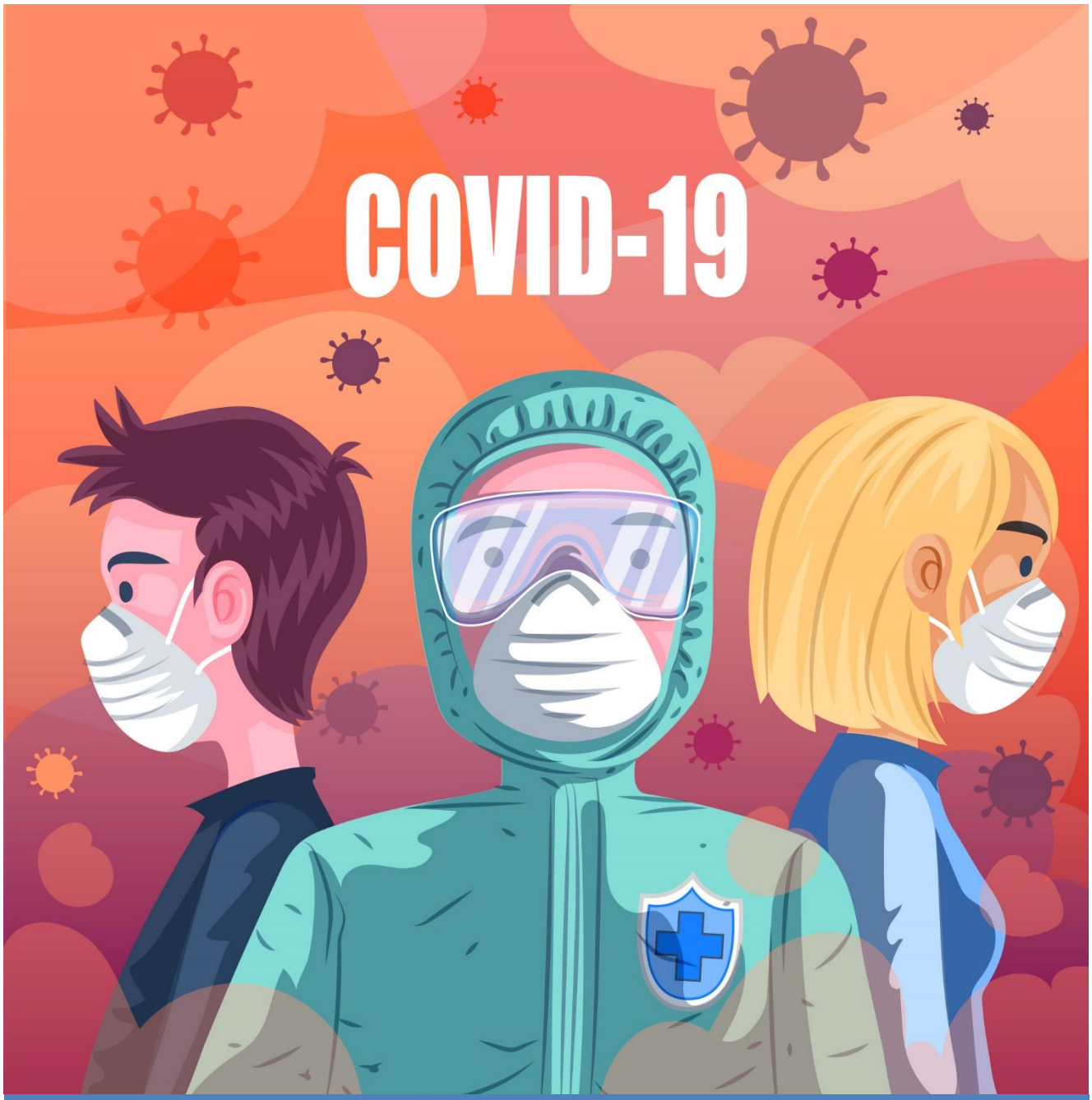

Covid-19 Health Tracker

Urmil Rupareliya

Saurashtra University-Rajkot

A Project Report On

Covid-19 Health Tracker

Kamani Science & Prataprai Arts College

Covid-19 Awareness

(Corona live Updates)

Developed By

Urmil Rupareliya

Guide By

Mr. Ravi Joshi

Submitted in partial fulfillment of the requirement

For the award of the degree of Bachelor of Computer Applications (BCA)

Year of Submission

2020-2021

Covid-19 Health Tracker

Preface

The main objective of any computer science student is to get practical Knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is Important as theoretical knowledge, we are thankful of having a project.

Through the development of the project we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.

We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.

Covid-19 Health Tracker

Acknowledgement

We are student of BCA sem-5 Studying in the Kamani Science Collage, Amreli. We Thanks to the entire person who has given their support in shaping of the system.

We thank my friend Smit Bosamiya, Rakesh Sir Savaliya for giving us guidance and Co-operation in understanding the system. We also thank them for their unconditional help in making of this project.

We have great deal of gratitude towards our head of department who encourage us in taking up this activity. We thank all faculties and administrative staffs of the institute.

Thanks to all

Urmil Rupareliya

Covid-19 Health Tracker

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Introduction

The Covid-19 Awareness Site Provide User to number of live cases of corona positive cases.

1) User has to sign up in the site for create account and watch live updates of covid-19(Coronavirus).

2) After sign up user can surf website and get information.

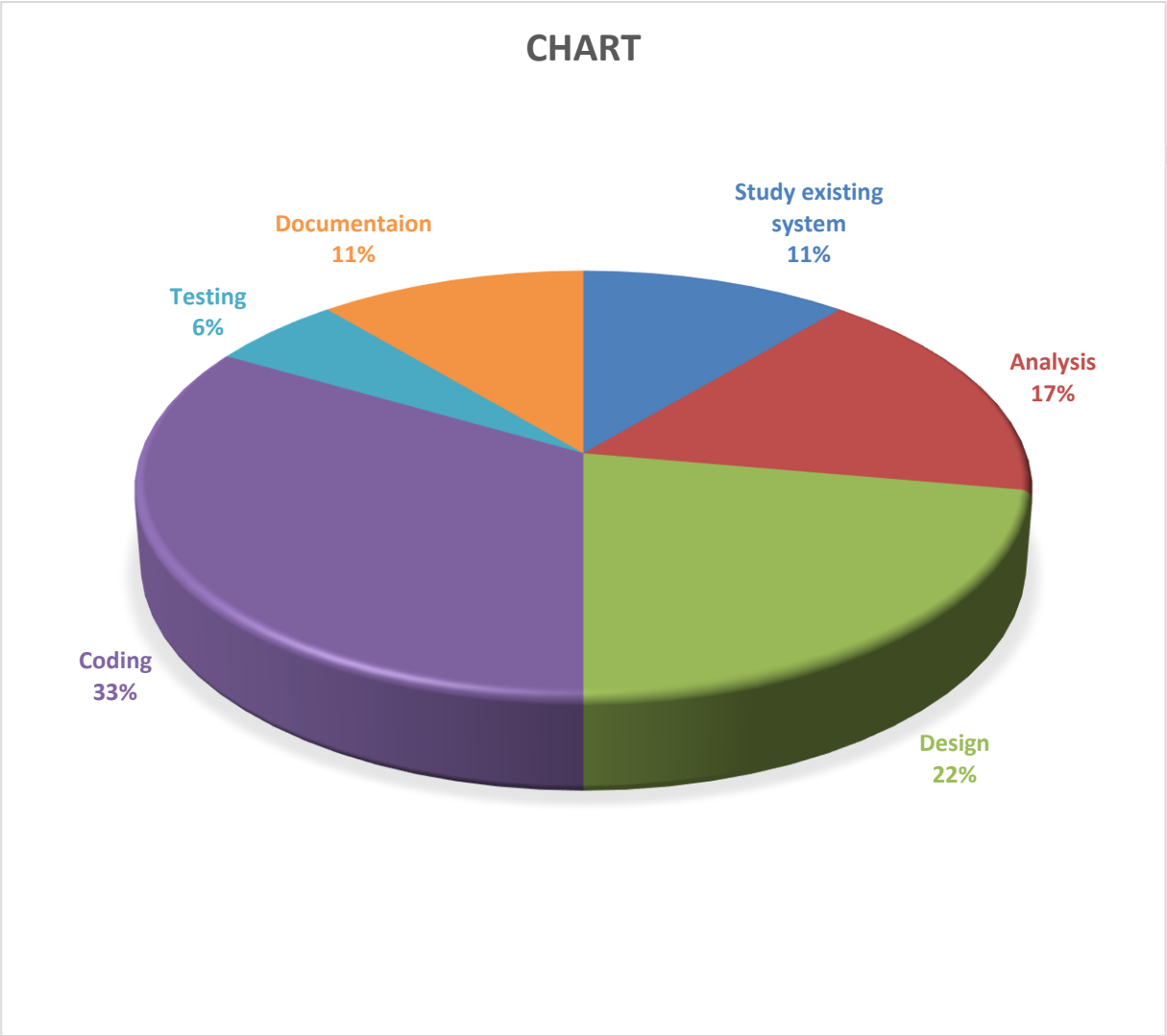
3) User can also give symptoms checking test and get them score.

4) they can see live updates in 3.

5) User can contact and contribute.

Covid-19 Health Tracker

Time Line Chart



Each Segment Specify a Day.

Project Profile

➢ Project Name	:	Covid-19 Awareness (Covid-19 Health Tracker)
➢ Developed By	:	Urmil Rupareliya
➢ Front End Tool	:	PHP, HTML, JavaScript
➢ Back End Tool	:	MySQL, Open source API
➢ Operating System	:	Microsoft Windows XP & Microsoft Window 7 & Windows 10
➢ Computer System	:	Core to Duo or Higher, RAM: 256 MB
➢ Project Details	:	In this project user can see live updates of corona and they can get more information about corona.
➢ Completion Time	:	3 Months
➢ Guide By	:	Mr. Ravi Joshi
➢ Submitted By	:	Saurashtra University, Rajkot

Covid-19 Health Tracker

Hardware Requirement

- 512+ MB of RAM
- Multimedia Keyboard and Mouse
- 1.0+GHz Processor
- Monitor

Software Requirement

- Operating System : Microsoft Windows XP &Windows 10 and Linux distro
- Front End Tools : Html, JavaScript, Bootstrap and PHP
- Back End Tools : MySQL, Open Source API's & GitHub
- Documentation Tools : Microsoft Word 2010
- Browser specification : Chrome

Covid-19 Health Tracker

Requirement Specifications

- **MySQL RDBMS used to maintain the all concerned data.**
- **Uses special views to display data.**
- **Display all types of data using classified reports with combinations of multiple tables.**
- **Special searching for Open source API's.**
- **Use GitHub for fetch live data worldwide.**

Problem Definition

- **Maintain Users Profile**
- **Get research about Corona**
- **Maintain live Cases of corona**
- **Maintain Suggestions**
- **Maintain Contributors**
- **Maintain Contacts**
- **Maintain Users List**

Covid-19 Health Tracker

Project Planning & Scheduling

The "Covid-19 Health Tracker" is a system about Coronavirus disease (Covid-19) is an infectious disease caused by a new virus that had not been previously identified in humans. Peoples use this website to learn more about the corona virus disease and keep themselves updated.

Before selecting this subject, I have thought that why we are not working on real world projects and at that time I think this corona situation, let me make project that help to peoples who want to know more about corona(Covid-19) and how many cases in your area so they can aware and safe ,and I make this system.

Covid-19 Health Tracker

System Analysis

System analysis is the process of identification of objectives and requirements, evaluation of alternative solutions and recommendation for a more feasible solution. In other words, system analysis is the step by step process of gathering, recording and interpreting facts. The main aim of analysis is to determine problem areas and to take solutions to reduce or eliminate them.

❖ System analysis itself breaks into two stages:

1. Preliminary analysis

2. Detailed analysis

During analysis, data are collected from the available files, decision points and transactions of the systems using various tools like Data Flow Diagram (DFD).

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Feasibility Study

A purpose of feasibility study is to check out the possibility of a computerized solution to the organization's observed problem before very much money that has been spent on.

A feasibility study is carried out to select the best system that meets performance requirements. Only by spending the time to evaluate the feasibility do I reduce the chances for extreme embarrassment at later stage of the system project.

For the complete feasibility study, I need to concentrate on following area:

They are of three types:

1. Technical
2. Operational
3. Economical

Covid-19 Health Tracker

➢ Technical

Technical feasibility considers whether the desired project can be completed within the framework of available technology. As our project was website designing, this was not much of a problem, as many advanced web-editing tools are available.

➢ Operational

Operational feasibility was done to assure that the product that would be developed would be used. Since a cards and gifts must have a website of its own sooner or later, that wasn't much of a problem

➢ Economical

Our Commercial Website is Economically Feasible Because. We have developed this website only for one time. Only future enhancement is required on the other hand every client can view our site any time or many times as per their requirement. So, the future economical expenses are null. So, we can say that this website is totally economically feasible.

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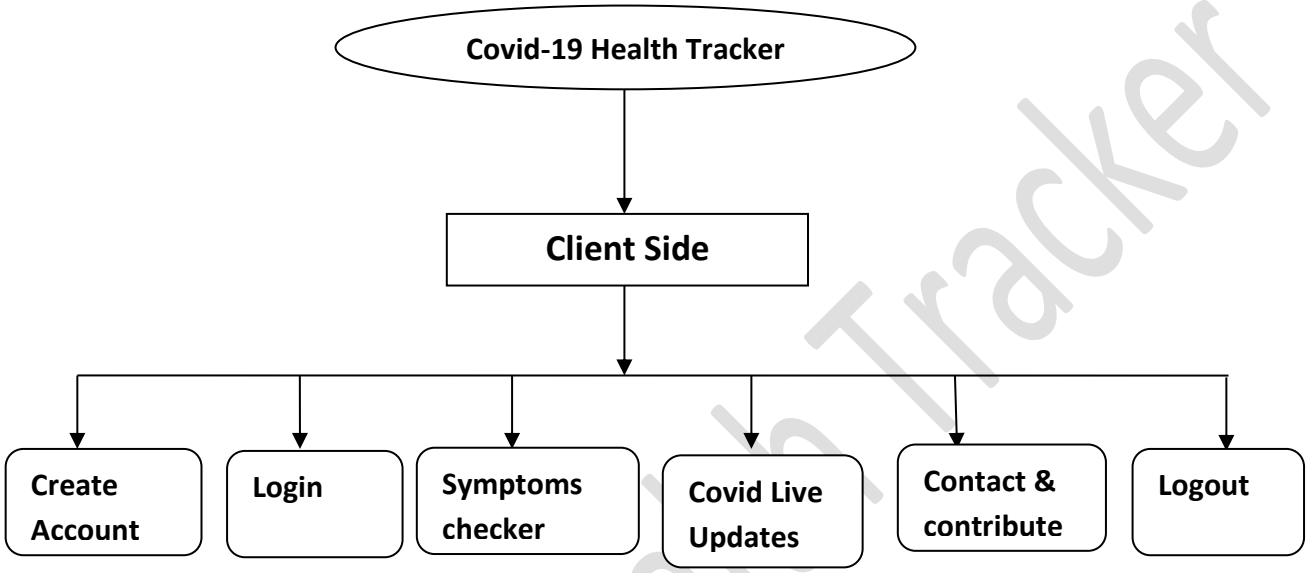
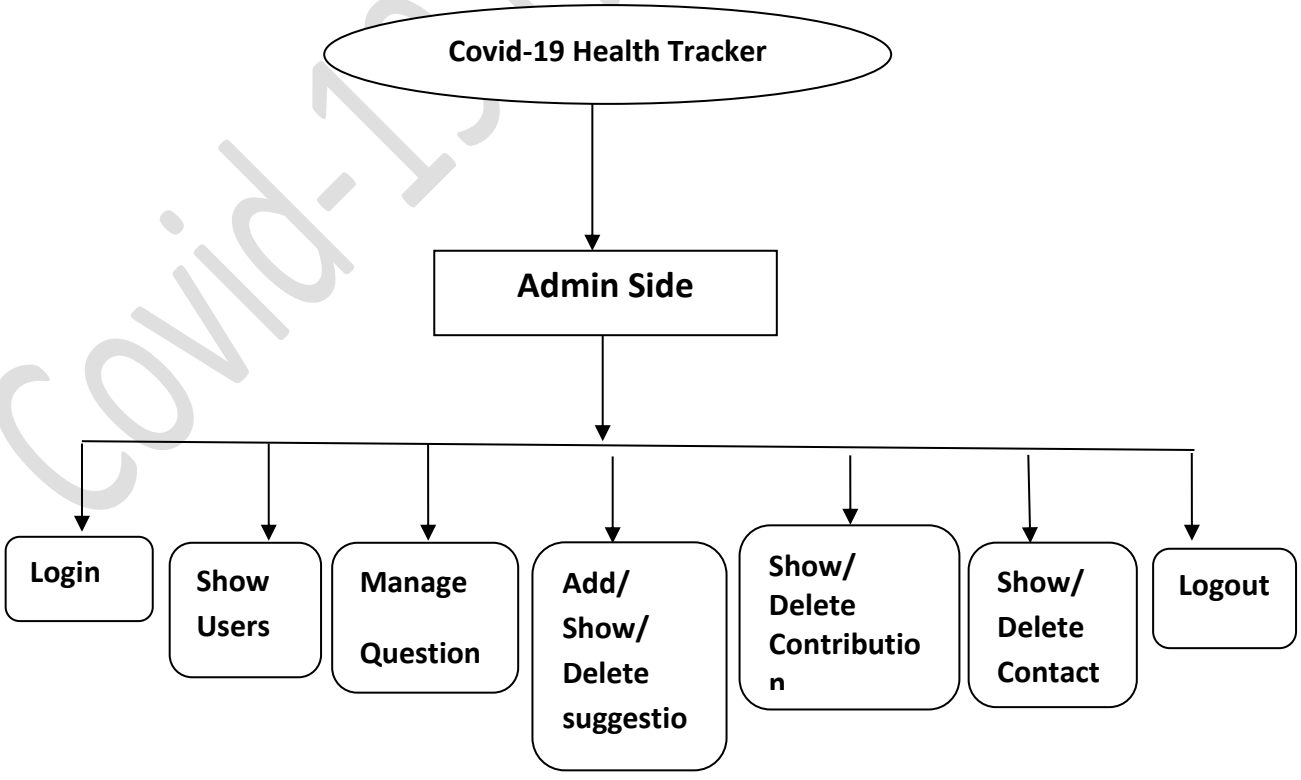
Project Page Structure

Client Side



➢ Admin Side



Covid-19 Health Tracker

Data Dictionary

The data Dictionary is a set of tables. MySQL uses it to maintain information about this own database.

➢ **Data dictionary contains the following information:**

- Name of the table of database.
- User information such as privileges.
- Name and data-type of all columns in database table.

Database Name: covid19.sql

1) Admin:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	id	int(11)			No	*None*		AUTO_INCREMENT	Change Drop More
☐	2	username	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	3	password	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More

2) Users:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	id	int(11)			No	*None*		AUTO_INCREMENT	Change Drop More
☐	2	name	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	3	mobile	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	4	username	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	5	password	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More

3) Questions:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
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3	ans_id	int(255)			No	None			Change Drop More
4	a1	varchar(1000)	utf8mb4_general_ci		No	None			Change Drop More
5	a2	varchar(1000)	utf8mb4_general_ci		No	None			Change Drop More
6	a3	varchar(1000)	utf8mb4_general_ci		No	None			Change Drop More
7	a4	varchar(1000)	utf8mb4_general_ci		No	None			Change Drop More

4) Suggestions:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
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2	post	varchar(1000)	utf8mb4_general_ci		No	None			Change Drop More
3	ttmp	datetime			No	current_timestamp()			Change Drop More
4	sname	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

5) Contributions:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
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2	fname	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
3	lname	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
4	username	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
5	email	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
6	city	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
7	zip	int(255)			No	None			Change Drop More
8	reason	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

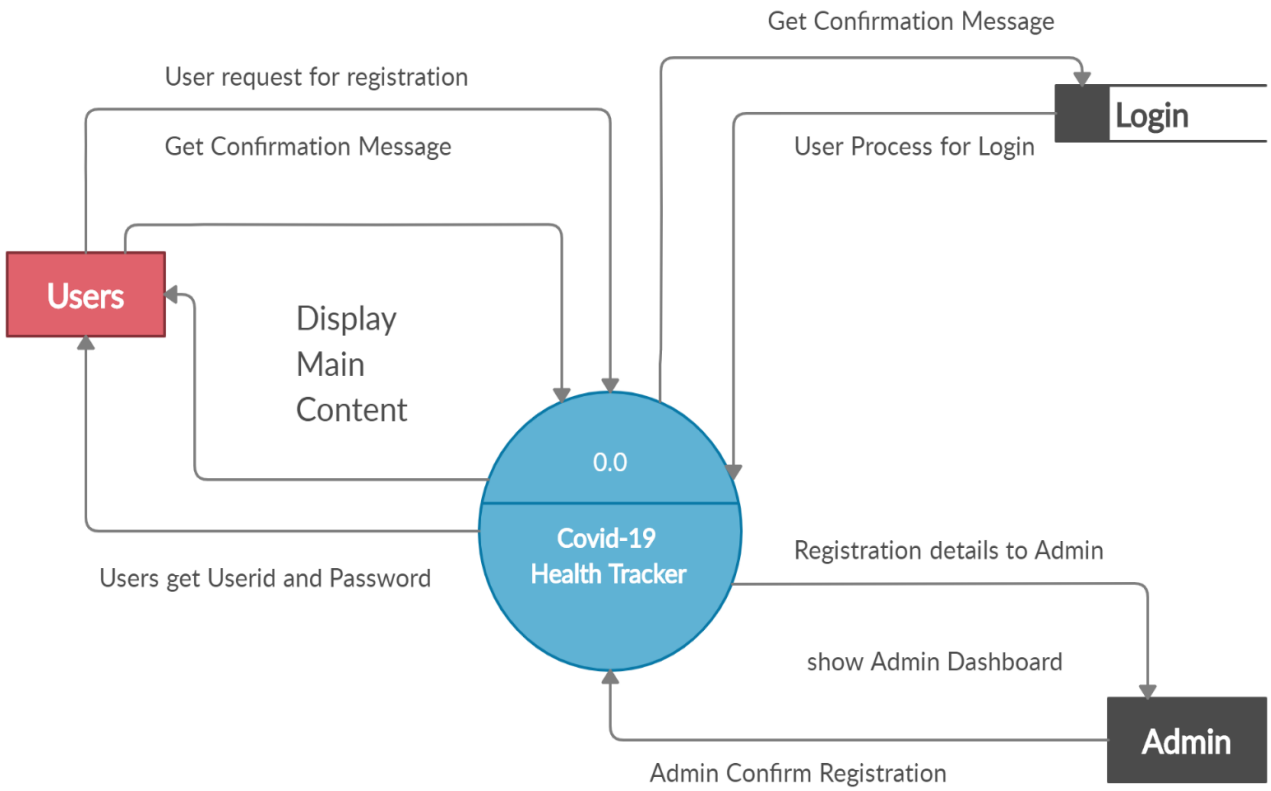
6) Contact Us:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	id	int(255)			No	*None*		AUTO_INCREMENT	Change Drop More
☐	2	name	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	3	email	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	4	mobile	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	5	reason	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More

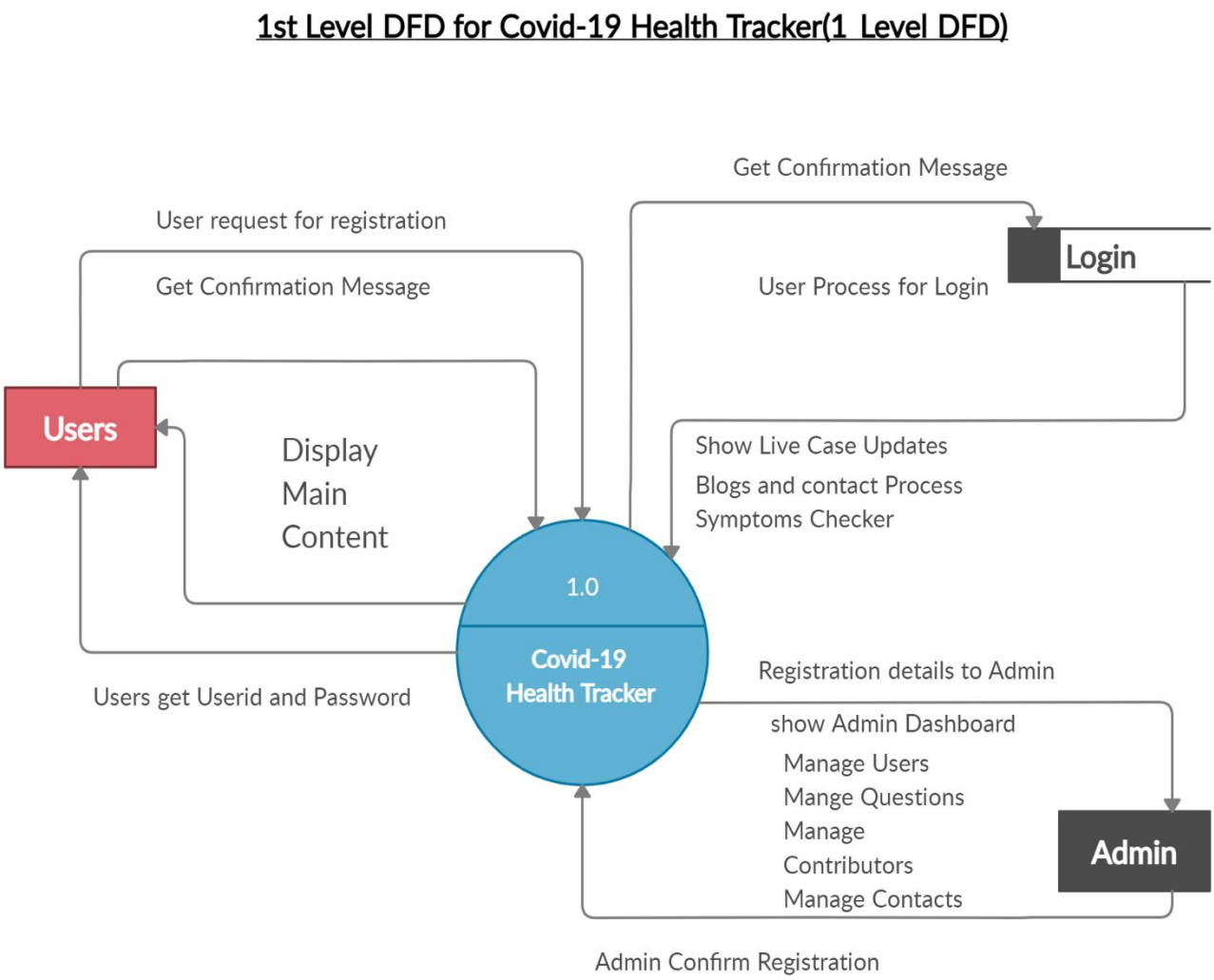
Covid-19 Health Tracker

Context level Diagram (0 Level DFD)

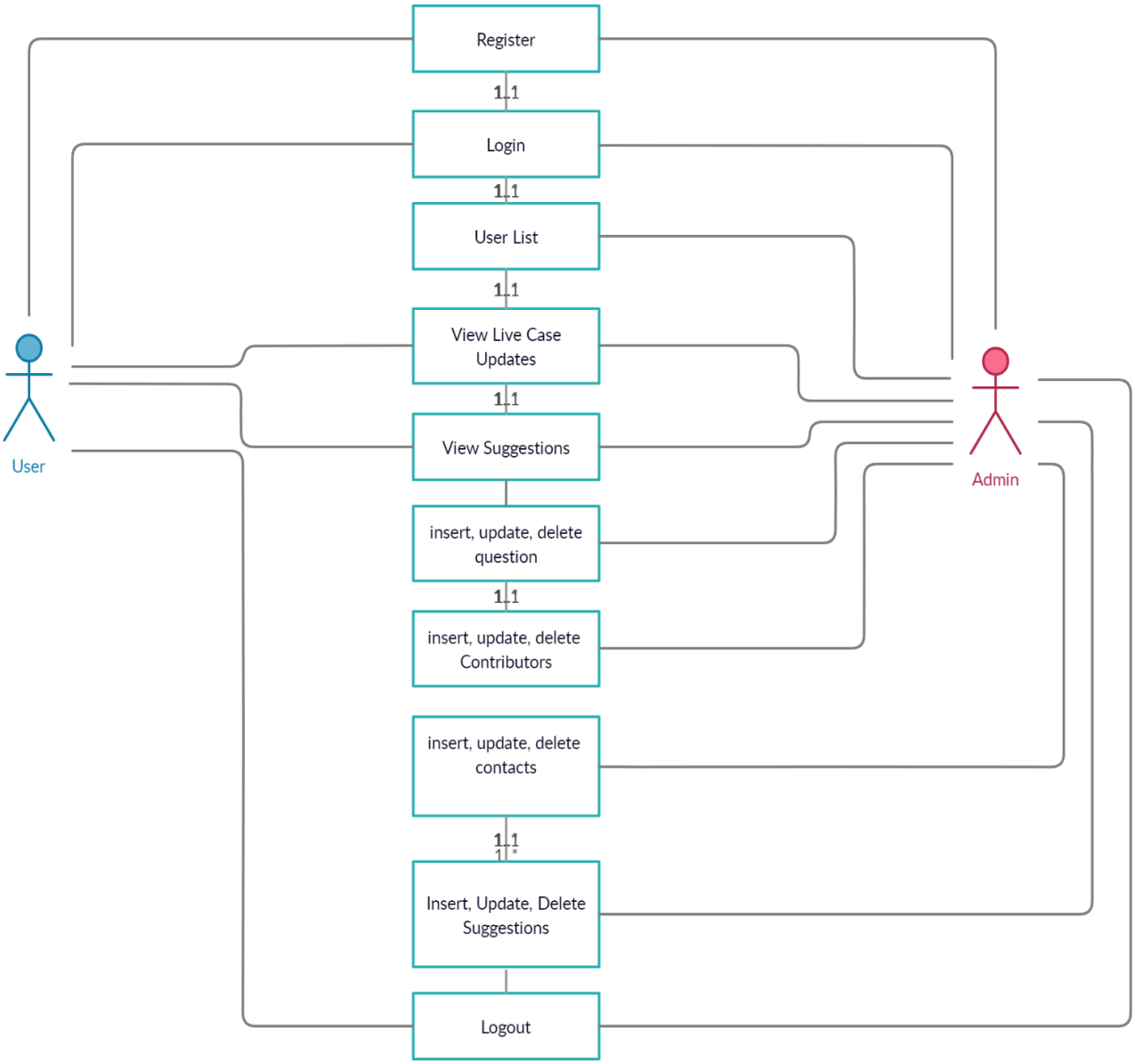
Context Level DFD for Covid-19 Health Tracker(0 Level DFD)



1st Level Diagram

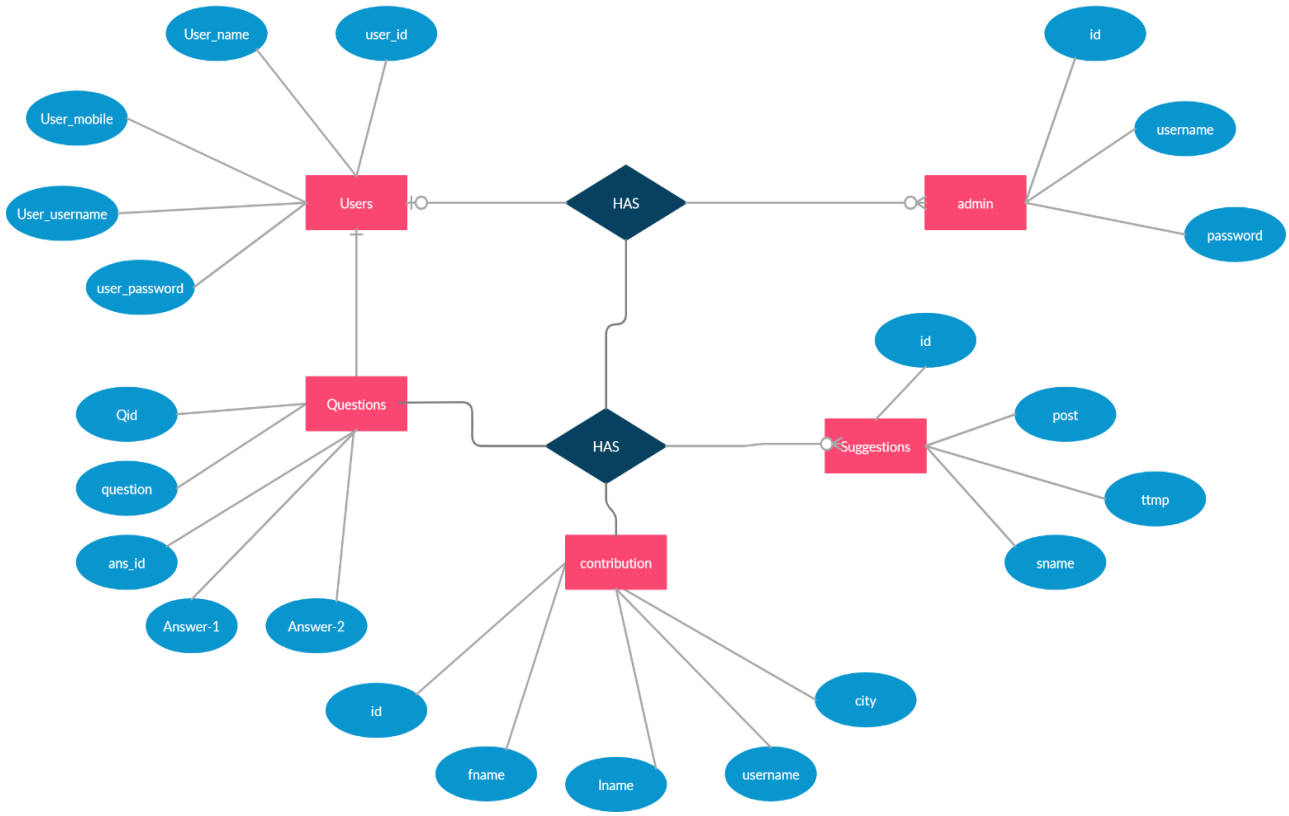


Use case Diagram



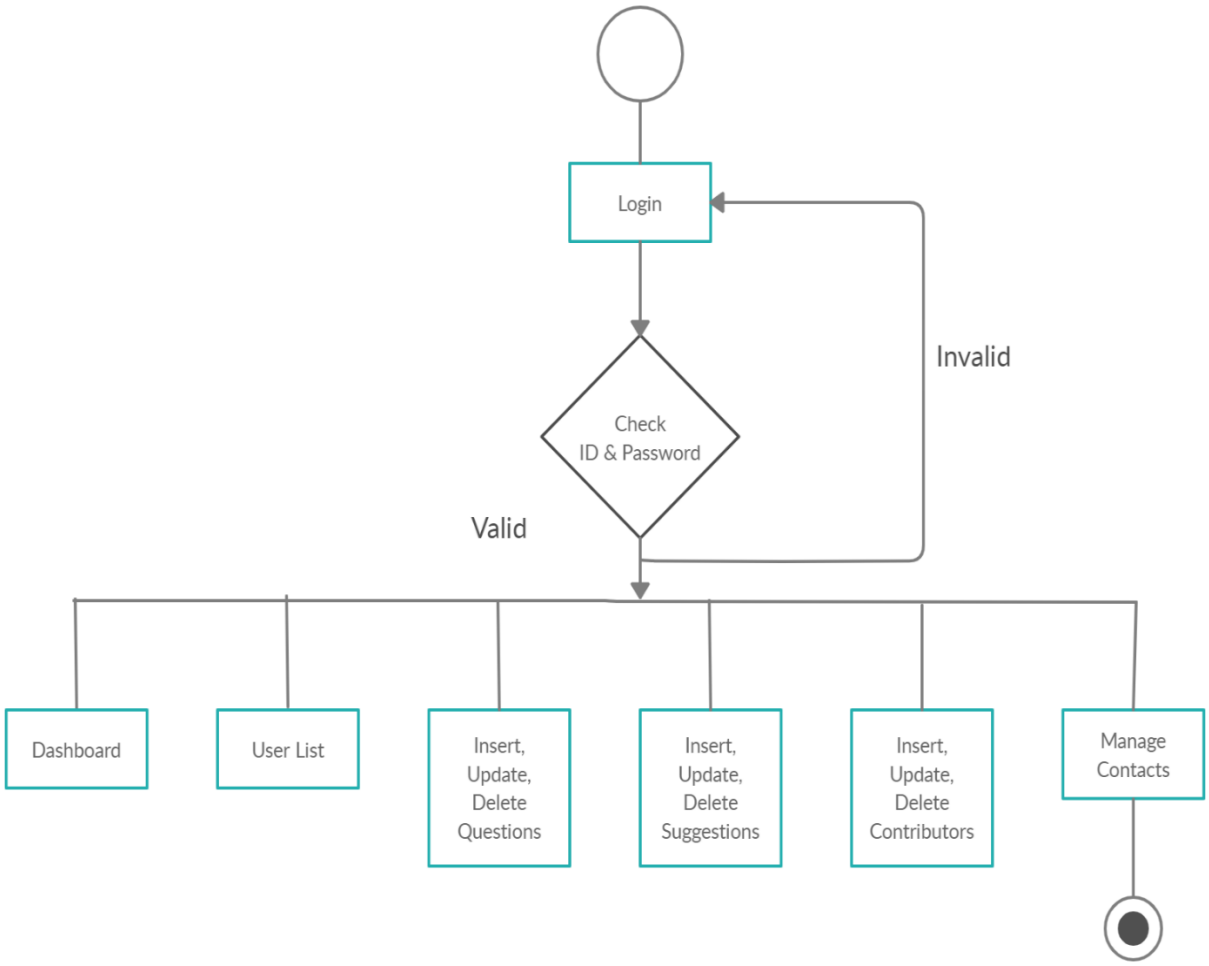
E.R. Diagram

E-R Diagram of Covid19 Health Tracker

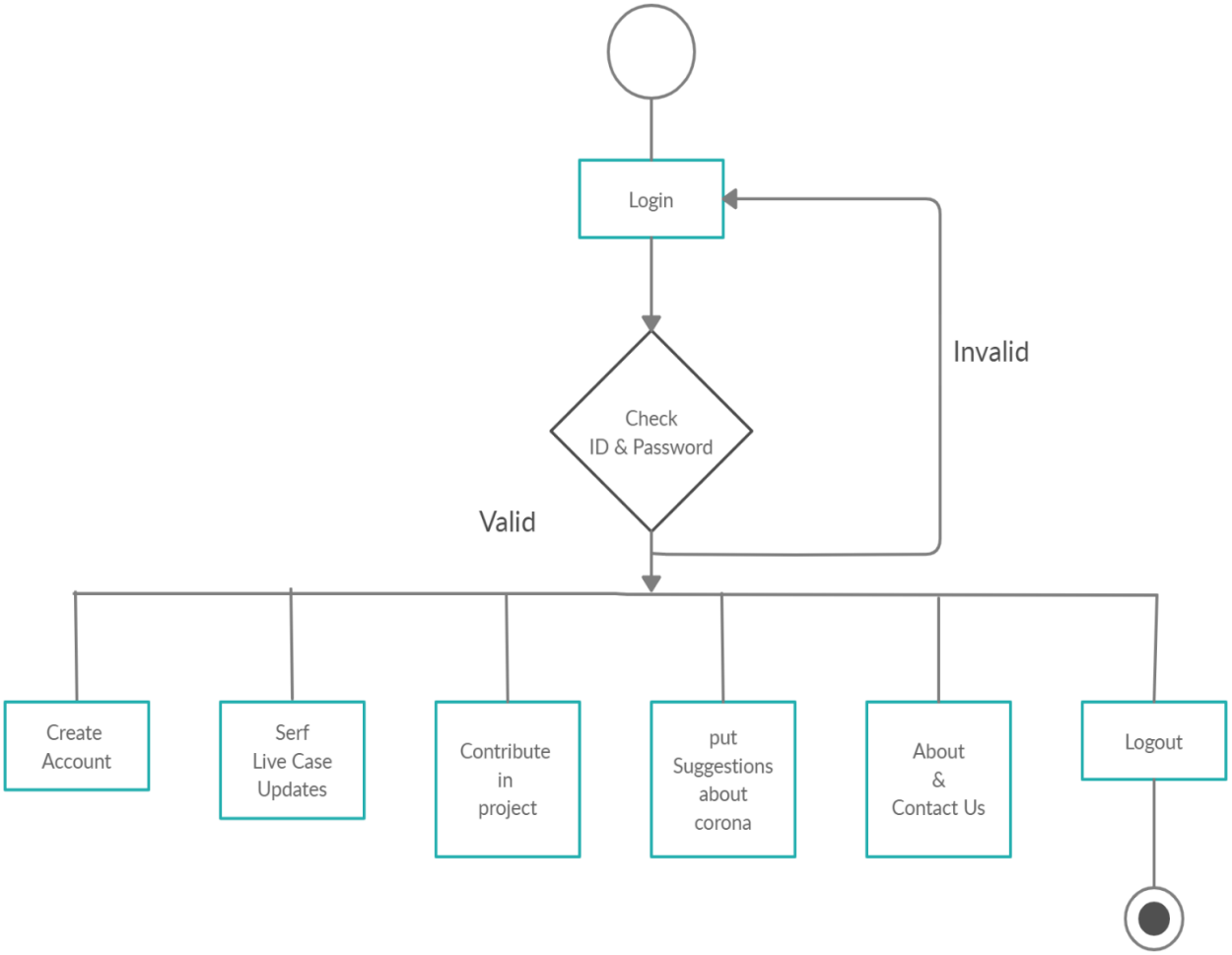


Activity Diagram

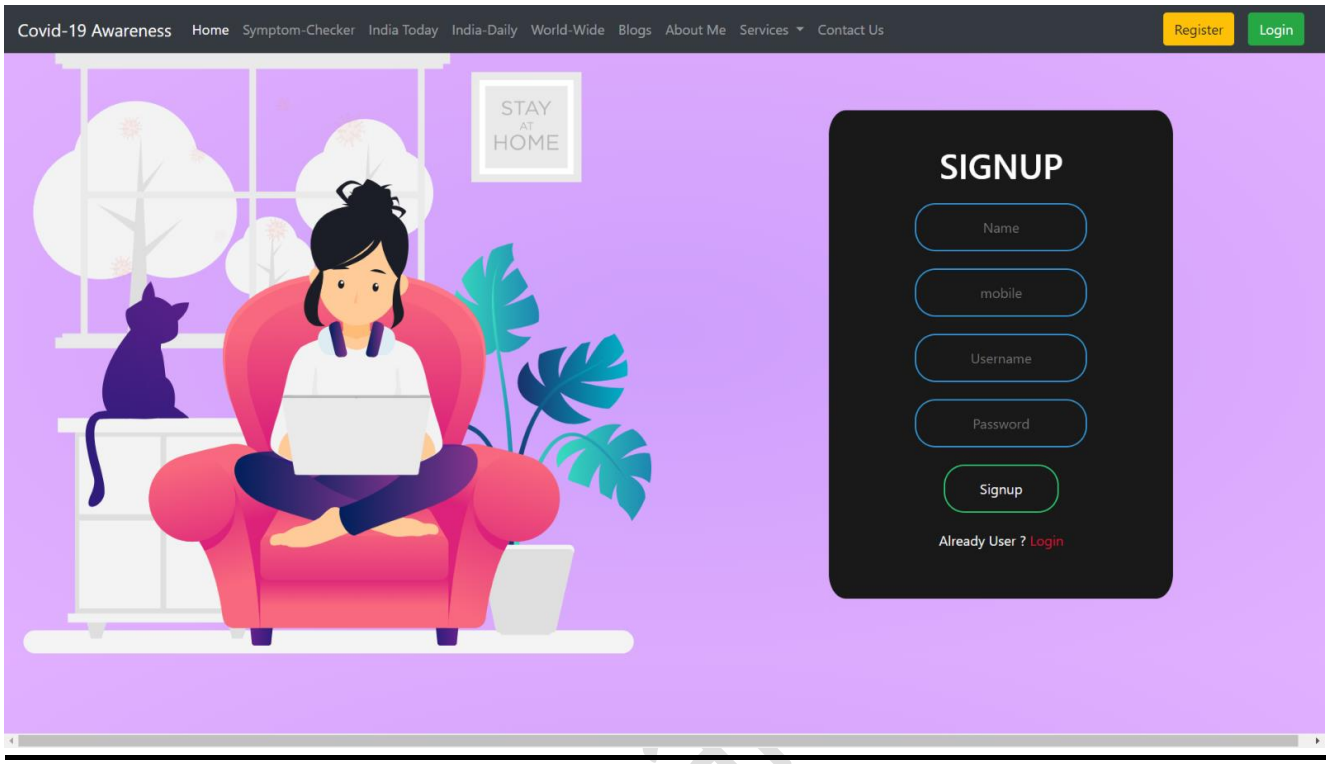
➢ **Admin Side:**

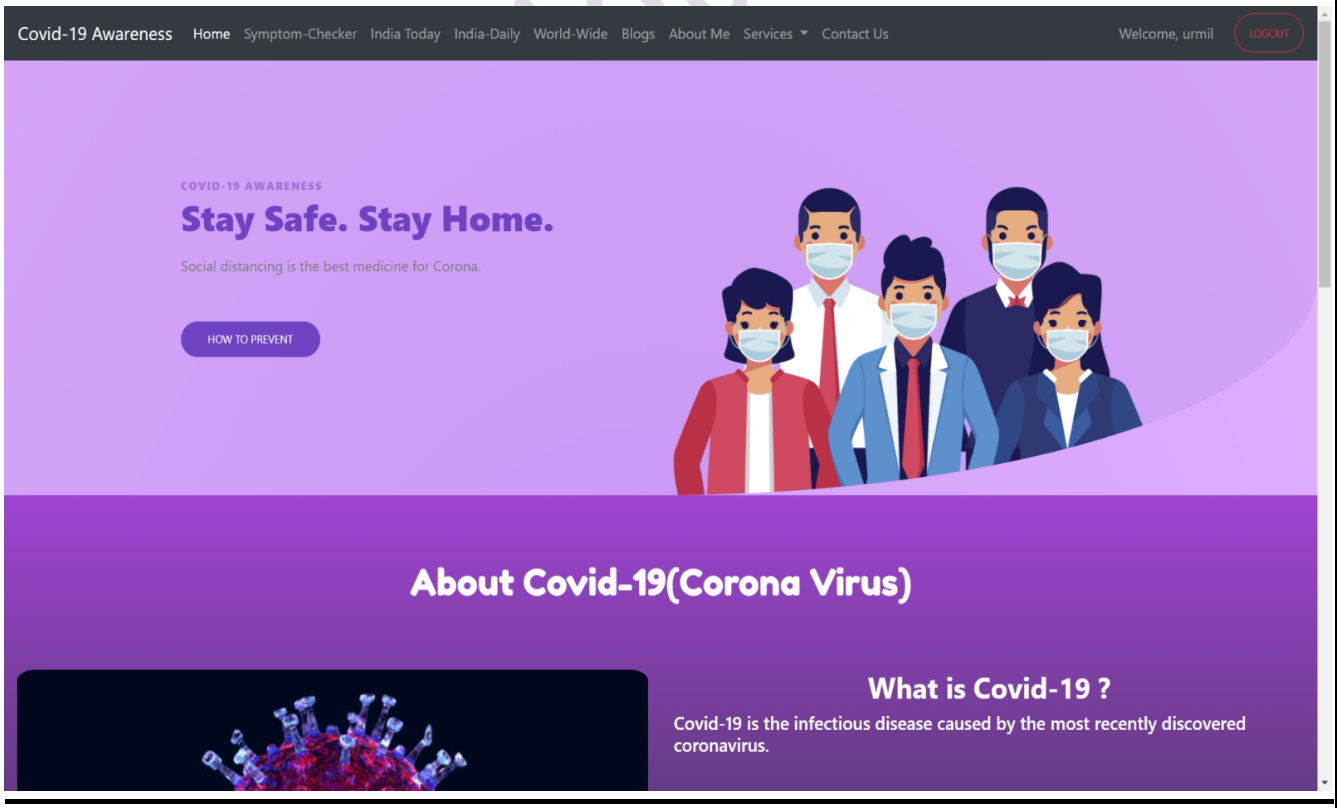


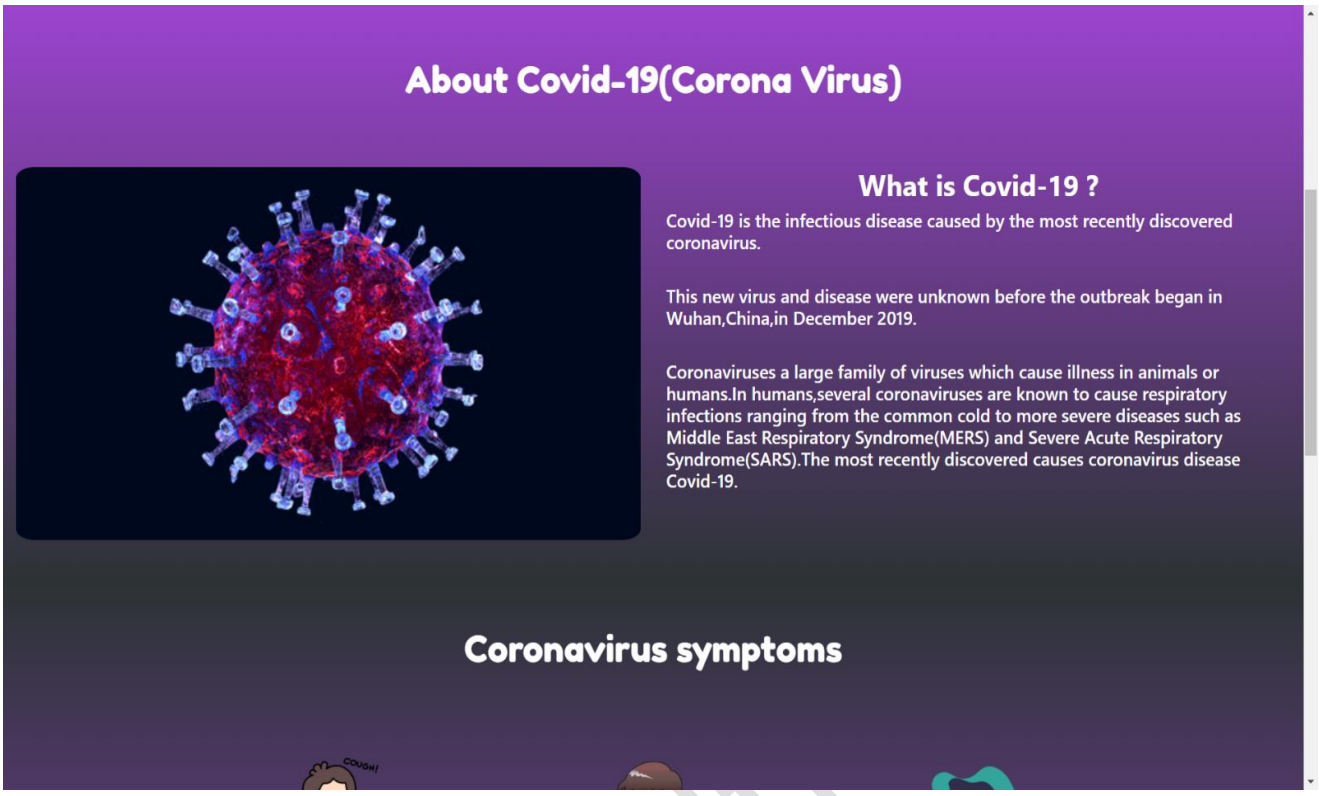
Client Side :

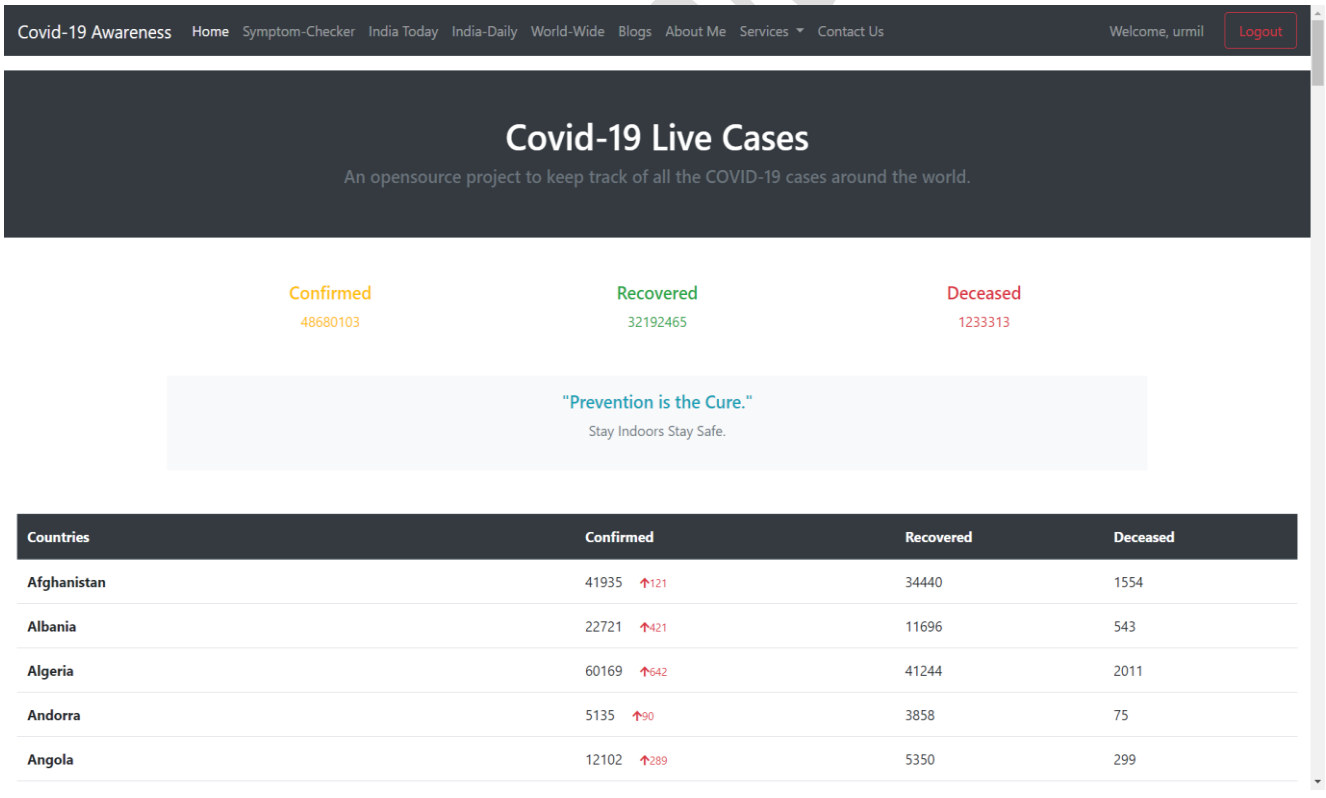

Login
Check
ID & Password
Invalid
Valid
Create
Account
Serf
Live Case
Updates
Contribute
in
project
put
Suggestions
about
corona
About
&
Contact Us
Logout

Screenshots:






About Covid-19(Corona Virus)
What is Covid-19 ?
Covid-19 is the infectious disease caused by the most recently discovered coronavirus.
This new virus and disease were unknown before the outbreak began in Wuhan,China,in December 2019.
Coronaviruses a large family of viruses which cause illness in animals or humans.In humans,several coronaviruses are known to cause respiratory infections ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome(MERS) and Severe Acute Respiratory Syndrome(SARS).The most recently discovered causes coronavirus disease Covid-19.
Coronavirus symptoms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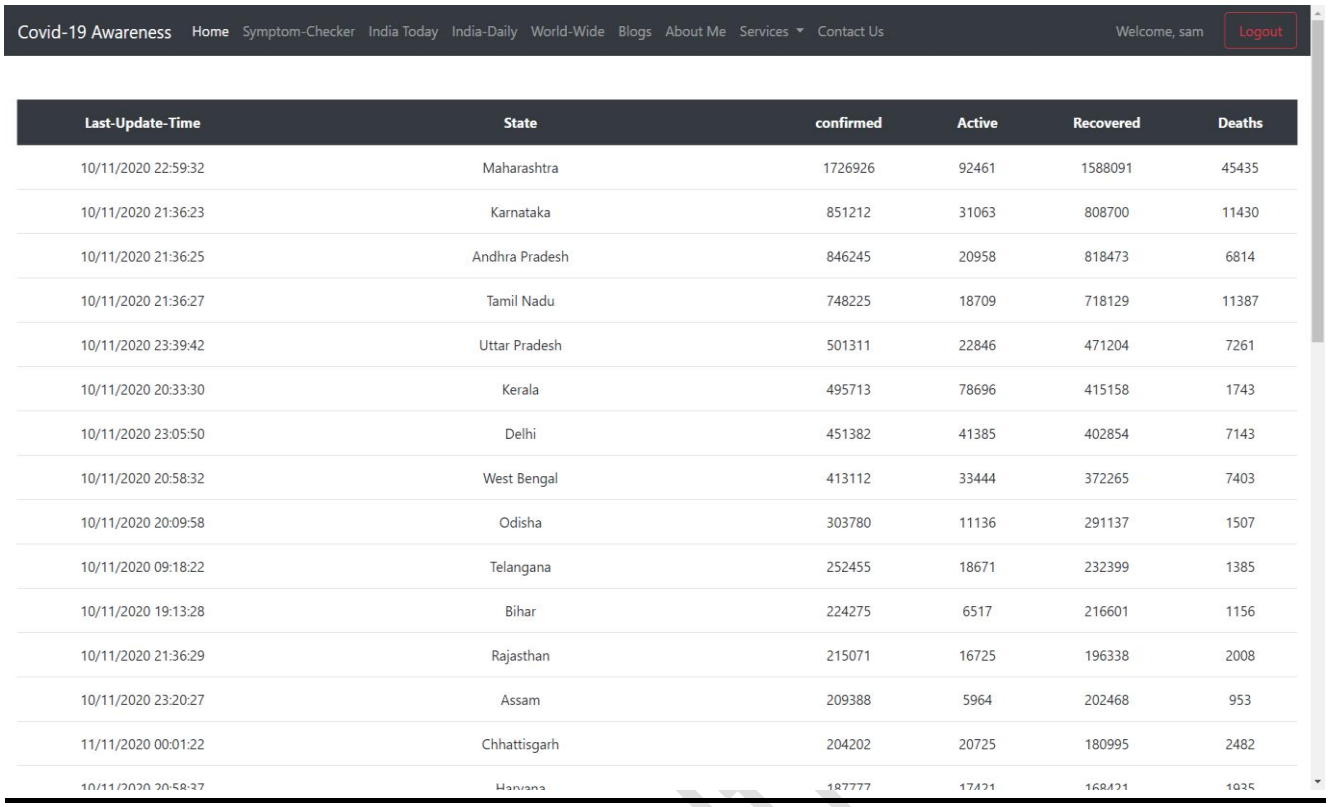
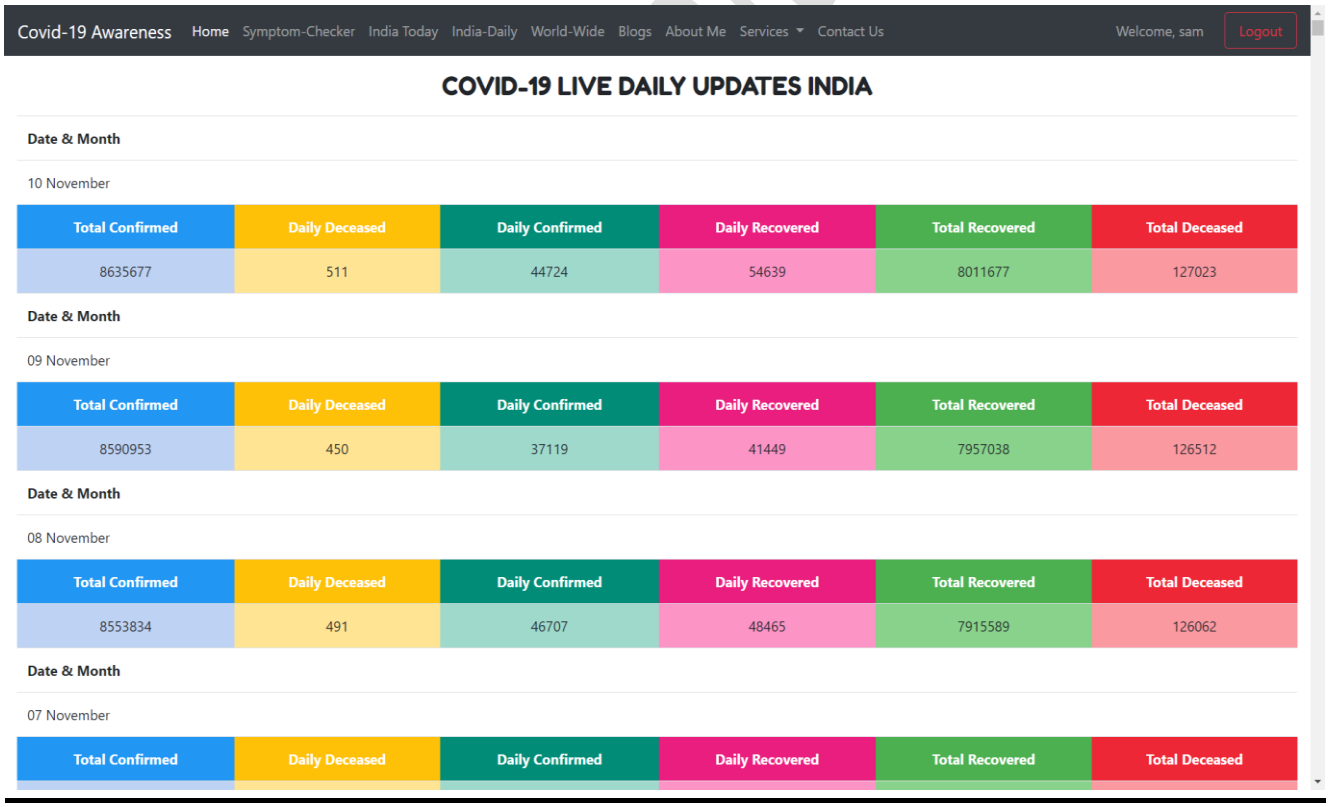
Covid-19 Live Cases
An opensource project to keep track of all the COVID-19 cases around the world.
Confirmed
48680103
Recovered
32192465
Deceased
1233313
"Prevention is the Cure."
Stay Indoors Stay Safe.
Countries
Confirmed
Recovered
Deceased
Afghanistan 41935 ↑121 34440 1554
Albania 22721 ↑421 11696 543
Algeria 60169 ↑642 41244 2011
Andorra 5135 ↑90 3858 75
Angola 12102 ↑289 5350 299



Last-Update-Time	State	confirmed	Active	Recovered	Deaths
10/11/2020 22:59:32	Maharashtra	1726926	92461	1588091	45435
10/11/2020 21:36:23	Karnataka	851212	31063	808700	11430
10/11/2020 21:36:25	Andhra Pradesh	846245	20958	818473	6814
10/11/2020 21:36:27	Tamil Nadu	748225	18709	718129	11387
10/11/2020 23:39:42	Uttar Pradesh	501311	22846	471204	7261
10/11/2020 20:33:30	Kerala	495713	78696	415158	1743
10/11/2020 23:05:50	Delhi	451382	41385	402854	7143
10/11/2020 20:58:32	West Bengal	413112	33444	372265	7403
10/11/2020 20:09:58	Odisha	303780	11136	291137	1507
10/11/2020 09:18:22	Telangana	252455	18671	232399	1385
10/11/2020 19:13:28	Bihar	224275	6517	216601	1156
10/11/2020 21:36:29	Rajasthan	215071	16725	196338	2008
10/11/2020 23:20:27	Assam	209388	5964	202468	953
11/11/2020 00:01:22	Chhattisgarh	204202	20725	180995	2482
10/11/2020 20:58:37	Haryana	187777	17421	168421	1935



COVID-19 LIVE DAILY UPDATES INDIA

Date & Month

10 November

Total Confirmed	Daily Deceased	Daily Confirmed	Daily Recovered	Total Recovered	Total Deceased
8635677	511	44724	54639	8011677	127023

Date & Month

09 November

Total Confirmed	Daily Deceased	Daily Confirmed	Daily Recovered	Total Recovered	Total Deceased
8590953	450	37119	41449	7957038	126512

Date & Month

08 November

Total Confirmed	Daily Deceased	Daily Confirmed	Daily Recovered	Total Recovered	Total Deceased
8553834	491	46707	48465	7915589	126062

Date & Month

07 November

Total Confirmed	Daily Deceased	Daily Confirmed	Daily Recovered	Total Recovered	Total Deceased

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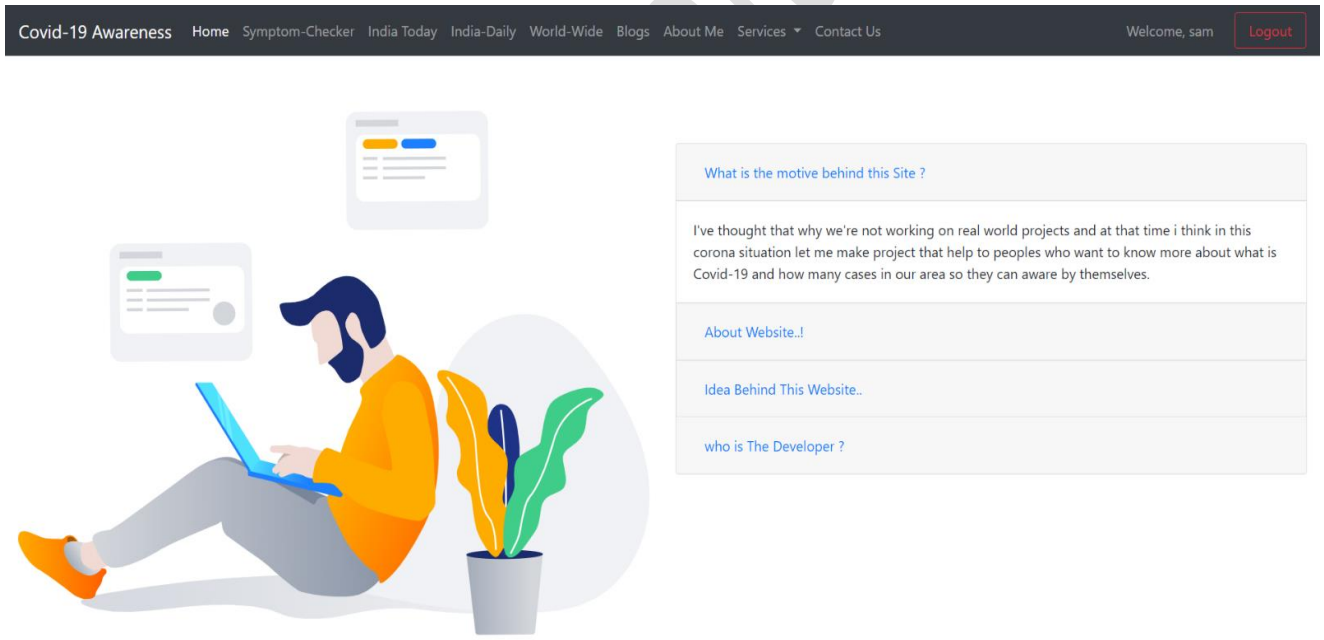
The Economic Times Blog
The world is facing humanity's biggest crisis since World War II. Almost every country has been affected by the devastating Coronavirus disease (COVID-19). An outbreak from China has gone everywhere. In the last few months, Corona's epicentre has been shifted from China to Europe to the United States. Till date, over 1.5 million people had been affected by COVID-19 and about 80,000 people had died worldwide.
Read Blog
The Times of India Blog
The recent COVID-19 pandemic has proved to be a game-changer for the majority of us. It has changed the way we behave and perceive things. Many of our habits have changed. We are experiencing a new world altogether. This unexpected and adverse shift in habits and mindset has impacted the economies heavily. Many have taken a bad hit. But in some cases, the results are exponentially positive.
Read Blog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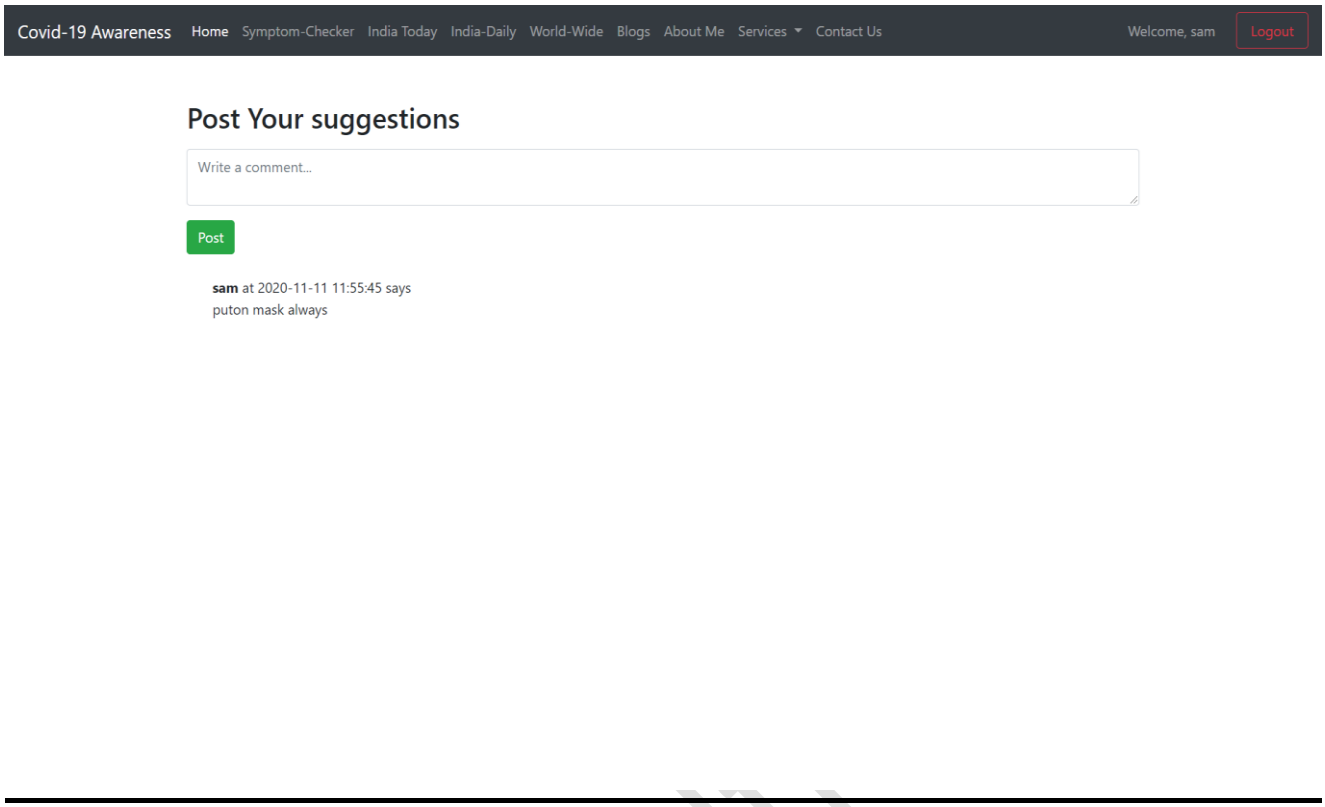
About Website..!
Idea Behind This Website..
who is The Developer ?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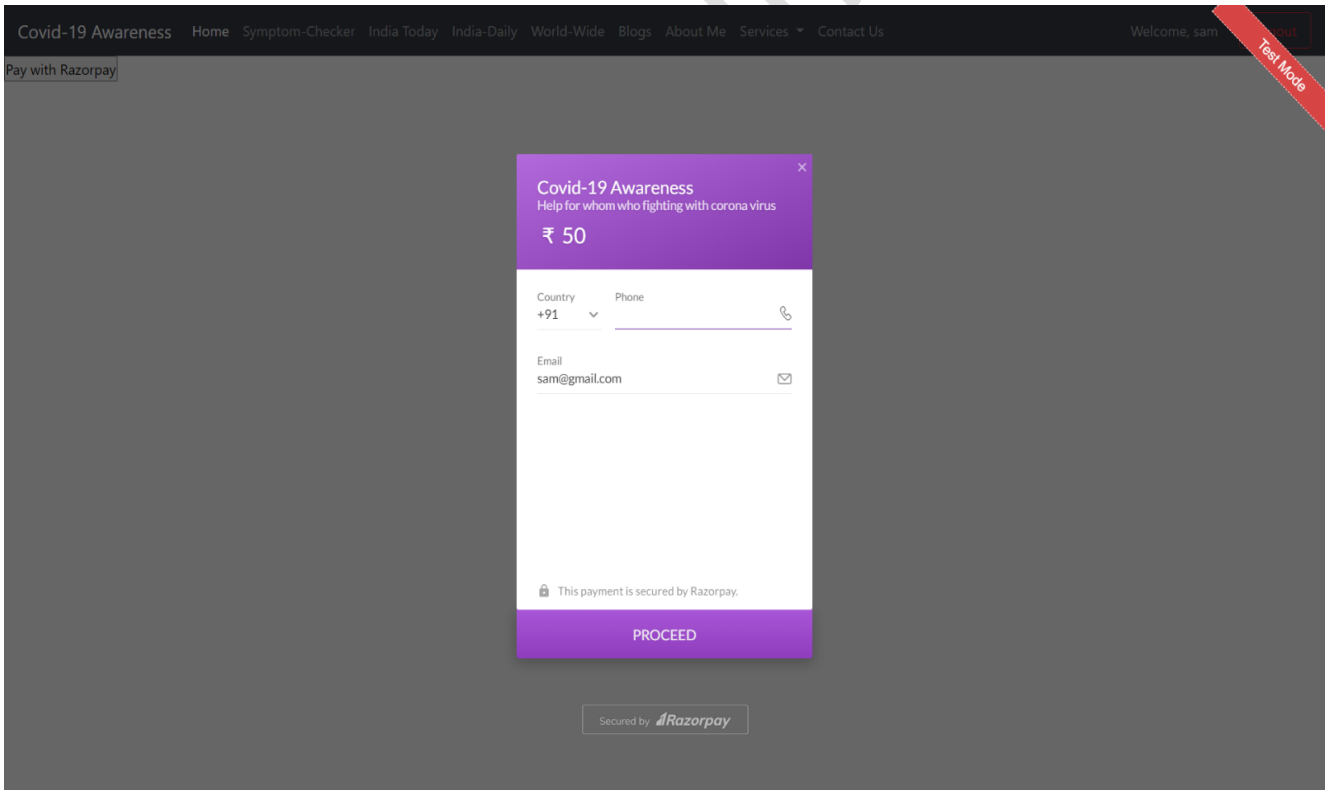
Welcome, sam
Logout
Post Your suggestions
Write a comment...
Post
sam at 2020-11-11 11:55:45 says
puton mask always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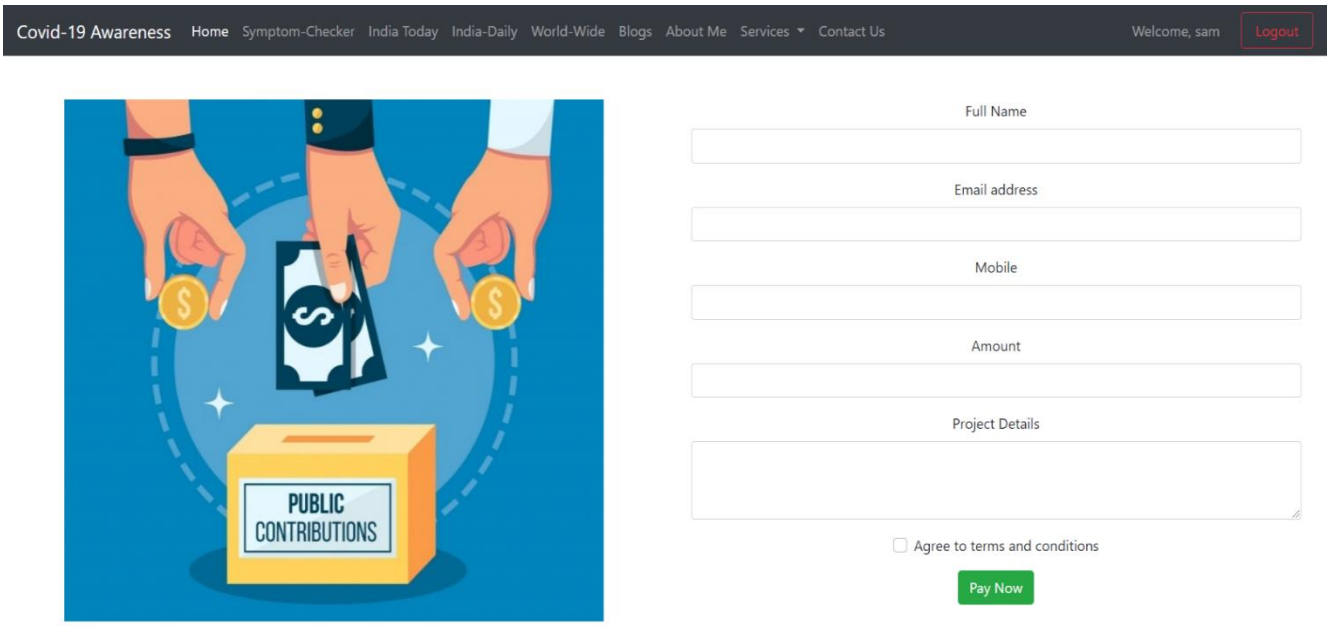
Pay with Razorpay
Test Mode
Covid-19 Awareness
Help for whom who fighting with corona virus
₹ 50
Country
+91
Phone
Email
sam@gmail.com
This payment is secured by Razorpay.
PROCEED
Secured by Razorpay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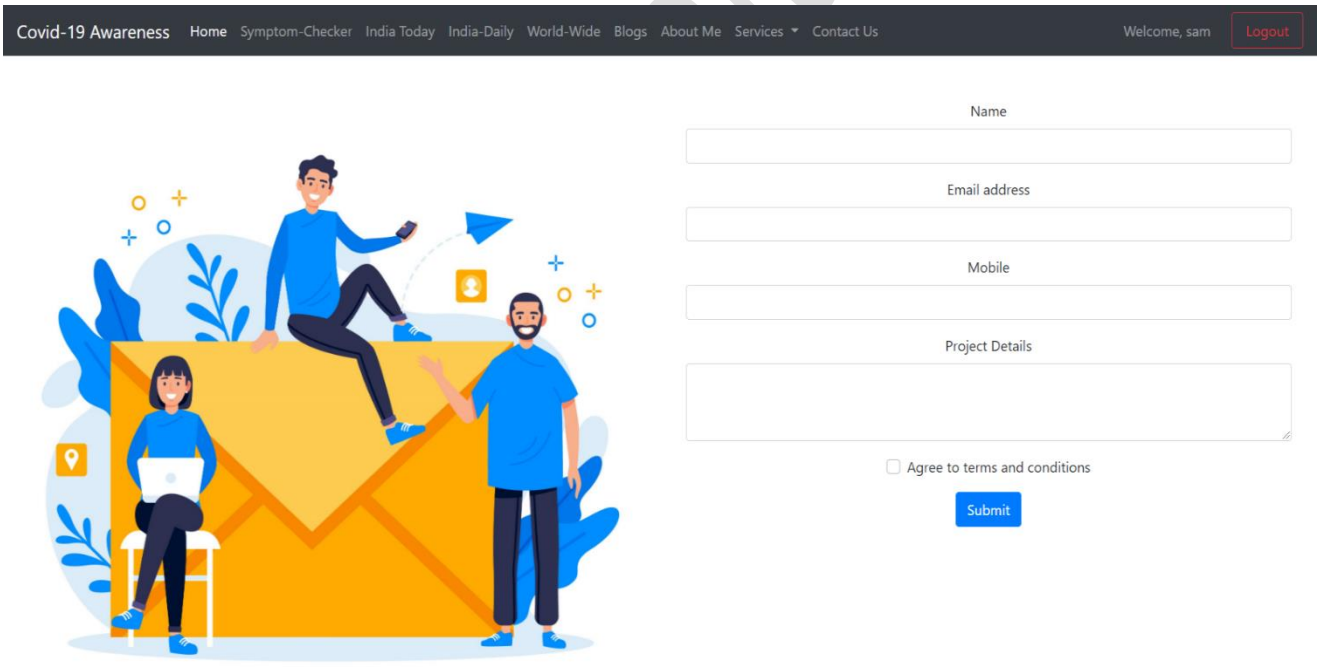
PUBLIC CONTRIBUTIONS
Full Name
Email address
Mobile
Amount
Project Details
Agree to terms and conditions
Pay Now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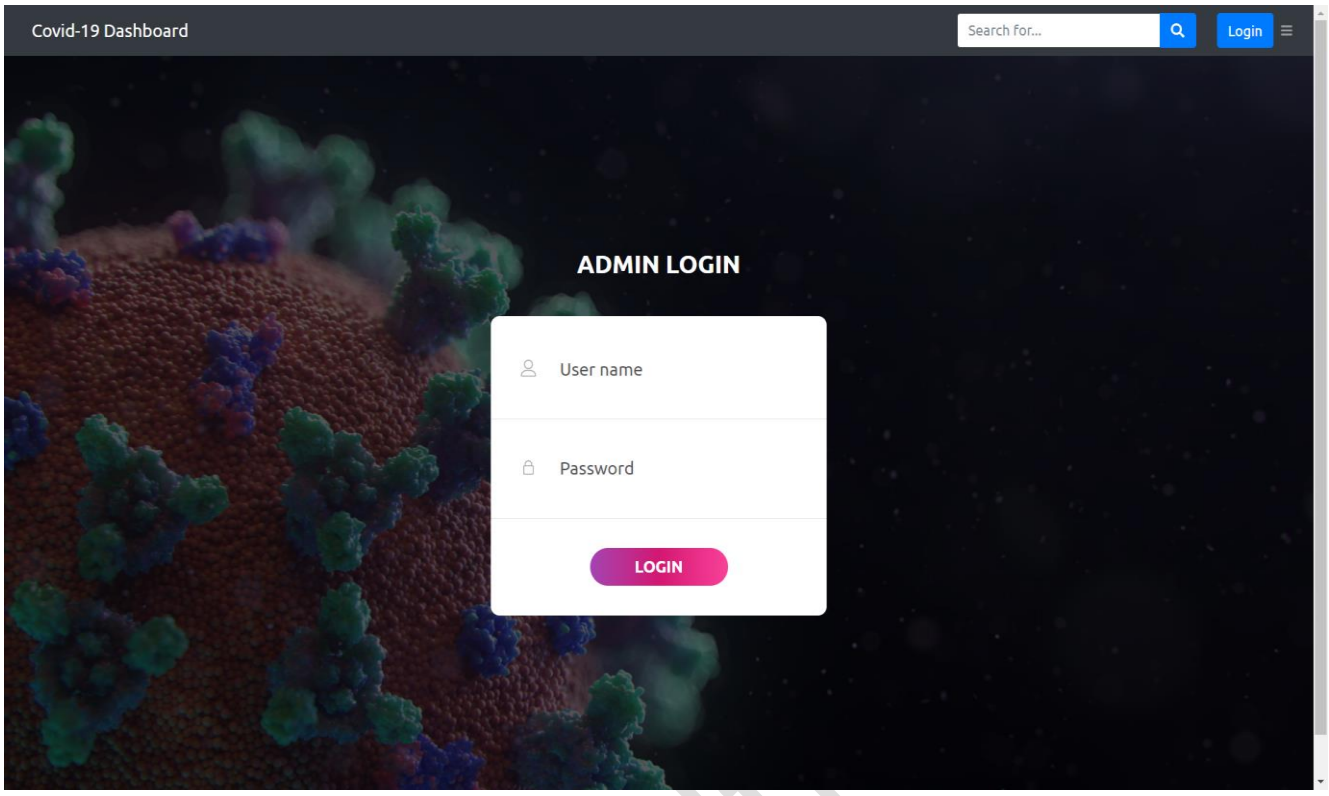
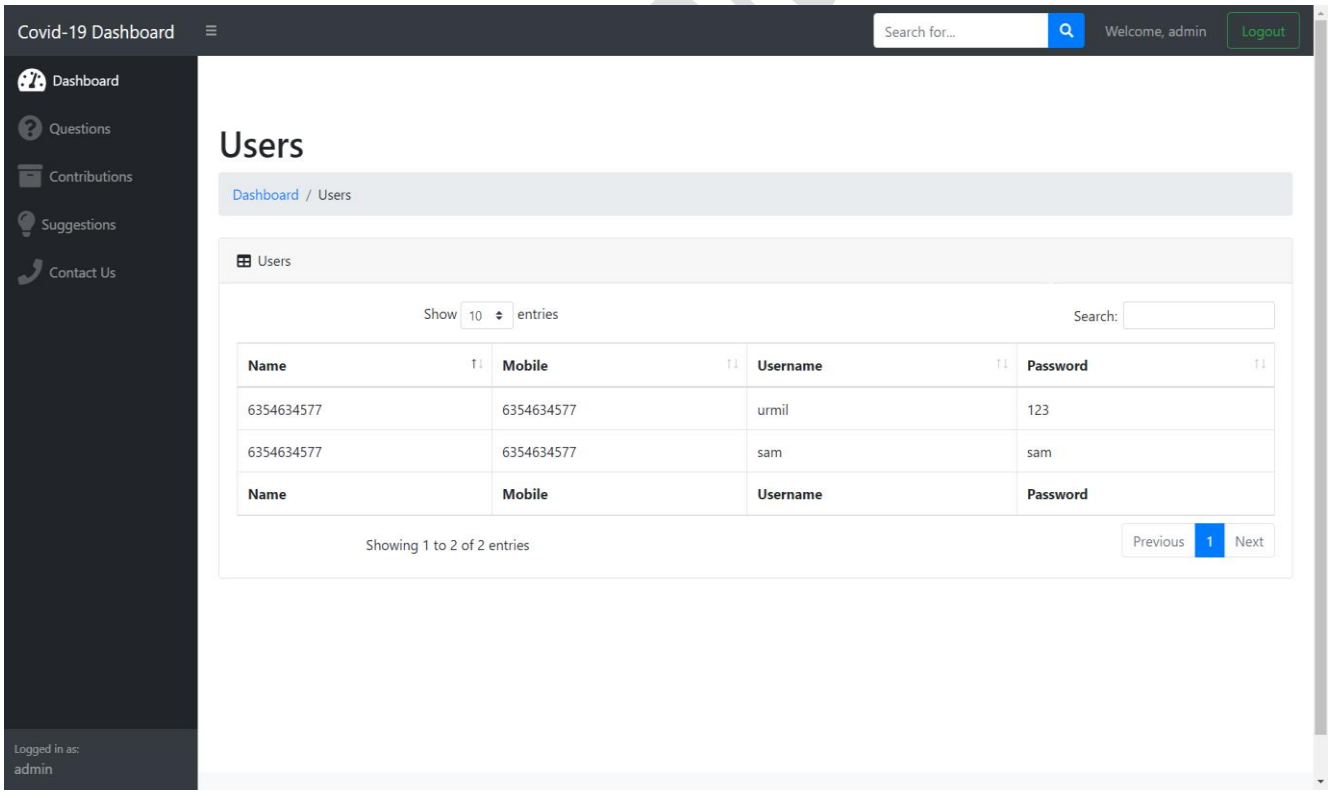
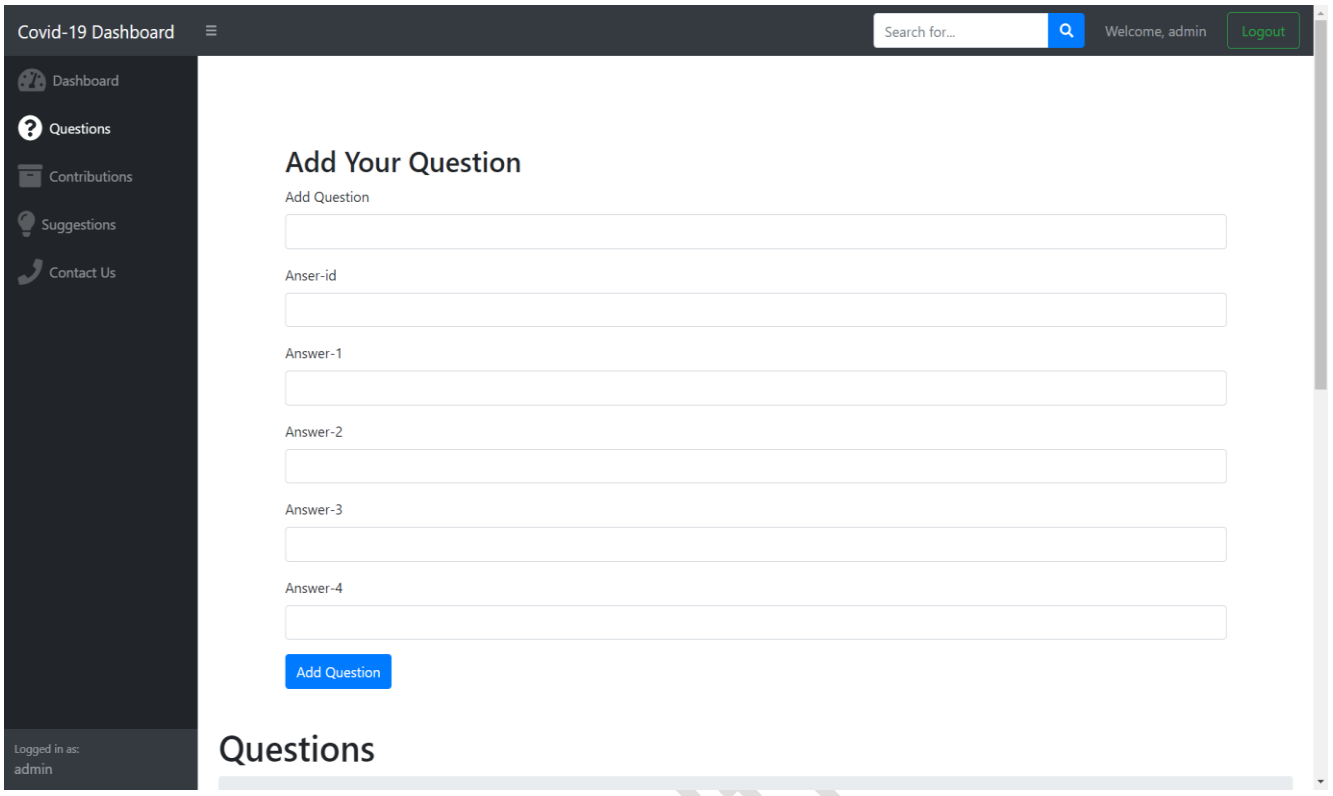
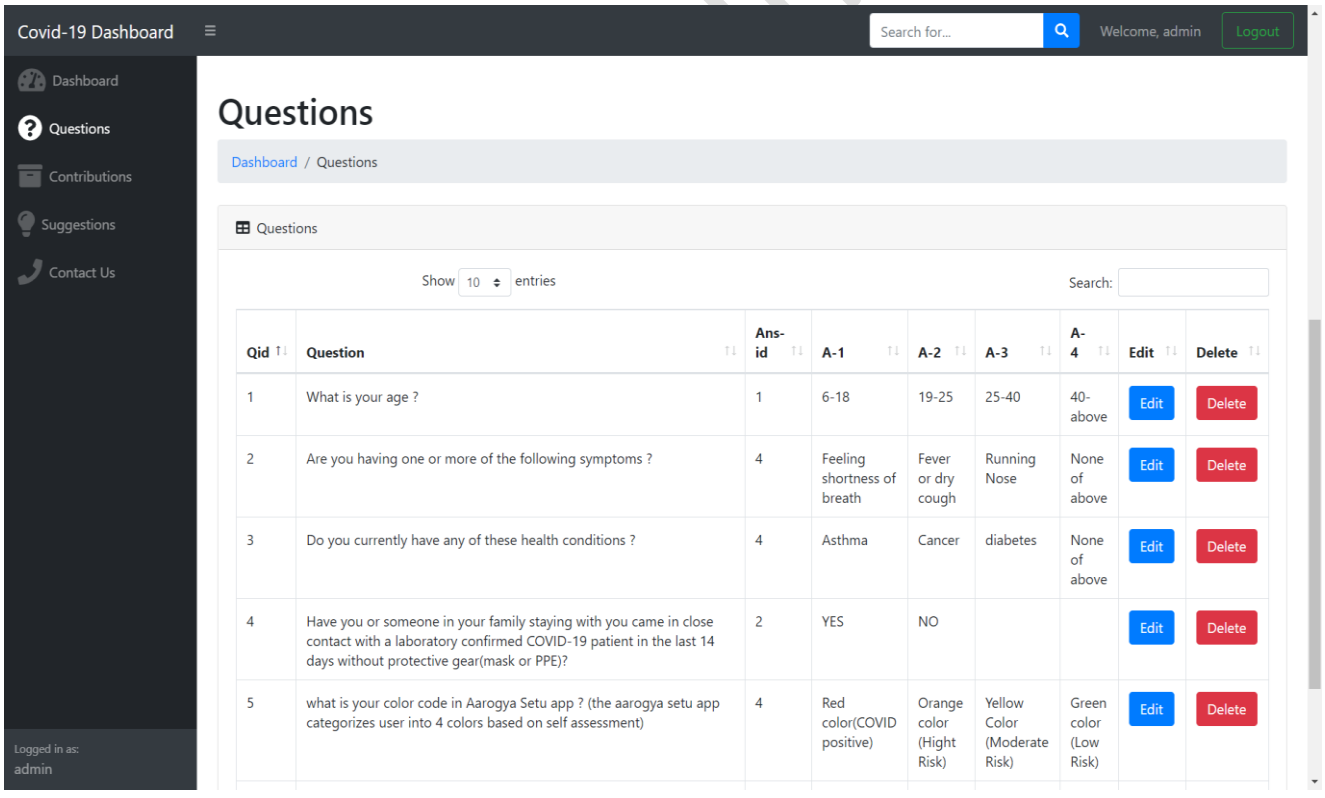
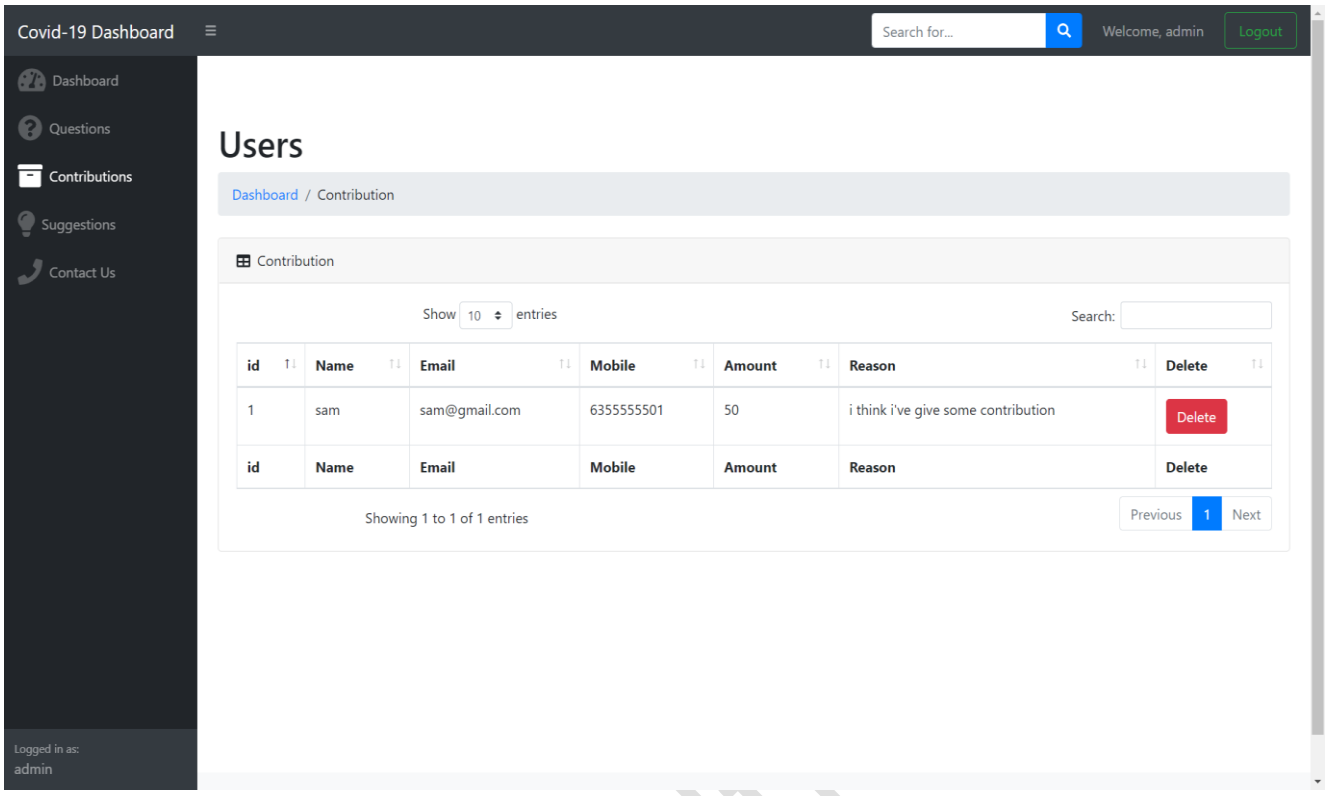
Mobile
Project Details
Agree to terms and conditions
Submit

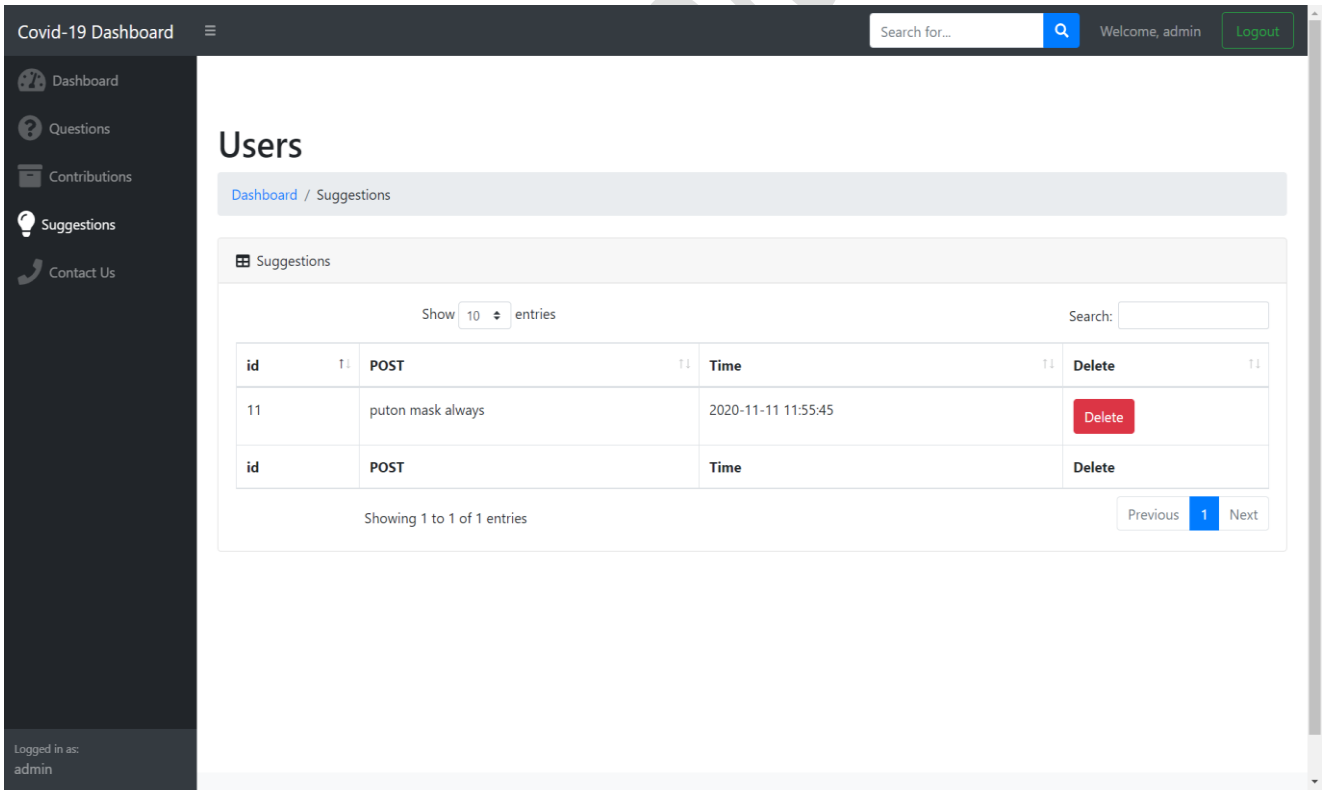

Covid-19 Dashboard
Search for...
Login
ADMIN LOGIN
User name
Password
LOGIN

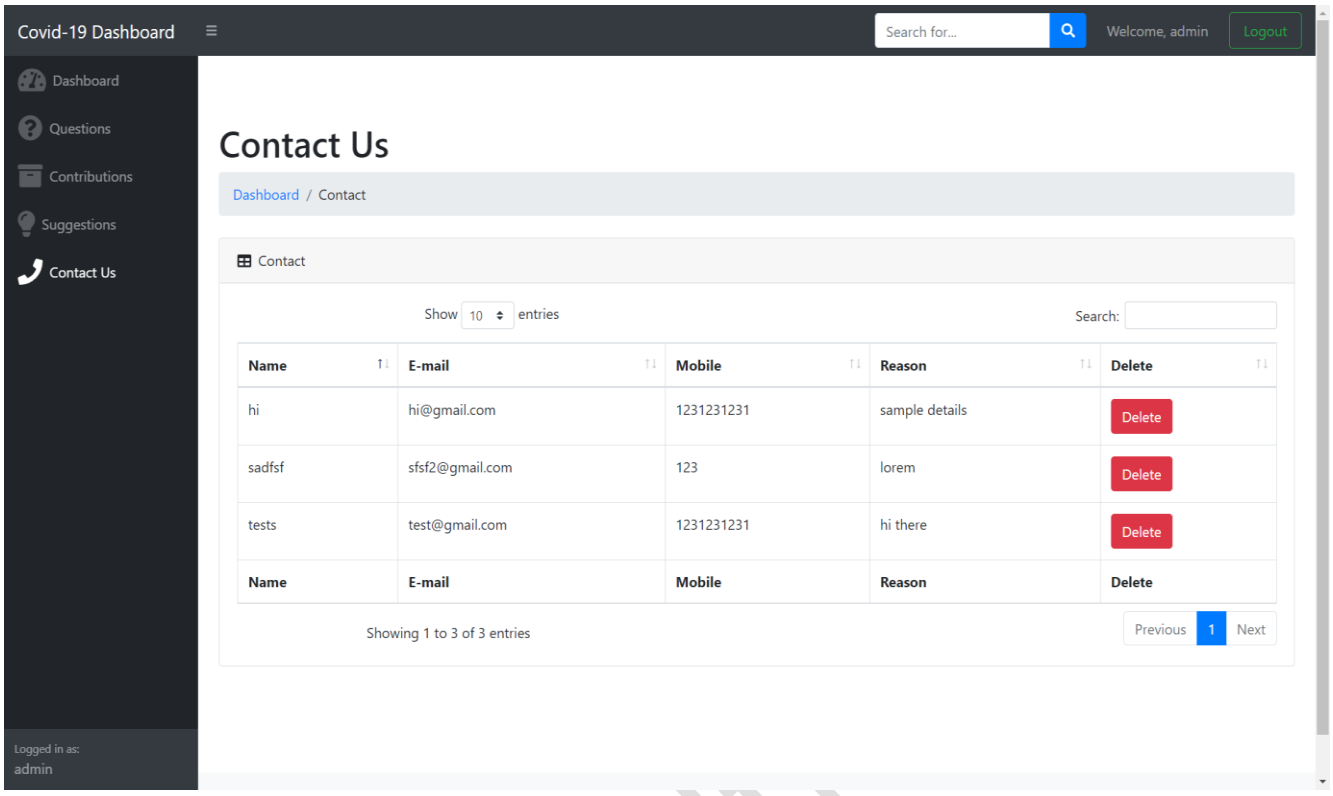

Covid-19 Dashboard
Search for...
Welcome, admin
Logout
Dashboard
Questions
Contributions
Suggestions
Contact Us
Logged in as:
admin
Users
Dashboard / Users
Users
Show 10 entries
Search:
Name
Mobile
Username
Password
6354634577
6354634577
urmil
123
6354634577
6354634577
sam
sam
Name
Mobile
Username
Password
Showing 1 to 2 of 2 entries
Previous
1
Next


Covid-19 Dashboard
Search for...
Welcome, admin
Logout
Dashboard
Questions
Contributions
Suggestions
Contact Us
Add Your Question
Add Question
Anser-id
Answer-1
Answer-2
Answer-3
Answer-4
Add Question
Logged in as:
admin
Questions


Covid-19 Dashboard
Search for...
Welcome, admin
Logout
Dashboard
Questions
Contributions
Suggestions
Contact Us
Questions
Dashboard / Questions
Questions
Show 10 entries
Search:
Qid
Question
Ans-id
A-1
A-2
A-3
A-4
Edit
Delete
1 What is your age ? 1 6-18 19-25 25-40 40-above Edit Delete
2 Are you having one or more of the following symptoms ? 4 Feeling shortness of breath Fever or dry cough Running Nose None of above Edit Delete
3 Do you currently have any of these health conditions ? 4 Asthma Cancer diabetes None of above Edit Delete
4 Have you or someone in your family staying with you came in close contact with a laboratory confirmed COVID-19 patient in the last 14 days without protective gear(mask or PPE)? 2 YES NO Edit Delete
5 what is your color code in Aarogya Setu app ? (the aarogya setu app categorizes user into 4 colors based on self assessment) 4 Red color(COVID positive) Orange color (Hight Risk) Yellow Color (Moderate Risk) Green color (Low Risk) Edit Delete
Logged in as:
admin


Covid-19 Dashboard
Search for...
Welcome, admin
Logout
Dashboard
Questions
Contributions
Suggestions
Contact Us
Users
Dashboard / Contribution
Contribution
Show 10 entries
Search:
id
Name
Email
Mobile
Amount
Reason
Delete
1
sam
sam@gmail.com
6355555501
50
i think i've give some contribution
Delete
Showing 1 to 1 of 1 entries
Previous
1
Next
Logged in as:
admin


Covid-19 Dashboard
Search for...
Welcome, admin
Logout
Dashboard
Questions
Contributions
Suggestions
Contact Us
Users
Dashboard / Suggestions
Suggestions
Show 10 entries
Search:
id
POST
Time
Delete
11
puton mask always
2020-11-11 11:55:45
Delete
Showing 1 to 1 of 1 entries
Previous
1
Next
Logged in as:
admin



Covid-19 Health

Future Scope

The future scope of this website can add more functionality like more use of open source API and use real world data.

Bibliography

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3. www.api.covid19india.org
4. www.github.com

Covid-19 Health Tracker