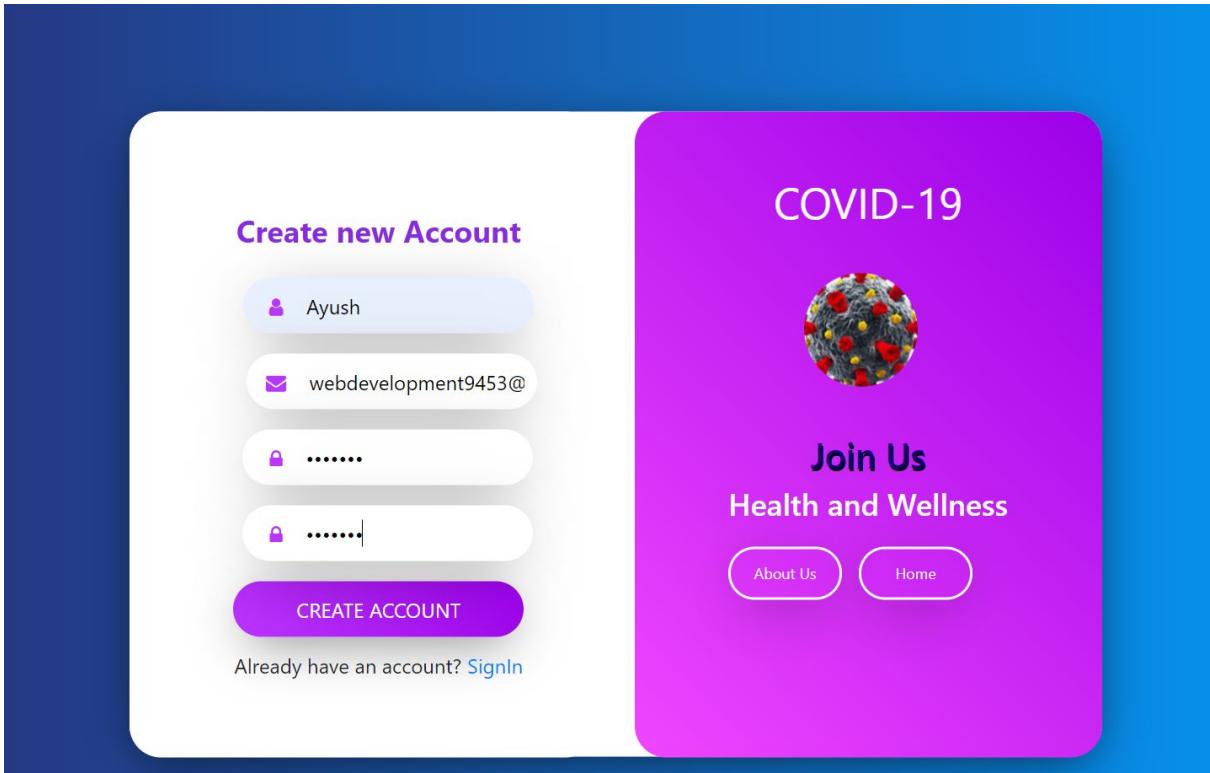
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[Back To Top](#)

Testing:

Registration and Sign In:

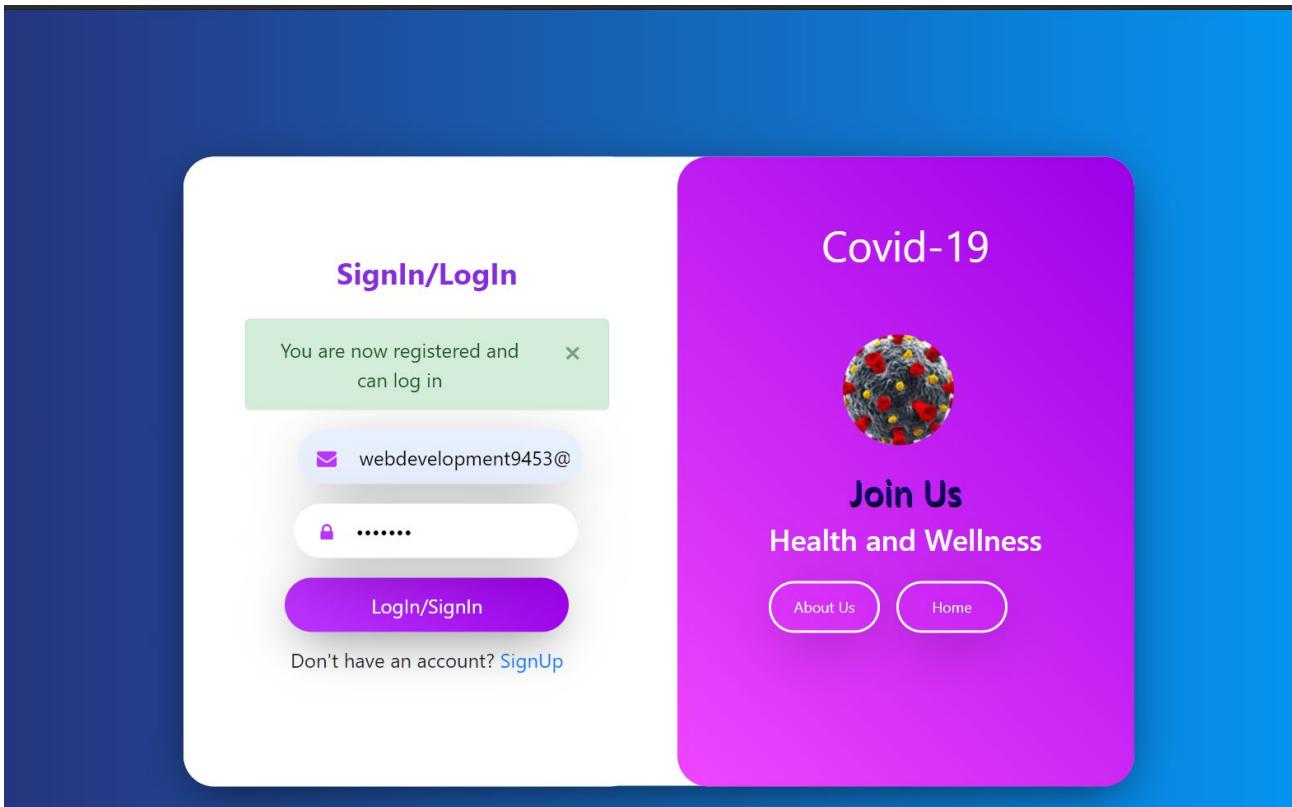


This screenshot shows the MongoDB Atlas interface. At the top, there are navigation links: 'ush's Org - 2020-1...', 'Access Manager', 'Support', and 'Billing'. Below that is a toolbar with icons for 'New Cluster', 'Clusters', 'Databases', 'Collections', and 'Atlas'. To the right of the toolbar are tabs for 'Atlas' (which is selected and highlighted in green), 'Realm', and 'Charts'. Under the 'Clusters' tab, a dropdown shows 'Cluster 0'. The main area has a search bar with 'NAMESPACES' and a dropdown showing '<dbname>'. Inside this dropdown, 'forms' and 'users' are listed, with 'users' being the active selection. The 'Find' tab is selected under the 'Atlas' tab. The results section shows 'COLLECTION SIZE: 176B TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 48KB'. Below this, a 'FILTER' button with the value '{ "filter": "example" }' is shown. The 'QUERY RESULTS 1-1 OF 1' section displays a single document with the following data:

```
_id: ObjectId("5fbe12b98524700664da9c60")
name: "Ayush"
email: "webdevelopment9453@gmail.com"
password: "$2a$10$cVhKeQzKC1VzJRxECed.OElphtUTm7r/3cI/RJLweOtiiTcW9WEm"
date: 2020-11-25T08:15:53.805+00:00
__v: 0
```

User is Registered Successfully with above name, email and password.

Now check for logged in:



Now user is logged in and redirect to suggestion Form:

The image shows a teal-colored "Suggestion Form" page. At the top, it says "Welcome Ayush" with "Logout" and "Home" buttons. The main form area has three input fields: "Name" (placeholder: "Write your name here"), "Email address" (placeholder: "name@example.com"), and "Your Suggestion" (placeholder: "Write your suggestion"). To the right of the form is a large orange circle containing the text "SHARE YOUR IDEAS". At the bottom are "Submit" and "Reset" buttons.

Logged in Successfully!!

Now Check Form Submission:

Form is submitted only if user is logged in-

Suggestion Form

Name
Ayush

Email address
webdevelopment9453@gmail.com

Your Suggestion
Clean your hands often. Use soap and water, or an alcohol-based hand rub.

SHARE YOUR IDEAS

Submit Reset

<dbname>

forms

users

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

FILTER {"filter": "example"}

QUERY RESULTS 1-2 OF 2

```
1  _id: ObjectId("5fbdc1cd3910984b701bdxfc5")
2  name : "Ayush "
3  email : "ayush@mail.com "
4  suggestion : "Clean your hands often. Use soap and water, or an alcohol-based hand rub."
5  createdAt : 2020-11-25T02:30:37.612+00:00
6  updatedAt : 2020-11-25T02:30:37.612+00:00
7  __v : 0
```

All User Suggestions

Name : Ayush

Email : ayush@mail.com

Suggestion : Clean your hands often. Use soap and water, or an alcohol-based hand rub.

Creation Time : Wed Nov 25 2020 08:00:37 GMT+0530 (India Standard Time)

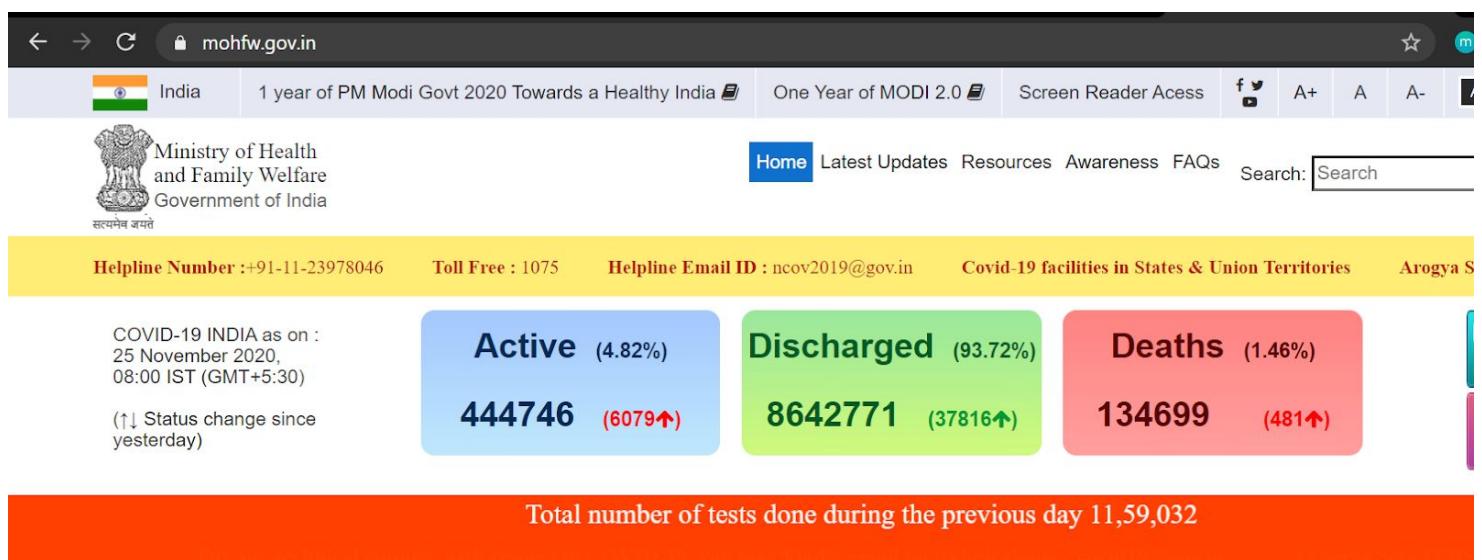
Name : Mark

Email : mark@mail.com

Data is stored and shown on “all suggestion page” successfully.

Now Check Live COVID Data:

Compare our website data for India with official data (<https://www.mohfw.gov.in/>):

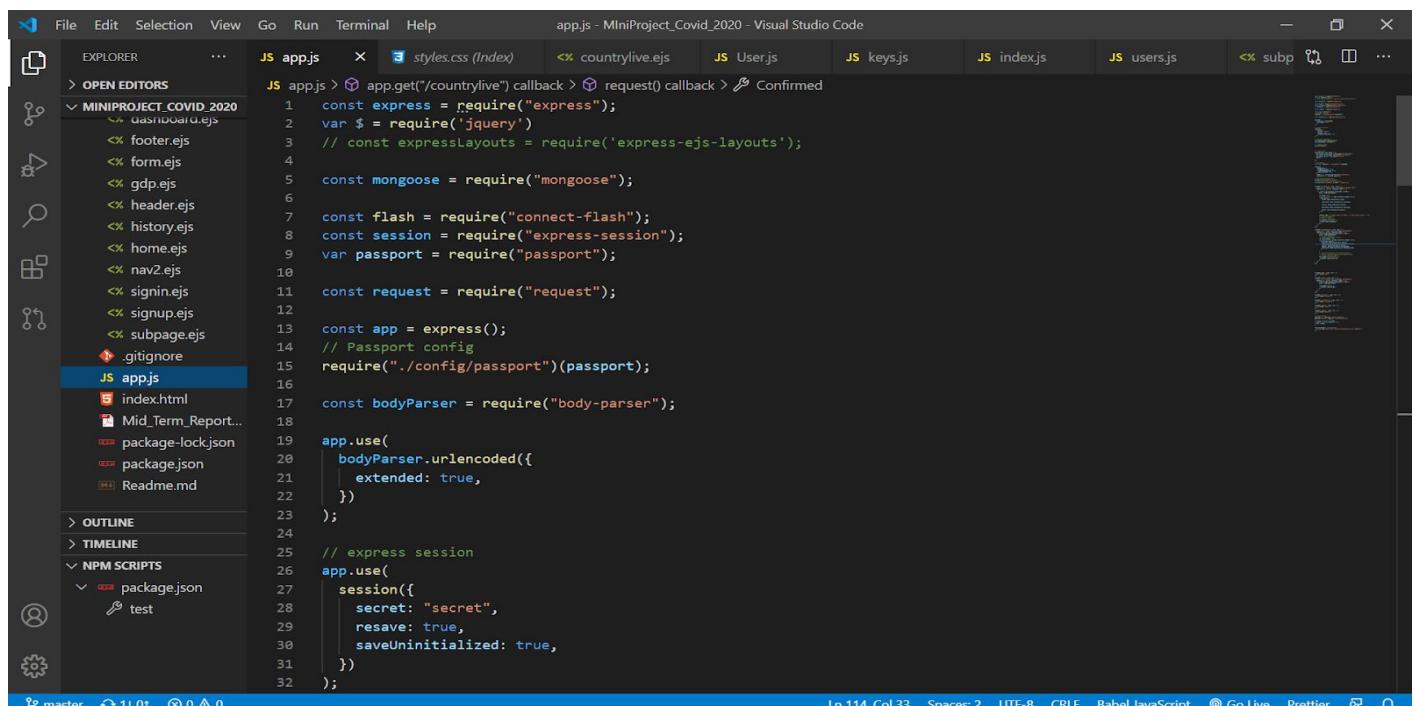


Honduras	55726	46616	2869	105211
Hungary	133853	44020	4008	181881
Iceland	186	5086	26	5298
India	444746	8642771	134699	9222216
Indonesia	64878	425313	16111	506302
Iran, Islamic Republic of	217089	617715	45738	880542
Iraq	57934	469784	12031	539749
Ireland	45538	23364	2028	70930

We have compared all data of India with official Data by the government.
Matched Successfully!!

Appendices

app.js



```

File Edit Selection View Go Run Terminal Help app.js - MIniProject_Covid_2020 - Visual Studio Code
EXPLORER JS app.js styles.css (Index) countrylive.ejs User.js keys.js index.js users.js subp ...
OPEN EDITORS > MINIPROJECT_COVID_2020
  -> dashboard.ejs
  -> footer.ejs
  -> form.ejs
  -> gdp.ejs
  -> header.ejs
  -> history.ejs
  -> home.ejs
  -> nav2.ejs
  -> signin.ejs
  -> signup.ejs
  -> subpage.ejs
  -> .gitignore
JS app.js
index.html
Mid_Term_Report...
package-lock.json
package.json
Readme.md
> OUTLINE
> TIMELINE
NPM SCRIPTS
  -> package.json
    -> test
app.get("/countrylive") callback > request() callback > Confirmed
  1 const express = require("express");
  2 var $ = require('jquery')
  3 // const expressLayouts = require('express-ejs-layouts');
  4
  5 const mongoose = require("mongoose");
  6
  7 const flash = require("connect-flash");
  8 const session = require("express-session");
  9 var passport = require("passport");
 10
 11 const request = require("request");
 12
 13 const app = express();
 14 // Passport config
 15 require("./config/passport")(passport);
 16
 17 const bodyParser = require("body-parser");
 18
 19 app.use(
 20   bodyParser.urlencoded({
 21     extended: true,
 22   })
 23 );
 24
 25 // express session
 26 app.use(
 27   session({
 28     secret: "secret",
 29     resave: true,
 30     saveUninitialized: true,
 31   })
 32 );
  
```

In 114, Col 33 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier

```
File Edit Selection View Go Run Terminal Help app.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... JS app.js x styles.css (Index) < countrylive.ejs JS User.js JS keys.js JS index.js JS users.js < subp & ...

OPEN EDITORS
> MINIPROJECT_COVID_2020
  - dashboard.ejs
    - footer.ejs
    - form.ejs
    - gdpr.ejs
    - header.ejs
    - history.ejs
    - home.ejs
    - nav2.ejs
    - signin.ejs
    - signup.ejs
    - subpage.ejs
  .gitignore
  JS app.js
  index.html
  Mid_Term_Report...
  package-lock.json
  package.json
  Readme.md

OUTLINE
TIMELINE
NPM SCRIPTS
  - package.json
    - test

JS app.js > app.get('/countrylive') callback > request() callback > Confirmed

21   |   extended: true,
22   | }
23 };
24
25 // express session
26 app.use(
27   session({
28     secret: "secret",
29     resave: true,
30     saveUninitialized: true,
31   })
32 );
33
34 // Passport middleware
35 app.use(passport.initialize());
36 app.use(passport.session());
37
38 // connect flash
39 app.use(flash());
40
41
42 // Global vars
43 app.use((req, res, next) => {
44   res.locals.success_msg = req.flash("success_msg");
45   res.locals.error_msg = req.flash("error_msg");
46   res.locals.error = req.flash("error");
47   next();
48 });
49
50 });
51
52 // DB config
```

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

- File Explorer (Left):** Shows the project structure under "MINIPROJECT_COVID_2020". The "app.js" file is currently selected.
- Editor (Center):** Displays the content of "app.js". The code handles various HTTP requests for endpoints like "/countrylive", "/gdp", "/home", "/history", and "/covidintro", rendering correspondingejs or JSON responses.
- Terminal (Bottom Left):** Shows the command "master" and status indicators (11:01, 0 0 ▲ 0).
- Status Bar (Bottom Right):** Shows file statistics: Ln 114, Col 33, Spaces: 2, UTF-8, CRLF, Babel JavaScript, Go Live, and Prettier.

File Edit Selection View Go Run Terminal Help app.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... JS app.js styles.css (Index) countrylive.ejs User.js keys.js index.js users.js subp ...

> OPEN EDITORS

MINIPROJECT_COVID_2020

- dashboard.ejs
- footer.ejs
- form.ejs
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs
- nav2.ejs
- signin.ejs
- signup.ejs
- subpage.ejs
- .gitignore
- JS app.js
- index.html
- Mid_Term_Report...
- package-lock.json
- package.json
- Readme.md

> OUTLINE

> TIMELINE

NPM SCRIPTS

- package.json
- test

```
JS app.js
48     next();
49   });
50 });
51
52 // DB config
53 const db = require("./config/keys").mongoURI;
54
55 mongoose
56   .connect(db, {
57     useNewUrlParser: true,
58     useUnifiedTopology: true,
59     useCreateIndex: true,
60   })
61   .then(() => console.log("MongoDB Connected"))
62   .catch((err) => console.log(err));
63
64 // app.use(expressLayouts);
65 app.set("view engine", "ejs");
66 // app.use(express.static("public"));
67 app.use(express.static(__dirname + "/public"));
68
69
70 app.get("/covidlive", (req, res) => {
71   const urls = "https://api.covid19india.org/data.json";
72   request(urls, (error, response, body) => {
73
74     if (!error && response.statusCode == 200) {
75       body = JSON.parse(body);
76
77       let data = [];
78       for (let i = 0; i < body.statewise.length; i++) {
79         data.push({
80           State: body.statewise[i].state,
```

Ln 114, Col 33 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier

File Edit Selection View Go Run Terminal Help app.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... JS app.js styles.css (Index) countrylive.ejs User.js keys.js index.js users.js subp ...

> OPEN EDITORS

MINIPROJECT_COVID_2020

- dashboard.ejs
- footer.ejs
- form.ejs
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs
- nav2.ejs
- signin.ejs
- signup.ejs
- subpage.ejs
- .gitignore
- JS app.js
- index.html
- Mid_Term_Report...
- package-lock.json
- package.json
- Readme.md

> OUTLINE

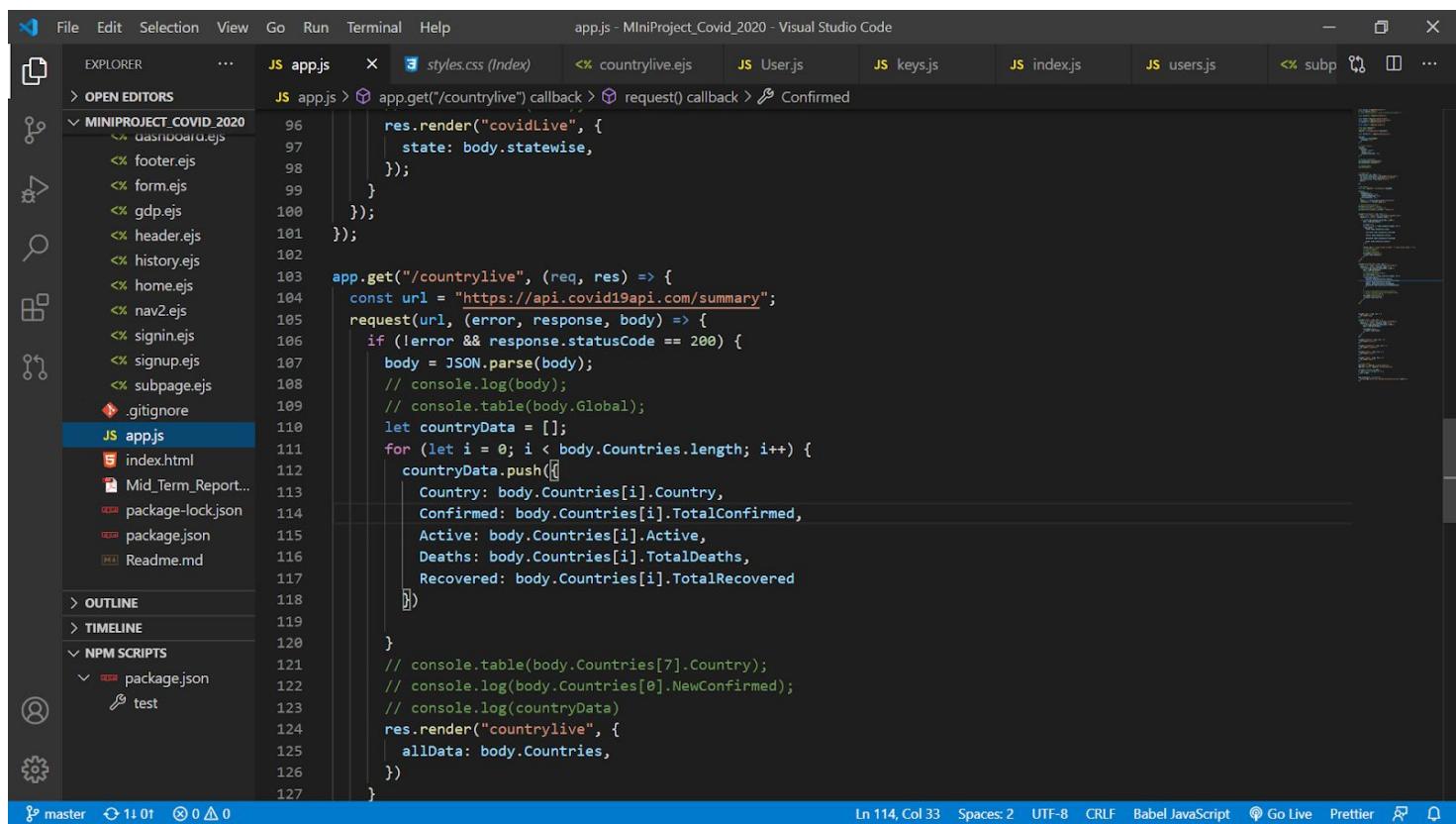
> TIMELINE

NPM SCRIPTS

- package.json
- test

```
JS app.js
72   request(urls, (error, response, body) => {
73
74     if (!error && response.statusCode == 200) {
75       body = JSON.parse(body);
76
77       let data = [];
78       for (let i = 0; i < body.statewise.length; i++) {
79         data.push({
80           State: body.statewise[i].state,
81
82           Confirmed: body.statewise[i].confirmed,
83
84           Active: body.statewise[i].active,
85
86           Recovered: body.statewise[i].recovered,
87
88           Death: body.statewise[i].deaths,
89         });
90       }
91
92       console.log("----Total Cases in India " + "and in each state----");
93       // console.log(data);
94       // Format to table
95       // console.table(data);
96       res.render("covidlive", {
97         state: body.statewise,
98       });
99     }
100   });
101 });
102
103 app.get("/countrylive", (req, res) => {
```

Ln 114, Col 33 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier



```
File Edit Selection View Go Run Terminal Help app.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... JS app.js styles.css (Index) countrylive.ejs User.js keys.js index.js users.js subp ...

OPEN EDITORS
MINIPROJECT_COVID_2020
  dashboard.ejs
  footer.ejs
  form.ejs
  gdp.ejs
  header.ejs
  history.ejs
  home.ejs
  nav2.ejs
  signin.ejs
  signup.ejs
  subpage.ejs
  .gitignore
  JS app.js
  index.html
  Mid_Term_Report...
  package-lock.json
  package.json
  Readme.md

OUTLINE
TIMELINE
NPM SCRIPTS
  package.json
    test

app.get("/countrylive", (req, res) => {
  const url = "https://api.covid19api.com/summary";
  request(url, (error, response, body) => {
    if (!error && response.statusCode == 200) {
      body = JSON.parse(body);
      // console.log(body);
      // console.table(body.Global);
      let countryData = [];
      for (let i = 0; i < body.Countries.length; i++) {
        countryData.push({
          Country: body.Countries[i].Country,
          Confirmed: body.Countries[i].TotalConfirmed,
          Active: body.Countries[i].Active,
          Deaths: body.Countries[i].TotalDeaths,
          Recovered: body.Countries[i].TotalRecovered
        })
      }
      // console.table(body.Countries[7].Country);
      // console.log(body.Countries[0].NewConfirmed);
      // console.log(countryData)
      res.render("countrylive", {
        allData: body.Countries,
      })
    }
  })
})

app.get("/confirmed", (req, res) => {
  res.render("confirmed")
});

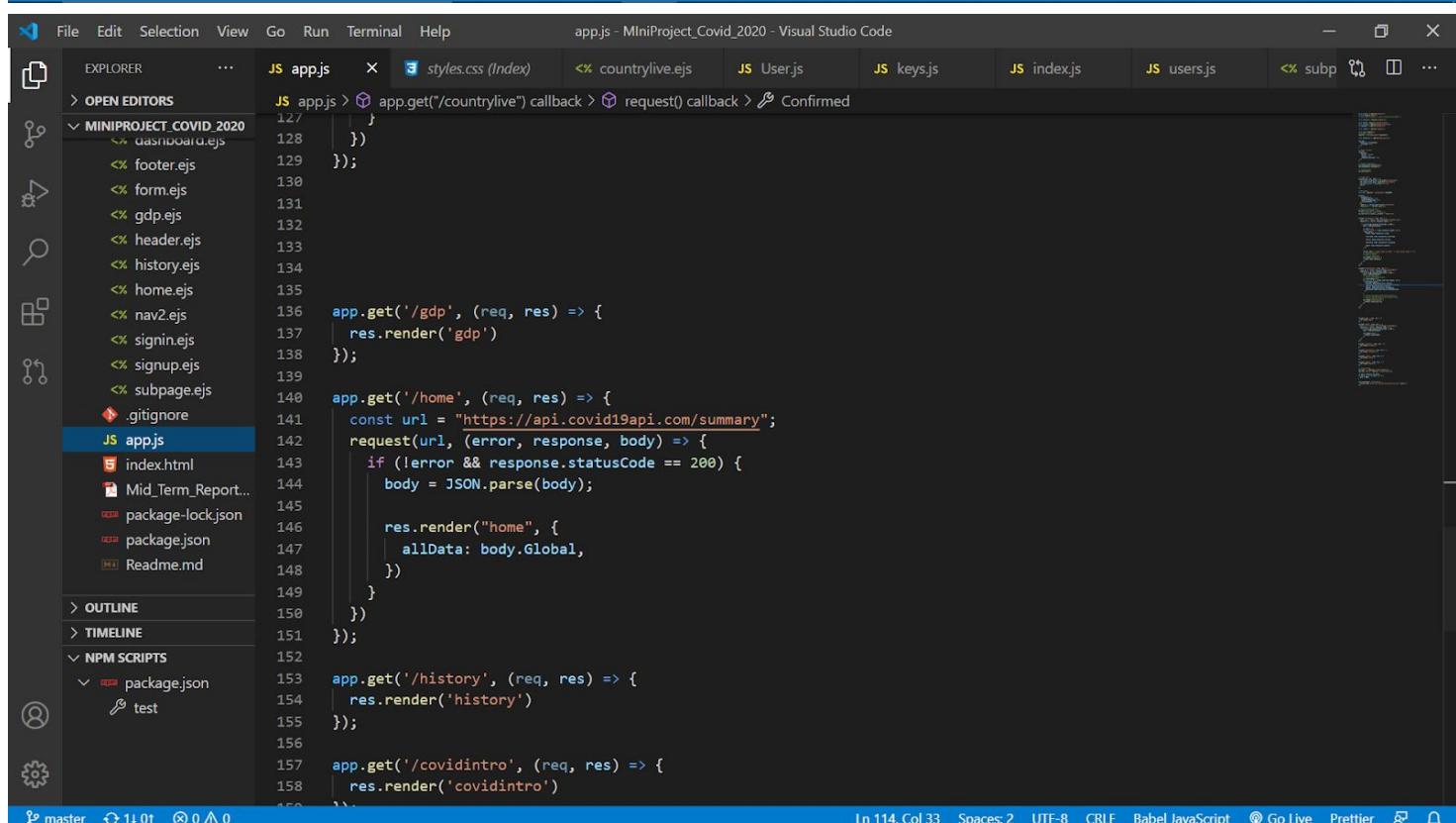
app.get("/gdp", (req, res) => {
  res.render('gdp')
});

app.get('/home', (req, res) => {
  const url = "https://api.covid19api.com/summary";
  request(url, (error, response, body) => {
    if (!error && response.statusCode == 200) {
      body = JSON.parse(body);

      res.render("home", {
        allData: body.Global,
      })
    }
  })
});

app.get('/history', (req, res) => {
  res.render('history')
});

app.get('/covidintro', (req, res) => {
  res.render('covidintro')
});
```



```
File Edit Selection View Go Run Terminal Help app.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... JS app.js styles.css (Index) countrylive.ejs User.js keys.js index.js users.js subp ...

OPEN EDITORS
MINIPROJECT_COVID_2020
  dashboard.ejs
  footer.ejs
  form.ejs
  gdp.ejs
  header.ejs
  history.ejs
  home.ejs
  nav2.ejs
  signin.ejs
  signup.ejs
  subpage.ejs
  .gitignore
  JS app.js
  index.html
  Mid_Term_Report...
  package-lock.json
  package.json
  Readme.md

OUTLINE
TIMELINE
NPM SCRIPTS
  package.json
    test

app.get('/gdp', (req, res) => {
  res.render('gdp')
});

app.get('/home', (req, res) => {
  const url = "https://api.covid19api.com/summary";
  request(url, (error, response, body) => {
    if (!error && response.statusCode == 200) {
      body = JSON.parse(body);

      res.render("home", {
        allData: body.Global,
      })
    }
  })
});

app.get('/history', (req, res) => {
  res.render('history')
});

app.get('/covidintro', (req, res) => {
  res.render('covidintro')
});
```

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

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** app.js - MiniProject_Covid_2020 - Visual Studio Code.
- Explorer:** Shows the project structure under MINIPROJECT_COVID_2020, including files like dashboard.ejs, footer.ejs, form.ejs, gdp.ejs, header.ejs, history.ejs, home.ejs, nav2.ejs, signin.ejs, signup.ejs, subpage.ejs, .gitignore, index.html, Mid_Term_Report..., package-lock.json, package.json, and Readme.md.
- Editor:** The app.js file is open, showing code for setting up routes for various pages like /countrylive, /covidintro, /chart, /about, and /users. It also includes middleware setup and port configuration.
- Bottom Status Bar:** master, 1101, 0, 0, Ln 114, Col 33, Spaces: 2, UTF-8, CRLF, Babel JavaScript, Go Live, Prettier.

auth.js

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

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** auth.js - MiniProject_Covid_2020 - Visual Studio Code.
- Explorer:** Shows the project structure under MINIPROJECT_COVID_2020, including config, models, routes, views, and partials folders, along with files like auth.js, keys.js, passport.js, forms.js, User.js, and various CSS and image files.
- Editor:** The auth.js file is open, showing a module.exports object with an ensureAuthenticated function that checks if the user is authenticated. If not, it flashes an error message and redirects to the login page.
- Bottom Status Bar:** master, 1101, 0, 0, Ln 2, Col 14, Spaces: 2, UTF-8, CRLF, Babel JavaScript, Go Live, Prettier.

File Edit Selection View Go Run Terminal Help

passport.js - MIniProject_Covid_2020 - Visual Studio Code

EXPLORER ... config (Working Tree) covidLive.ejs (Working Tree) header.ejs chart.ejs footer.ejs signin.ejs JS passport.js

> OPEN EDITORS

MINIPROJECT_COVID_2020

- config
- auth.js
- keys.js
- passport.js**

models

node_modules

public

- css
- styles.css

images

coronavirushel...

routes

- index.js
- users.js

views

- partials
- messages.ejs
- about.ejs

OUTLINE

TIMELINE

NPM SCRIPTS

- package.json
- test

```
const localStrategy = require("passport-local").Strategy;
const mongoose = require("mongoose");
const bcrypt = require("bcryptjs");

// load user model
const User = require("../models/User");
const { isMatch } = require("lodash");

module.exports = function (passport) {
  passport.use(
    new localStrategy({ usernameField: "email" }, (email, password, done) => {
      // match user
      User.findOne({ email: email })
        .then((user) => {
          if (!user) {
            // error user msg
            return done(null, false, { message: "That email is not registered" });
          }

          // match password
          // decrypt password to check (user.password - hashed password [user coming from db])
          bcrypt.compare(password, user.password, (err, isMatch) => {
            if (err) throw err;
            if (isMatch) {
              return done(null, user);
            } else {
              return done(null, false, { message: "Password incorrect" });
            }
          });
        })
    })
  );
  passport.serializeUser((user, done) => {
    done(null, user.id);
  });

  passport.deserializeUser((id, done) => {
    User.findById(id, (err, user) => {
      done(err, user);
    });
  });
}
```

Ln 13, Col 37 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier

File Edit Selection View Go Run Terminal Help

passport.js - MIniProject_Covid_2020 - Visual Studio Code

EXPLORER ... config (Working Tree) covidLive.ejs (Working Tree) header.ejs chart.ejs footer.ejs signin.ejs JS passport.js

> OPEN EDITORS

MINIPROJECT_COVID_2020

- config
- auth.js
- keys.js
- passport.js**

models

node_modules

public

- css
- styles.css

images

coronavirushel...

routes

- index.js
- users.js

views

- partials
- messages.ejs
- about.ejs

OUTLINE

TIMELINE

NPM SCRIPTS

- package.json
- test

```
  .catch((err) => console.log(err));
}

};

passport.serializeUser((user, done) => {
  done(null, user.id);
});

passport.deserializeUser((id, done) => {
  User.findById(id, (err, user) => {
    done(err, user);
  });
});
```

Ln 13, Col 37 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier

File Edit Selection View Go Run Terminal Help User.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... JS User.js X JS keys.js JS index.js JS users.js <> subpage.ejs <> covidintro.ejs <> form.ejs <> form.ejs (1) ...

> OPEN EDITORS

MINIPROJECT_COVID_2020

- config
 - auth.js
 - keys.js
 - passport.js
- models
 - form.js
 - User.js
- node_modules
- public
- css
 - styles.css
- images
 - coronavirushel...
- routes
 - index.js
 - users.js
- views
 - partials

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

1  const mongoose = require("mongoose");
2
3  const userSchema = new mongoose.Schema({
4    name: {
5      type: String,
6      required: true,
7      trim: true,
8      max: 32,
9    },
10   email: [
11     {
12       type: String,
13       trim: true,
14       required: true,
15       unique: true,
16       lowercase: true,
17     },
18     password: {
19       type: String,
20       required: true,
21     },
22     date: {
23       type: Date,
24       default: Date.now,
25     },
26   });
27
28   const User = mongoose.model("User", userSchema);
29
30   module.exports = User;

```

master ⌂ 11 0! ⌂ 0 △ 0 Ln 10, Col 11 Spaces: 2 UTF-8 CRLF Babel JavaScript ⌂ Go Live Prettier ⌂ ⌂

File Edit Selection View Go Run Terminal Help form.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... JS form.js X JS auth.js <> messages.ejs (Working Tree) JS index.js (Working Tree) JS app.js (Working Tree) <> covidLive.ejs (W) ...

> OPEN EDITORS

MINIPROJECT_COVID_2020

- config
 - auth.js
 - keys.js
 - passport.js
- models
 - form.js
 - User.js
- node_modules
- public
- css
 - styles.css
- images
 - coronavirushel...
- routes
 - index.js
 - users.js
- views
 - partials

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

1  const mongoose = require("mongoose");
2
3  const formSchema = new mongoose.Schema({
4    name: {
5      type: String,
6      required: true,
7      trim: true,
8      max: 32,
9    },
10   email: {
11     type: String,
12     trim: true,
13     required: true,
14     unique: true,
15     lowercase: true,
16   },
17   suggestion: {
18     type: String,
19     trim: true,
20     required: true,
21     max: 500
22   },
23   timestamps: true
24 );
25
26   const Form = mongoose.model("Form", formSchema);
27
28   module.exports = Form;

```

master ⌂ 11 0! ⌂ 0 △ 0 Ln 29, Col 25 Spaces: 2 UTF-8 CRLF Babel JavaScript ⌂ Go Live Prettier ⌂ ⌂

File Edit Selection View Go Run Terminal Help index.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020 config models views routes NPM SCRIPTS package.json test

```

routes > JS index.js > router.get("/") callback > request() callback > allData
1 const express = require("express");
2 const request = require("request");
3 const router = express.Router();
4 const { ensureAuthenticated } = require("../config/auth");
5
6 // open home by defaults
7 router.get("/", (req, res) => {
8
9   const url = "https://api.covid19api.com/summary";
10  request(url, (error, response, body) => {
11    if (!error && response.statusCode == 200) {
12      body = JSON.parse(body);
13
14      res.render("home", [
15        allData: body.Global,
16      ]);
17    }
18  });
19});
20
21 module.exports = router;
22

```

OUTLINE TIMELINE

File Edit Selection View Go Run Terminal Help users.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020 config models views routes NPM SCRIPTS package.json test

```

routes > JS users.js > checkAuthentication
1 const express = require("express");
2 const router = express.Router();
3 const bcrypt = require("bcryptjs");
4 const passport = require("passport");
5 // user model
6 const User = require("../models/User");
7 const Form = require("../models/Form");
8
9 router.get("/login", (req, res) => res.render("signin"));
10 router.get("/register", (req, res) => res.render("signup"));
11 // router.get("/saveform", checkAuthentication, (req, res) => res.render("form"));
12 router.get("/saveform", checkAuthentication, (req, res) => res.render("form", {
13   name: req.user.name
14 }));
15
16 // get data typed on register page
17 // handle register page
18 router.post("/register", (req, res) => {
19   // destructuring
20   const {
21     name,
22     email,
23     password,
24     password2
25   } = req.body;
26   let errors = [];
27
28   // -----
29   // APPLY VALIDATIONS
30
31   // check required fields
32   // passing msg as an object
33   if (!name || !email || !password || !password2) {

```

master 11 01 0 0 △ 0 Ln 15, Col 17 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier

File Edit Selection View Go Run Terminal Help users.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS

MINIPROJECT_COVID_2020

- config
 - auth.js
 - keys.js
 - passport.js
- models
 - form.js
 - User.js
- routes
 - index.js
 - users.js
- views
 - partials
 - messages.ejs
 - about.ejs
 - chart.ejs
 - countrylive.ejs

OUTLINE TIMELINE

NPM SCRIPTS

- package.json
 - test

```
routes > JS users.js > checkAuthentication
  33   errors.push({
  34     msg: "Please fill all required fields"
  35   });
  36
  37
  38 // check password match
  39 if (password !== password2) {
  40   errors.push({
  41     msg: "Password do not match"
  42   });
  43
  44
  45 // check pass length
  46 if (password.length < 6) {
  47   errors.push({
  48     msg: "Password must be at least 6 characters long"
  49   });
  50
  51
  52 if (errors.length > 0) {
  53   // if any above cond. will become true then
  54   res.render("signup", {
  55     errors,
  56     name,
  57     email,
  58     password,
  59     password2,
  60   });
  61 } else {
  62   // validation passed
  63   // check if already exist
  64   User.findOne({
```

Ln 150, Col 12 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier

File Edit Selection View Go Run Terminal Help users.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS

MINIPROJECT_COVID_2020

- config
 - auth.js
 - keys.js
 - passport.js
- models
 - form.js
 - User.js
- routes
 - index.js
 - users.js
- views
 - partials
 - messages.ejs
 - about.ejs
 - chart.ejs
 - countrylive.ejs

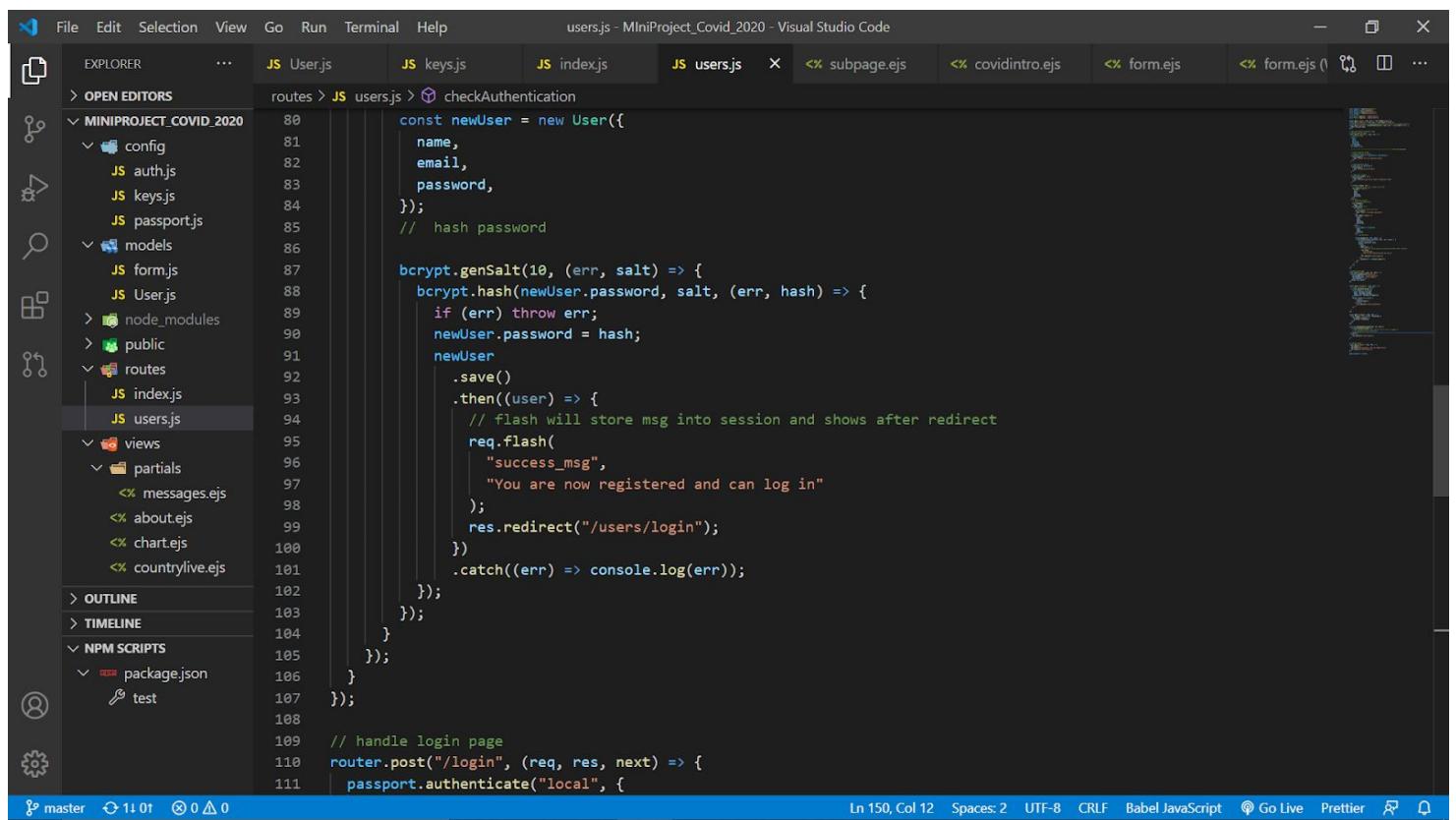
OUTLINE TIMELINE

NPM SCRIPTS

- package.json
 - test

```
routes > JS users.js > checkAuthentication
  64   User.findOne({
  65     email: email
  66   }).then((user) => {
  67     if (user) {
  68       // user exists send this error
  69       errors.push({
  70         msg: "Email is already registered"
  71       });
  72       res.render("signup", {
  73         errors,
  74         name,
  75         email,
  76         password,
  77         password2,
  78       });
  79     } else {
  80       const newUser = new User({
  81         name,
  82         email,
  83         password,
  84       });
  85       // hash password
  86
  87       bcrypt.genSalt(10, (err, salt) => {
  88         bcrypt.hash(newUser.password, salt, (err, hash) => {
  89           if (err) throw err;
  90           newUser.password = hash;
  91           newUser
  92             .save()
  93             .then((user) => {
  94               // flash will store msg into session and shows after redirect
  95               req.flash(
```

Ln 150, Col 12 Spaces: 2 UTF-8 CRLF Babel JavaScript Go Live Prettier



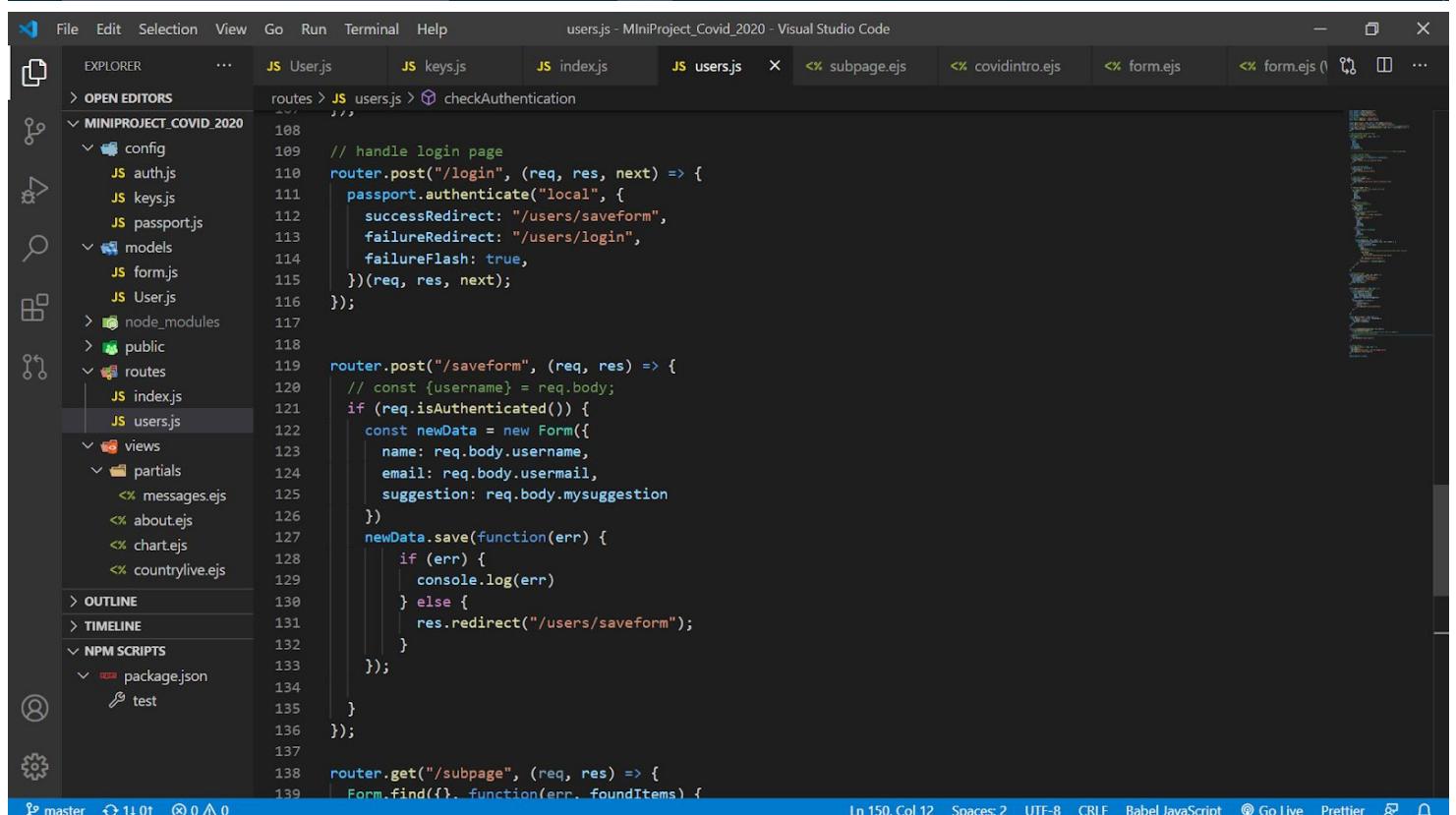
```
const newUser = new User({
  name,
  email,
  password,
});
// hash password

bcrypt.genSalt(10, (err, salt) => {
  bcrypt.hash(newUser.password, salt, (err, hash) => {
    if (err) throw err;
    newUser.password = hash;
    newUser
      .save()
      .then((user) => {
        // flash will store msg into session and shows after redirect
        req.flash(
          "success_msg",
          "You are now registered and can log in"
        );
        res.redirect("/users/login");
      })
      .catch((err) => console.log(err));
  });
});

// handle login page
router.post("/login", (req, res, next) => {
  passport.authenticate("local", {
    successRedirect: "/users/saveform",
    failureRedirect: "/users/login",
    failureFlash: true,
  })(req, res, next);
});

// handle save form
router.post("/saveform", (req, res) => {
  // const {username} = req.body;
  if (req.isAuthenticated()) {
    const newData = new Form({
      name: req.body.username,
      email: req.body.usermail,
      suggestion: req.body.mysuggestion
    });
    newData.save(function(err) {
      if (err) {
        console.log(err)
      } else {
        res.redirect("/users/saveform");
      }
    });
  }
});

// handle subpage
router.get("/subpage", (req, res) => {
  Form.find({}).function(err, foundItems) {
```



```
// handle login page
router.post("/login", (req, res, next) => {
  passport.authenticate("local", {
    successRedirect: "/users/saveform",
    failureRedirect: "/users/login",
    failureFlash: true,
  })(req, res, next);
});

// handle save form
router.post("/saveform", (req, res) => {
  // const {username} = req.body;
  if (req.isAuthenticated()) {
    const newData = new Form({
      name: req.body.username,
      email: req.body.usermail,
      suggestion: req.body.mysuggestion
    });
    newData.save(function(err) {
      if (err) {
        console.log(err)
      } else {
        res.redirect("/users/saveform");
      }
    });
  }
});

// handle subpage
router.get("/subpage", (req, res) => {
  Form.find({}).function(err, foundItems) {
```

File Edit Selection View Go Run Terminal Help users.js - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020 config models routes views

```

routes > JS users.js > checkAuthentication
135   }
136   });
137
138   router.get("/subpage", (req, res) => {
139     Form.find({}, function(err, foundItems) {
140       res.render("subpage", {
141         newItems: foundItems
142       });
143     });
144   });
145
146   function checkAuthentication(req, res, next) {
147     if (req.isAuthenticated()) []
148       // req.isAuthenticated() will return true if user is logged in
149       // res.redirect("/users/saveform")
150     next();
151   } else {
152     res.redirect("/users/login");
153   }
154
155
156
157   // handle logout
158   router.get("/logout", (req, res) => {
159     req.logout();
160     req.flash("success_msg", "You are logged out");
161     res.redirect("/users/login");
162   });
163
164
165   module.exports = router;
166

```

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File Edit Selection View Go Run Terminal Help header.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020 views

```

views > header.ejs > html > body > section#navigation > nav.navbar.navbar-expand-md.navbar-dark.sticky-top > div.container-fluid
1   <!DOCTYPE html>
2   <html lang="en">
3
4     <head>
5       <!-- Required meta tags -->
6       <meta charset="utf-8" />
7       <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
8
9       <!-- Bootstrap CSS -->
10      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="s
11
12      <title>Covid-19</title>
13      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css" />
14
15      <!-- Bootstrap JS -->
16
17      <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
18      <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>
19
20      <!-- Font Awesome -->
21      <script src="https://kit.fontawesome.com/996973c893.js" crossorigin="anonymous"></script>
22
23      <!-- Google Fonts -->
24      <link href="https://fonts.googleapis.com/css2?family=Baloo+Thambi+2:wght@400;500;600;700;800&display=swap" rel="sty
25
26      <link rel="stylesheet" href=".../css/styles.css" />
27      <!-- Chart.js -->
28      <script src="https://cdnjs.cloudflare.com/ajax/libs/Chart.js/2.9.3/Chart.min.js"></script>
29    </head>
30
31    <body>
32      <section id="navigation">

```

master 11 0 0 0 △ 0 Ln 34, Col 9 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help header.ejs - MIniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020

- header.ejs
- chart.ejs
- footer.ejs
- signin.ejs
- JS passport.js
- signup.ejs
- dashboard.ejs
- styles.css

```

33   <nav class="navbar navbar-expand-md navbar-dark sticky-top">
34     <div class="container-fluid">
35       <a class="navbar-brand" href="#"> </a>
36
37       <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarResponsive">
38         <span class="navbar-toggler-icon"></span>
39       </button>
40     </div>
41     <div class="collapse navbar-collapse" id="navbarResponsive">
42       <ul class="navbar-nav ml-auto">
43         <li class="nav-item active">
44           <a class="nav-link" href="#">Home</a>
45         </li>
46         <li class="nav-item active">
47           <a class="nav-link" href="#meet-team">Awareness</a>
48         </li>
49         <li class="nav-item active">
50           <a class="nav-link" href="#suggestionForm">Suggestion</a>
51         </li>
52         <li class="nav-item active">
53           <a class="nav-link" href="#detailed">Covid</a>
54         </li>
55         <li class="nav-item active">
56           <a class="nav-link" href="#connect">Contact</a>
57         </li>
58         <li class="nav-item active">
59           <a class="nav-link" href="/users/login">Signin</a>
60         </li>
61         <li class="nav-item active">
62           <a class="nav-link" href="/users/register">Register</a>
63         </li>
64       </ul>

```

master 11 0 0 0 △ 0 Ln 34, Col 9 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help home.ejs - MIniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020

- covidLive.ejs
- gdp.ejs
- nav2.ejs
- history.ejs
- package.json
- footer.ejs (Working Tree)
- home.ejs

```

1   <%- include("header") -%>
2
3   <body>
4     <!-- carousel for homepage -->
5     <div id="carouselExampleFade" class="carousel slide carousel-fade" data-ride="carousel">
6       <div class="carousel-inner">
7         <div class="carousel-item active">
8           
9         </div>
10        <div class="carousel-item">
11          
12        </div>
13        <div class="carousel-item">
14          
15        </div>
16      </div>
17      <a class="carousel-control-prev" href="#carouselExampleFade" role="button" data-slide="prev">
18        <span class="carousel-control-prev-icon" aria-hidden="true"></span>
19        <span class="sr-only">Previous</span>
20      </a>
21      <a class="carousel-control-next" href="#carouselExampleFade" role="button" data-slide="next">
22        <span class="carousel-control-next-icon" aria-hidden="true"></span>
23        <span class="sr-only">Next</span>
24      </a>
25    </div>
26
27
28
29
30    <div class="container-fluid bg-light p-5 text-center my-3">
31      <h1 class="">COVID-19 CORONAVIRUS PANDEMIC</h1>
32    </div>

```

master 11 0 0 0 △ 0 Ln 113, Col 27 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help home.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views > home.ejs > body > section#meet-team > div.container-fluid.padding > div.row.padding > div.col-md-4 > div.card > div.card-body.meet

< MINIPROJECT_COVID_2020 >

- covidLive.ejs
- covidintro.ejs
- covidLive.ejs
- dashboard.ejs
- footer.ejs
- form.ejs
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs**
- nav2.ejs
- signin.ejs
- signup.ejs
- subpage.ejs
- .gitignore
- app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

29
30   <div class="container-fluid bg-light p-5 text-center my-3">
31     <h1 class="">COVID-19 CORONAVIRUS PANDEMIC</h1>
32   </div>
33   <div class="container" style="margin-bottom: 40px;">
34     <div class="row text-center">
35       <div class="col-3 text-warning">
36         <h5>Confirmed</h5>
37         <p id="confirmed1"><%= allData.TotalConfirmed %></p>
38       </div>
39       <div class="col-3 text-info">
40         <h5>Active</h5>
41         <p id="active1"><%= allData.TotalConfirmed - allData.TotalRecovered - allData.TotalDeaths %></p>
42       </div>
43       <div class="col-3 text-success">
44         <h5>Recovered</h5>
45         <p id="recovered1"><%= allData.TotalRecovered %></p>
46       </div>
47       <div class="col-3 text-danger">
48         <h5>Deceased</h5>
49         <p id="deaths1"><%= allData.TotalDeaths %></p>
50       </div>
51     </div>
52     <div class="">
53       <h3 style="text-align: center; margin: 20px;"><a href="/chart">Click here to See Live pie chart Status for India</a>
54     </div>
55   </div>
56
57
58
59   <!-- making two section -->
60   <section id="two-column">

```

Ln 113, Col 27 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help home.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views > home.ejs > body > section#meet-team > div.container-fluid.padding > div.row.padding > div.col-md-4 > div.card > div.card-body.meet

< MINIPROJECT_COVID_2020 >

- covidLive.ejs
- covidintro.ejs
- covidLive.ejs
- dashboard.ejs
- footer.ejs
- form.ejs
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs**
- nav2.ejs
- signin.ejs
- signup.ejs
- subpage.ejs
- .gitignore
- app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

60   <section id="two-column">
61     <div class="container-fluid padding">
62       <div class="row padding">
63         <div class="col-lg-6">
64           <h2>Economic impact on GDP</h2>
65           <br />
66           <p>The economic impact of the 2020 coronavirus pandemic in India has been largely disruptive. India's growth</p>
67           <br />
68           <a href="/gdp"><button class="btn btn-primary">Learn More</button></a>
69         </div>
70         <div class="col-lg-6">
71           
72         </div>
73       </div>
74     </div>
75   </section>
76
77
78
79
80
81   <!-- -->
82   <!-- Meet the team section -->
83   <section id="meet-team">
84     <div class="container-fluid heros">
85       <div class="row welcome text-center">
86         <div class="col-12">
87           <h1 class="display-4">Meet the Real Heroes...</h1>
88           <br />
89         </div>
90       <hr />

```

Ln 113, Col 27 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help home.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views > home.ejs > body > section#meet-team > div.container-fluid.padding > div.row.padding > div.col-md-4 > div.card > div.card-body.meet

< MINIPROJECT_COVID_2020 > OPEN EDITORS

- covidLive.ejs
- gdp.ejs
- nav2.ejs
- history.ejs
- package.json
- footer.ejs (Working Tree)
- home.ejs
- countrylive.ejs
- covidintro.ejs
- covidLive.ejs
- dashboard.ejs
- footer.ejs
- form.ejs
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs
- nav2.ejs
- signin.ejs
- signup.ejs
- subpage.ejs
- .gitignore
- app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

92     </div>
93     </div>
94
95     <!-- Cards Section -->
96     <div class="container-fluid padding">
97         <div class="row padding">
98             <div class="col-md-4">
99                 <div class="card">
100                     
101                     <div class="card-body meet">
102                         <h4 class="card-title">Doctors</h4>
103                         <p class="card-text">
104                             i>Thanks for making me love life again, Thanks for easing my pain, You mean a lot, I want you to know
105                         </p>
106                     </div>
107                 </div>
108             </div>
109             <div class="col-md-4">
110                 <div class="card">
111                     
112                     <div class="card-body meet">
113                         <h4 class="card-title">Workers</h4>
114                         <p class="card-text">
115                             i>No matter how much falls on us, we keep plowing ahead. That's the only way to keep roads clear.</i>
116                         </p>
117                     </div>
118                 </div>
119             </div>
120             <div class="col-md-4">
121                 <div class="card">
122                     
123             </div>

```

master 11 0 0 0 △ 0 Ln 113, Col 27 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help home.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views > home.ejs > body > section#detailed > div.container-fluid.cards > div.row.welcome.text-center > div.col-12 > h1 > hr > div.col-sm-6 > card > card-body > h5 > a > col-sm-6 > card > card-body > h5 > a

< MINIPROJECT_COVID_2020 > OPEN EDITORS

- covidLive.ejs
- gdp.ejs
- nav2.ejs
- history.ejs
- package.json
- footer.ejs (Working Tree)
- home.ejs
- countrylive.ejs
- covidintro.ejs
- covidLive.ejs
- dashboard.ejs
- footer.ejs
- form.ejs
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs
- nav2.ejs
- signin.ejs
- signup.ejs
- subpage.ejs
- .gitignore
- app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

139     <!-- this is detailed section code -->
140
141     <section id="detailed">
142         <div class="container-fluid cards">
143             <div class="row welcome text-center">
144                 <div class="col-12">
145                     <h1 class="display-4">What you want to know about COVID?</h1>
146                     <hr />
147                 </div>
148             </div>
149         </div>
150
151         <div class="row">
152             <div class="col-sm-6">
153                 <div class="card">
154                     <div class="card-body" style="text-align: center;">
155                         <h5 class="card-title">WHAT IS COVID?</h5>
156
157                         <a href="/covidintro" class="btn btn-primary">Learn More.....</a>
158
159                     </div>
160                 </div>
161             </div>
162             <div class="col-sm-6">
163                 <div class="card">
164                     <div class="card-body" style="text-align: center;">
165                         <h5 class="card-title">HISTORY OF COVID...</h5>
166
167                         <a href="/history" class="btn btn-primary">Learn More.....</a>
168
169                     </div>
170                 </div>

```

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File Edit Selection View Go Run Terminal Help home.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views < home.ejs < gdp.ejs < nav.ejs < history.ejs package.json < footer.ejs (Working Tree) < home.ejs ...

> OPEN EDITORS

> MINIPROJECT_COVID_2020

- < countrylive.ejs
- < covidintro.ejs
- < covidLive.ejs
- < dashboard.ejs
- < footer.ejs
- < form.ejs
- < gdp.ejs
- < header.ejs
- < history.ejs
- < home.ejs**
- < nav2.ejs
- < signin.ejs
- < signup.ejs
- < subpage.ejs
- ❖ .gitignore
- JS app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

159         </div>
160     </div>
161     <div class="col-sm-6">
162         <div class="card">
163             <div class="card-body" style="text-align: center;">
164                 <h5 class="card-title">HISTORY OF COVID...</h5>
165                 <a href="/history" class="btn btn-primary">Learn More....</a>
166             </div>
167         </div>
168     </div>
169     </div>
170 </div>
171
172 <div class="row">
173     <div class="col-sm-6">
174         <div class="card">
175             <div class="card-body" style="text-align: center;">
176                 <h5 class="card-title">LIVE COVID STATUS...</h5>
177
178                 <a href="/covidLive" class="btn btn-primary">Learn More....</a>
179             </div>
180         </div>
181     </div>
182 </div>
183 <div class="col-sm-6">
184     <div class="card">
185         <div class="card-body" style="text-align: center;">
186             <h5 class="card-title">HELPLINE NUMBERS...</h5>
187
188             <a href="/coronavirushelplinenumber.pdf" class="btn btn-primary">Learn More....</a>
189         </div>
190     </div>

```

Ln 113, Col 27 Spaces: 2 UTF-8 CRLF HTML ⚡ Go Live Prettier

File Edit Selection View Go Run Terminal Help home.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views < home.ejs < gdp.ejs < nav.ejs < history.ejs package.json < footer.ejs (Working Tree) < home.ejs ...

> OPEN EDITORS

> MINIPROJECT_COVID_2020

- < countrylive.ejs
- < covidintro.ejs
- < covidLive.ejs
- < dashboard.ejs
- < footer.ejs
- < form.ejs
- < gdp.ejs
- < header.ejs
- < history.ejs
- < home.ejs**
- < nav2.ejs
- < signin.ejs
- < signup.ejs
- < subpage.ejs
- ❖ .gitignore
- JS app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

> NPM SCRIPTS

- package.json
- test

```

195
196     <!-- form -->
197     <section id="suggestionForm">
198         <div class="container-fluid">
199             <div class="row welcome text-center">
200                 <div class="col-12">
201                     <h1 class="display-5">Suggestion Form</h1>
202                     <hr />
203                 </div>
204             </div>
205             <div class="container-fluid padding">
206                 <div class="row padding">
207                     <div class="col-md-4">
208                         
209                     </div>
210                     <div class="col-md-4 middle">
211                         <a href="/users/saveform" class="submitdirect">Click here to Submit form</a>
212                     </div>
213                     <div class="col-md-4 center">
214                         
215                     </div>
216                 </div>
217             </div>
218         </section>
219
220         <%- include("footer") -%>
221
222     </body>
223
224

```

Ln 113, Col 27 Spaces: 2 UTF-8 CRLF HTML ⚡ Go Live Prettier

File Edit Selection View Go Run Terminal Help subpage.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020

```

<% include('nav2') %>
<div class="complete">
  <div class="Heading-suggestion">
    <h1>All User Suggestions</h1>
  </div>
  <div class="user-suggestion">
    <% newItems.forEach(function(item){ %>
      <div class="user">
        <p class="username">Name : <%= item.name %></p>
        <p class="email">Email : <%= item.email %></p>
        <p class="sugg">Suggestion : <%= item.suggestion %></p>
        <p class="time">Creation Time : <%= item.createdAt %></p>
      </div>
    <% }) %>
  </div>
<% include('footer') %>

```

.gitignore app.js index.html Mid_Term_Report...

OUTLINE TIMELINE NPM SCRIPTS package.json test

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File Edit Selection View Go Run Terminal Help signup.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER OPEN EDITORS MINIPROJECT_COVID_2020

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="s
  <title>Covid-19</title>
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css" />
  <link rel="stylesheet" href="../css/styles.css" />
</head>

<body class="signup">
  <!-- Main container -->
  <div class="container">
    <div class="myCard">
      <div class="row">
        <!-- left Part -->
        <div class="col-md-6 full">
          <div class="myLeftCtn">
            <% include('../partials/messages') %>
            <form class="myForm text-center" action="/users/register" method="POST">
              <header>Create new Account</header>
              <div class="form-group">
                <i class="fa fa-user"></i>
                <input type="name" class="myInput" placeholder="Username" id="name" name="name" value="<% typeof nam
              <!-- value content work when validation work and keep data whatever user type -->
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

.gitignore app.js index.html Mid_Term_Report...

OUTLINE TIMELINE NPM SCRIPTS package.json test

master 11 0 0 0 △ 0

File Edit Selection View Go Run Terminal Help signup.ejs - MlniProject_Covid_2020 - Visual Studio Code

EXPLORER ...

> OPEN EDITORS

MINIPROJECT_COVID_2020

- << covidLive.ejs
- << covidintro.ejs
- << covidLive.ejs
- << dashboard.ejs
- << footer.ejs
- << form.ejs
- << gdp.ejs
- << header.ejs
- << history.ejs
- << home.ejs
- << nav2.ejs
- << signin.ejs
- << signup.ejs**
- << subpage.ejs
- .gitignore
- JS app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

NPM SCRIPTS

- package.json
- test

```

<%> covidLive.ejs (Working Tree) <%> header.ejs <%> chart.ejs <%> footer.ejs <%> signin.ejs JS passport.js <%> signup.ejs <%> ...
views > << signup.ejs > html > body.signup > div.container > div.myCard > div.row > div.col-md-6.full > div.myLeftCtn > ? > form.myForm.text-cer
37     <div class="form-group">
38         <i class="fa fa-lock"></i>
39         <input type="password" class="myInput" placeholder="Password" name="password" id="password" value=<%>
40             </div>
41
42         <div class="form-group">
43             <i class="fa fa-lock"></i>
44             <input type="password" class="myInput" placeholder="Confirm Password" name="password2" id="password2" value=<%>
45             </div>
46
47             <input type="submit" class="button" value="CREATE ACCOUNT" />
48             <p class="log">
49                 Already have an account? <a href="/users/login">SignIn</a>
50             </p>
51         </form>
52     </div>
53
54
55     <!-- Right Part -->
56     <div class="right col-md-6 full">
57         <div class="myRightCtn">
58             <div class="box">
59                 <header>COVID-19</header>
60                 
61                 <h3>Join Us</h3>
62                 <h4>Health and Wellness</h4>
63                 <a href="/about"><input type="button" class="button" style="display: inline-block; width: 90px;" value="About Us" />
64                 <a href="/home" style=" display: inline-block; color: black; padding: 0; width: 90px; margin-left: 10px;" value="Home" />
65             </div>
66         </div>
67     </div>
68

```

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File Edit Selection View Go Run Terminal Help signin.ejs - MlniProject_Covid_2020 - Visual Studio Code

EXPLORER ...

> OPEN EDITORS

MINIPROJECT_COVID_2020

- << covidLive.ejs
- << covidintro.ejs
- << covidLive.ejs
- << dashboard.ejs
- << footer.ejs
- << form.ejs
- << gdp.ejs
- << header.ejs
- << history.ejs
- << home.ejs
- << nav2.ejs
- << signin.ejs
- << signup.ejs**
- << subpage.ejs
- .gitignore
- JS app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

NPM SCRIPTS

- package.json
- test

```

<%> covidLive.ejs (Working Tree) <%> header.ejs <%> chart.ejs <%> footer.ejs <%> signin.ejs X JS passport.js <%> signup.ejs <%> ...
views > << signin.ejs > html > body.signup > div.container > div.myCard > div.row
1   TYPE html>
2   lang="en">
3
4   >
5   ta charset="utf-8" />
6   ta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
7
8   nk rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-
9
10  tle>Covid-19</title>
11  nk rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css" />
12  nk rel="stylesheet" href="../css/styles.css" />
13 d>
14
15  class="signin">
16  - Main container -->
17  v class="container">
18  div class="myCard">
19      <div class="row">
20          <!-- Left Part -->
21          <div class="col-md-6">
22              <div class="myLeftCtn">
23                  <form class="myForm text-center" action="/users/login" method="post">
24                      <header>SignIn/LogIn</header>
25                      <% include('../partials/messages') -%>
26                      <!-- For email address input -->
27                      <div class="form-group">
28                          <i class="fa fa-envelope"></i>
29                          <input type="email" class="myInput" placeholder="Email" id="userId" name="email" required />
30                      </div>
31
32                      <!-- For password Input -->

```

master 11 01 0 0 △ 0 Ln 20, Col 27 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help signin.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views > signin.ejs > html > body.signin > div.container > div.myCard > div.row

<% covidLive.ejs (Working Tree) header.ejs chart.ejs footer.ejs signin.ejs X JS passport.js signup.ejs ...

<% MINIPROJECT_COVID_2020

- countrylive.ejs
- covidintro.ejs
- covidLive.ejs
- dashboard.ejs
- footer.ejs
- form.ejs
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs
- nav2.ejs
- signin.ejs**
- signup.ejs
- subpage.ejs
- .gitignore
- JS app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

< NPM SCRIPTS

- package.json
- test

```

37      <!-- Submit button -->
38      <input type="submit" class="button" value="LogIn/SignIn" />
39      <p class="log">
40          | Don't have an account? <a href="/users/register">SignUp</a>
41      </p>
42      </form>
43      </div>
44  </div>
45
46
47      <!-- For right part -->
48  <div class="right col-md-6">
49      <div class="myRightCtn">
50          <div class="box">
51              <header>Covid-19</header>
52              
53              <h3>Join Us</h3>
54              <h4>Health and Wellness</h4>
55              <a href="/about"><input type="button" class="button" style="display: inline-block; width: 90px;" value="About Us" /></a>
56              <a href="/home" style="display: inline-block; padding: 0; color: white; width: 90px; margin-left: 10px; text-decoration: none; font-weight: bold;">Home</a>
57          </div>
58      </div>
59  </div>
60  </div>
61  iv>
62  y>
63  l>
64
65  l>
66

```

master 11 01 0 0 △ 0 Ln 20, Col 27 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

File Edit Selection View Go Run Terminal Help form.ejs - MiniProject_Covid_2020 - Visual Studio Code

EXPLORER ... views > form.ejs > html > body > form.suggestion > section#suggestionForm > div.container-fluid.padding > div.row.padding > div.col-md-8 > for

<% covidLive.ejs (Working Tree) form.js auth.js messages.ejs (Working Tree) index.js (Working Tree) ...

<% MINIPROJECT_COVID_2020

- countrylive.ejs
- covidintro.ejs
- covidLive.ejs
- dashboard.ejs
- footer.ejs
- form.ejs**
- gdp.ejs
- header.ejs
- history.ejs
- home.ejs
- nav2.ejs
- signin.ejs
- signup.ejs
- subpage.ejs
- .gitignore
- JS app.js
- index.html
- Mid_Term_Report...

> OUTLINE

> TIMELINE

< NPM SCRIPTS

- package.json
- test

```

68      <hr />
69
70  </div>
71  <div class="container-fluid padding">
72      <div class="row padding">
73          <div class="col-md-8">
74              <form class="" action="/users/saveform" method="post">
75                  <div class="form-group">
76                      <label for="exampleFormControlInput1">Name</label>
77                      <input type="text" class="form-control" placeholder="Write your name here" name="username" required aria-describedby="exampleFormControlInput1" />
78                  </div>
79                  <div class="form-group">
80                      <label for="exampleFormControlInput1">Email address</label>
81                      <input type="email" class="form-control" id="exampleFormControlInput1" placeholder="name@example.com" name="email" required aria-describedby="exampleFormControlInput1" />
82                  </div>
83
84                  <div class="form-group submitText">
85                      <label for="exampleFormControlTextareal1">Your Suggestion</label>
86                      <textarea class="form-control" id="exampleFormControlTextareal1" rows="3" name="mysuggestion" required aria-describedby="exampleFormControlTextareal1" placeholder="Type your suggestion here" />
87                      <input type="submit" class="button btn-lg" name="" value="Submit" />
88                      <input type="reset" name="" value="Reset" class="button btn-lg" />
89                  </div>
90
91              </form>
92          </div>
93          <div class="col-md-4 center" style="text-align: center;">
94              
95          </div>
96      </div>
97  </section>
98  <div class="all-suggestion">
99      <a href="/users/subpage">See suggestions given by all people.</a>

```

master 11 01 0 0 △ 0 Ln 75, Col 39 Spaces: 2 UTF-8 CRLF HTML Go Live Prettier

Git Repository:

https://github.com/kshitijgupta468035/MiniProject_Covid_2020

References

- ✓ [Stack Overflow - Where Developers Learn, Share, & Build Careers](#)
- ✓ [YouTube](#)
- ✓ [W3Schools Online Web Tutorials](#)
- ✓ [Udemy: Online Courses - Learn Anything, On Your Schedule](#)
- ✓ [DevDocs API Documentation](#)

We have used these resources as a reference to build our project. These all resources are good e-learning platforms and give us a lot of information to resolve troubles and doubts in the making of this project.