

Covid-19 Tracker

PROJECT REPORT for
CSE4028- Object Oriented Software Development

Submitted by

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To

DR. S. JUSTUS

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of the UGC Act, 1956)

June 2021

ACKNOWLEDGEMENT

We wish to express our sincere thanks and deep sense of gratitude to our project guide, **Prof. Justus S**, Associate Professor Senior, SCOPE for his consistent encouragement and valuable guidance offered to us in a pleasant manner throughout the course of the project work.

We are extremely grateful to **Dr. Jagadeesh Kannan R**, Dean of School of Electronics Engineering, VIT Chennai, for extending the facilities of the School towards our project and for his unstinting support.

We express our thanks to our Head of the Department **Prof. Justus S**, for his support throughout the course of this project.

We also take this opportunity to thank all the faculty of the School for their support and their wisdom imparted to us throughout the course.

We thank our parents, family, and friends for bearing with us throughout the course of our project and for the opportunity they provided us in undergoing this course in such a prestigious institution.



Arjun Arora

(19BCE1808)



Sam Methuselah

(19BCE1698)

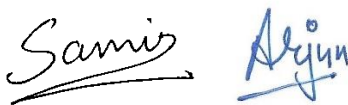
DECLARATION

We hereby declare that the project entitled “Honeypot Server” submitted by 19BCE1698-Sam Methuselah and 19BCE1808-Arjun Arora, for the project component of the Object Oriented Software Development to VIT is a record of bonafide carried out by us under the supervision of **Prof. Justus S**, Associate Professor Senior, SCOPE, Vellore Institute of Technology, Chennai.

We further declare that the project report submitted has not been submitted and will not be submitted, either in a part or full for the award of any other degree or diploma in this institute or any other Institute or University.

PLACE: CHENNAI

SIGNATURE:

The block contains two handwritten signatures in blue ink. The first signature, on the left, is 'Samir' written in a cursive style. The second signature, on the right, is 'Arjun' also written in a cursive style.

DATE: 09 June, 2021

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ABSTRACT

While the COVID-19 outbreak was reported to first originate from Wuhan, China, it has been declared as a Public Health Emergency of International Concern (PHEIC) on 30 January 2020 by WHO, and it has spread to over 180 countries. As the disease spreads around the globe, it has evolved into a worldwide pandemic, endangering the state of global public health and becoming a serious threat to the global community.

To combat and prevent the spread of the disease, all individuals should be well-informed of the rapidly changing state of COVID-19. In the endeavour of accomplishing this objective, a COVID-19 real-time analytical tracker should be built to provide the latest status of the disease and relevant analytical insights.

INTRODUCTION

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness.

The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus, the disease it causes and how it spreads. This is where our project steps in and helps the people be aware of the daily cases and a ‘Symptom Checker’ which generates a score based on the questionnaire and tell if the person has risk of having COVID-19 It is essential to keep track of them. When the pandemic is over, such extraordinary measures must be put to an end and held to account.

REQUIREMENTS-

	Scrum-1
	User Management

R-ID	Requirement Questions	Answers	Type of Requirement
1.1	What all are asked for signup?	Name, Mobile No. Username, Password	Functional
1.2	Will the credentials be encrypted?	Yes	Non-Functional
1.3	Where will the form details be stored?	Data will be stored in the SQL database	Functional
1.4	What if client forgets his/her credentials?	User will be given a reset password link	Non-Functional
1.5	Who can use the feature signup/login?	Admin and User/Client	Functional

	Scrum-2
	Website Management

R-ID	Requirement Questions	Answers	Type of Requirement
2.1	Does the system has proper user interface (UI)?	Development of UI	Functional
2.2	What is the complexity of webpages?	User-friendly	Functional
2.3	Will the webpages work on different systems?	Yes	Non-Functional
2.4	Is the website secure?	Yes	Non-Functional
2.5	How long will it take to develop the website?	4 months if things go as planned	Non-Functional

	Scrum-3
	Blog Management

R-ID	Requirement Questions	Answers	Type of Requirement
3.1	What does this feature need to do?	Give User blogs on COVID-19	Functional
3.2	Which blogs are selected for the website?	Blogs related to COVID-19 causes/effect/damage etc	Non-Functional
3.3	How can a user access them?	A simple click will lead the user to the Blogs page	Functional
3.4	What must happen before?	User must be registered to access this feature	Functional
3.5	What is the end result of doing this?	User is enriched with some knowledge of COVID-19	Non-Functional

	Scrum-4
	Database Management

R-ID	Requirement Questions	Answers	Type of Requirement
4.1	Which Database will be used?	MySQL Server	Non-Functional
4.2	Is the database secure?	Yes	Non-Functional
4.3	Which language will be used?	SQL, PHP	Non-Functional

	Scrum-5
	Live updates

R-ID	Requirement Questions	Answers	Type of Requirement
5.1	What does this feature need to do?	Displays COVID-19 Stats categorized as Country-wise, State-Wise and India only	Functional
5.2	What is the end result of doing this?	User is kept up-to-date with the pandemic.	Non-Functional
5.3	What needs to happen next?	Stats gets updated daily	Functional
5.4	What must happen before?	User must be registered to access this	Functional

	Scrum-6
	Symptom Checker

R-ID	Requirement Questions	Answers	Type of Requirement
6.1	What does this feature need to do?	Gives Score based on a Questionnaire	Functional
6.2	What is the end result of doing this?	User gets to know if he/she has any symptoms/risk of being COVID-19 Positive	Non-Functional
6.3	What needs to happen next?	If score is high, User is provided with a set of instructions/prevention measures	Functional
6.4	What must happen before?	User must be registered to access this	Functional

	Scrum-7
	Contributions

R-ID	Requirement Questions	Answers	Type of Requirement
7.1	What does this feature need to do?	Give User the option to contribute towards the cause	Functional
7.2	What is the end result of doing this?	Contributions towards COVID-19 patients	Non-Functional
7.3	What needs to happen next?	User will be given a confirmation message	Non-Functional
7.4	What must happen before?	User must be registered to access this	Functional

SOFTWARE REQUIREMENTS-

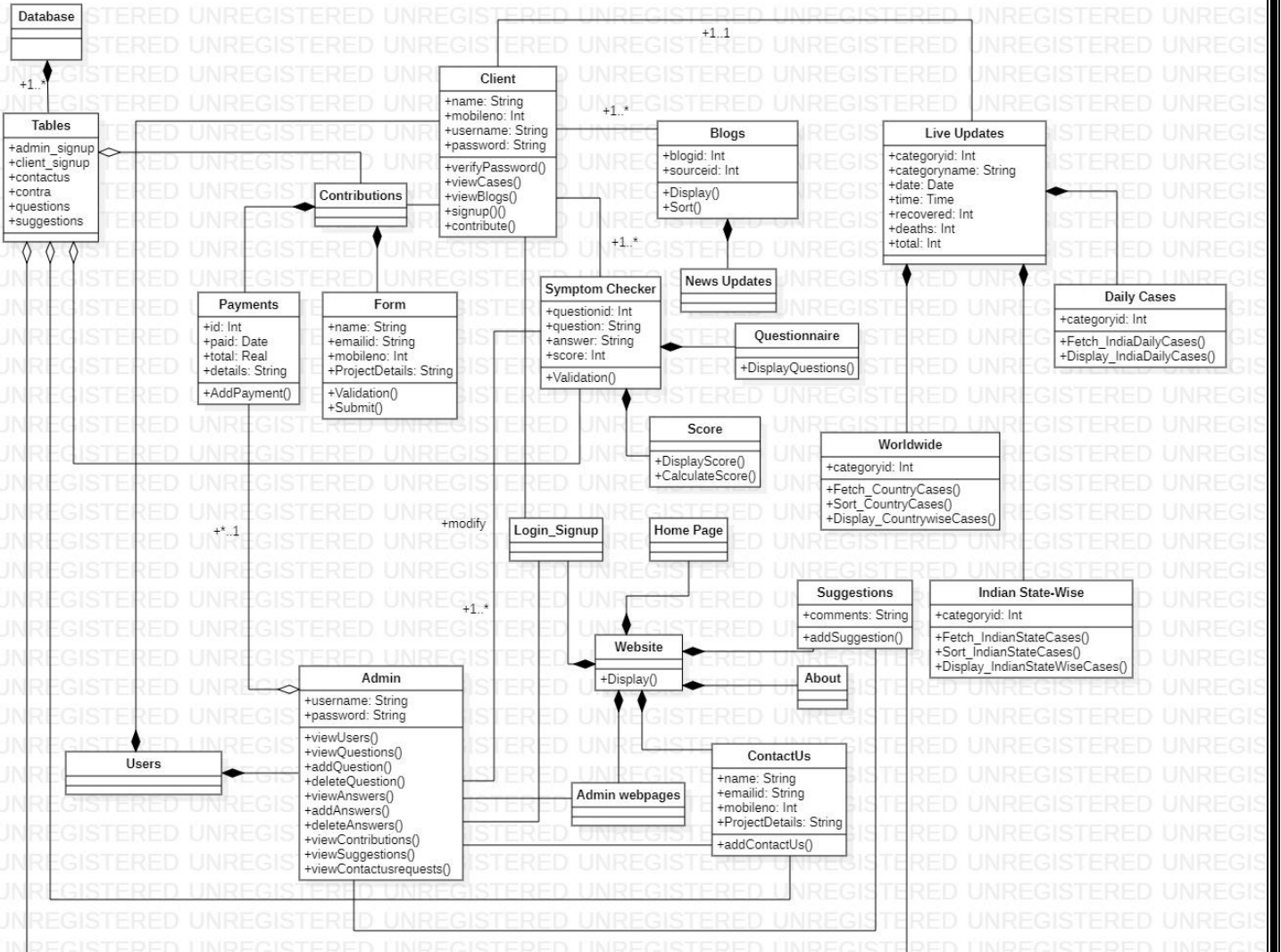
- XAMPP/WAMP Server
- Sublime Text3
- Web Browser

SYSTEM/HARDWARE REQUIREMENTS-

- Ram: min 8GB
- Storage: 2GB and above
- Monitor: 1920*1080
- Processor: Intel or AMD 2GHz and above
- OS: Windows 7 or higher

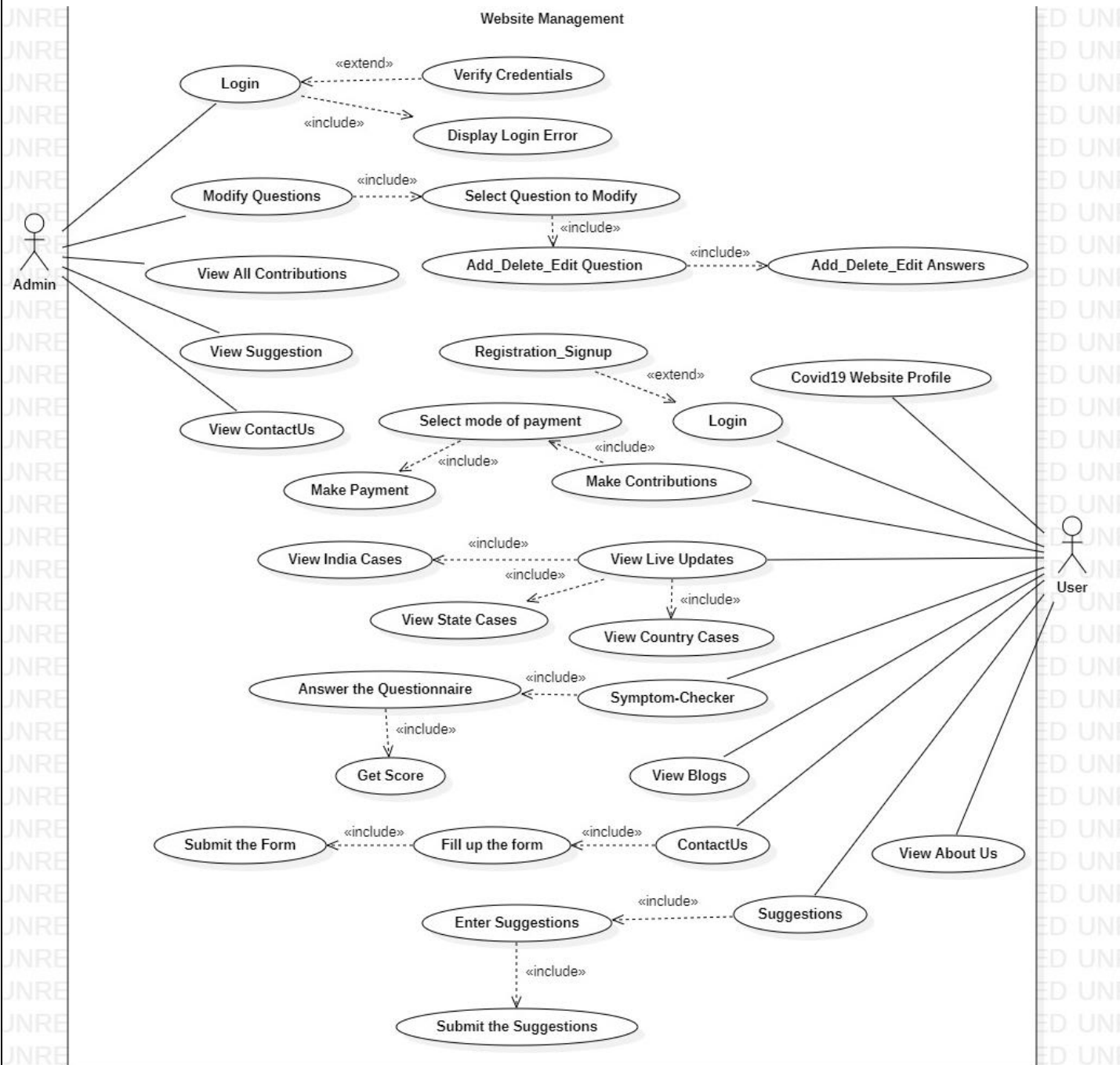
DESIGN DIAGRAMS

CLASS DIAGRAM-



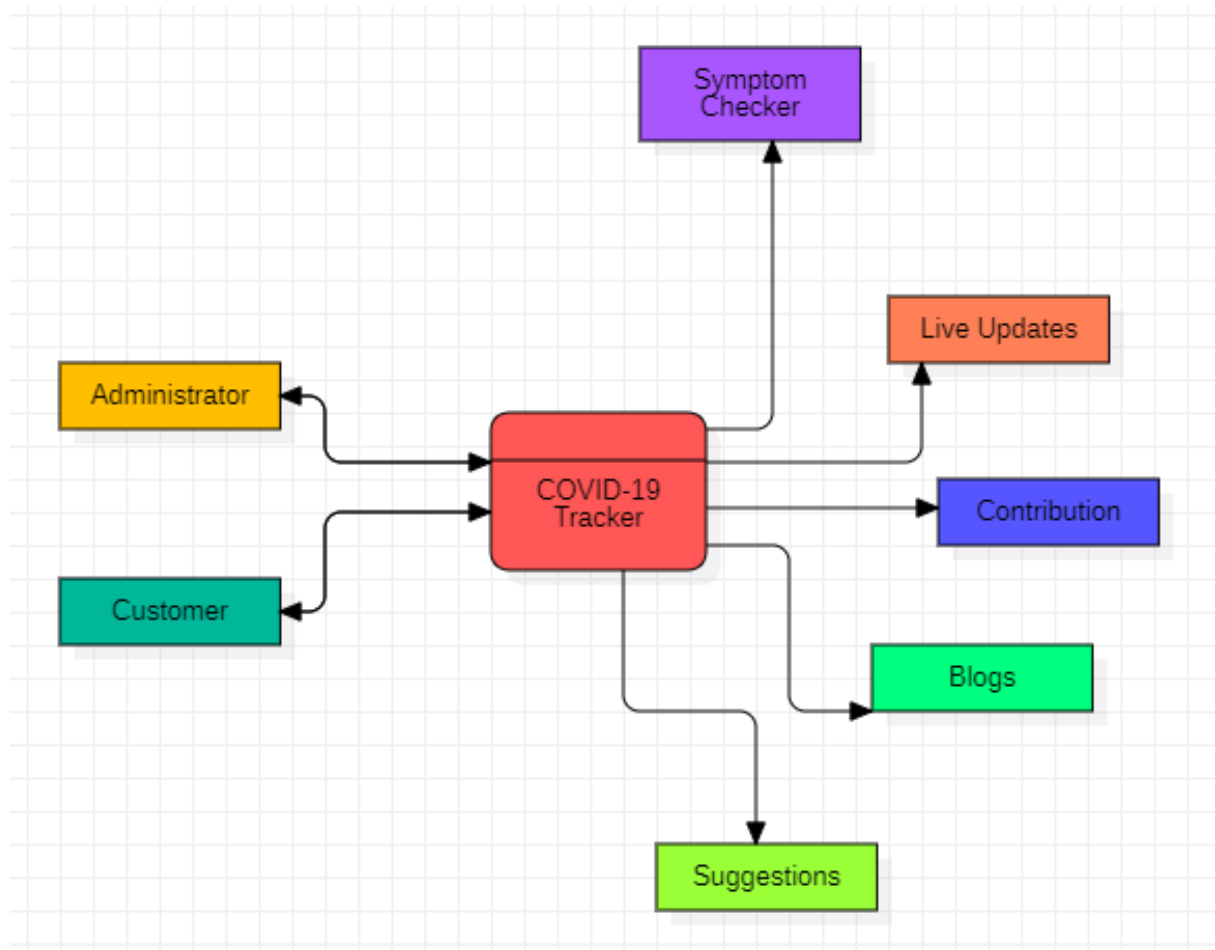
P.T.O.->

USE-CASE DIAGRAM-



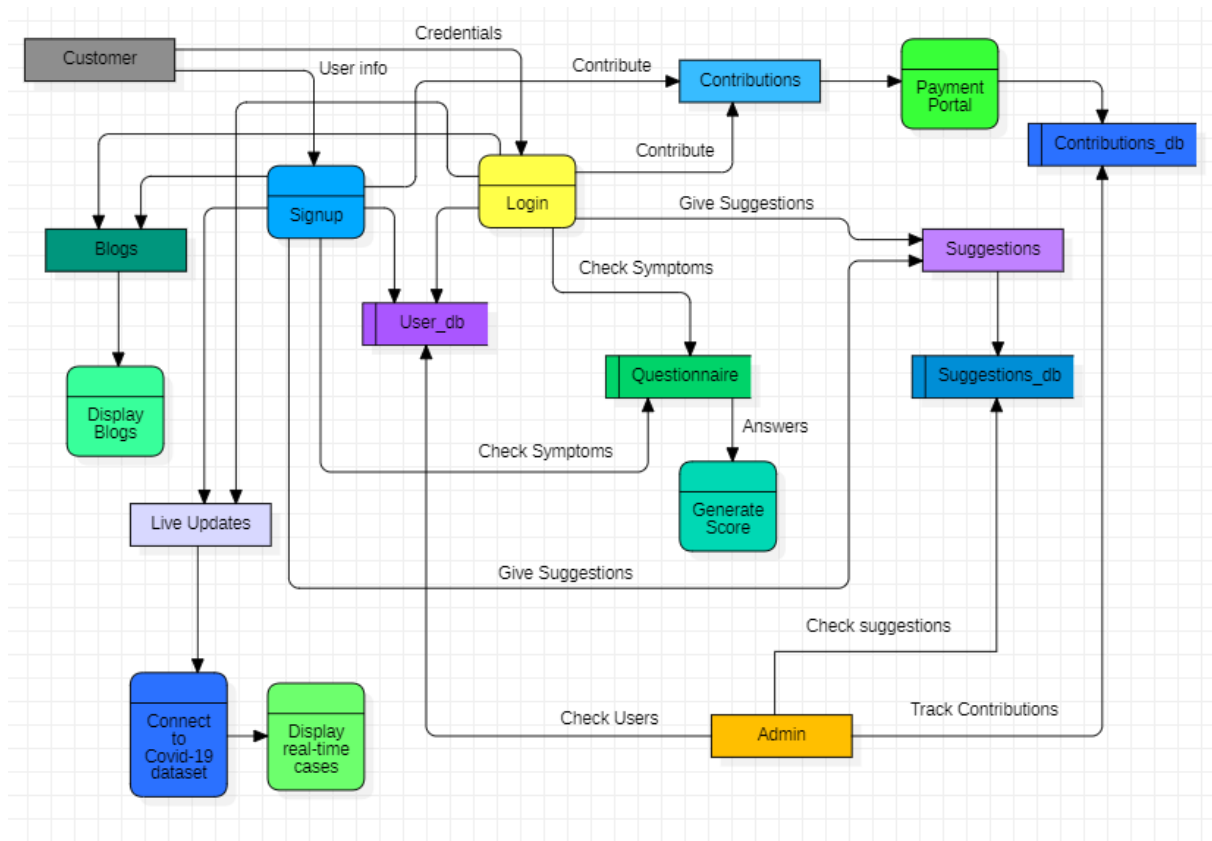
P.T.O.->

CONTEXT FREE DIAGRAM-

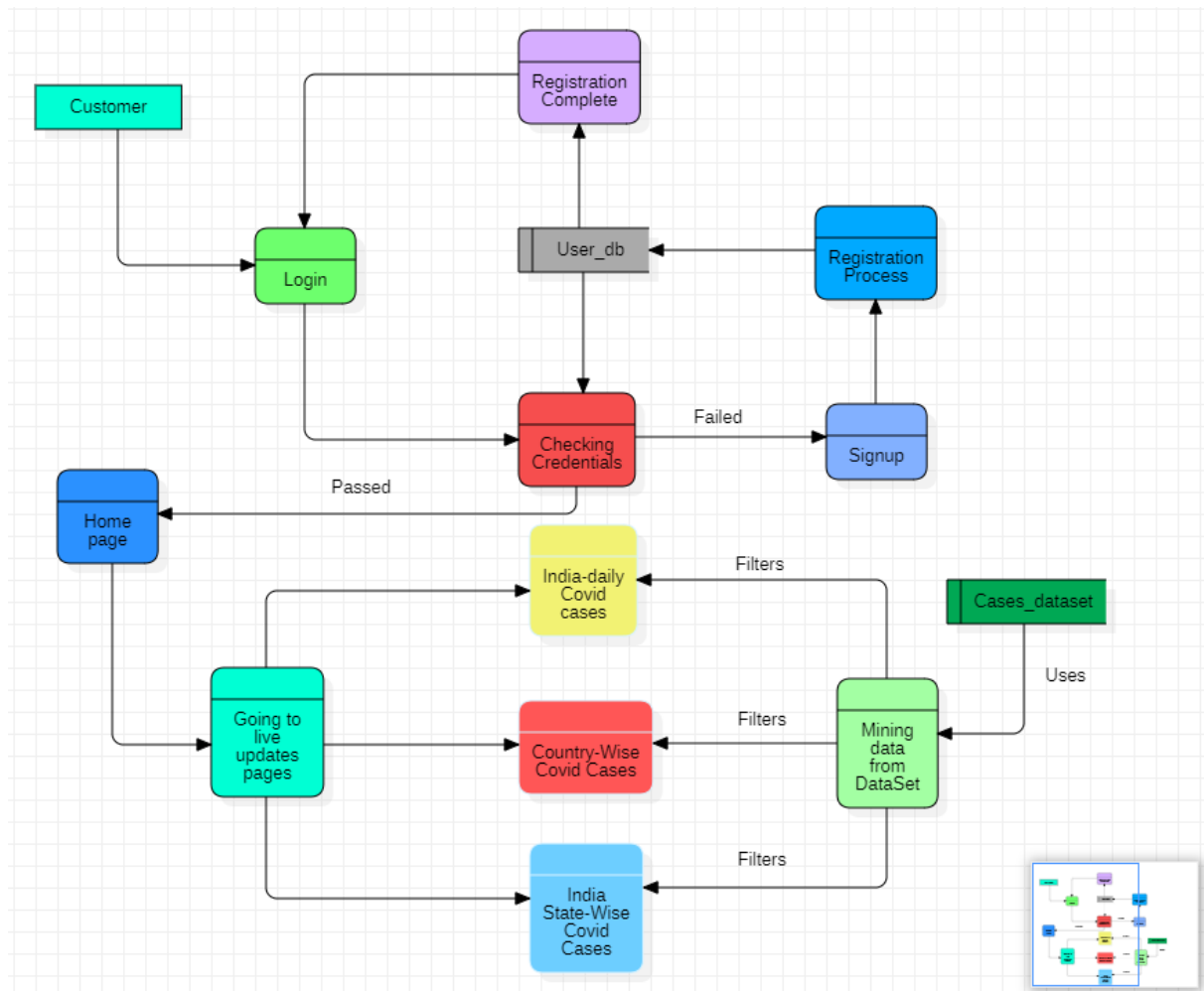


P.T.O.->

DFD-LEVEL-1



P.T.O.->

DFD-LEVEL-2

CODING-

index.php-

```

<?php include "config.php"; ?>

<?php
if (!isset($_SESSION['username'])) {
    header('location:signup.php');
} else {
    ?>

    <?php include "header.php"; ?>

    <link rel="stylesheet" href="css/jquery-ui.css">

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

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

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


    <div class="hero-v1">

        <div class="container">

            <div class="row align-items-center">

                <div class="col-lg-6 mr-auto text-center text-lg-left">

                    <span class="d-block subheading">Covid-19 Awareness</span>

                    <h1 class="heading mb-3">Stay Safe. Stay Home.</h1>

                    <p class="mb-5">Social distancing is the best medicine for Corona.</p>

                    <p class="mb-4"><a href="#bg-prevention" class="btn btn-primary">How to prevent</a></p>

                </div>

                <div class="col-lg-6">

                    <figure class="illustration">

                    </figure>

```



```
</div>

<div class="col-lg-6"></div>

</div>

</div>

</div>

<!--Tag line section-->

<!--tagline section end-->

<!-- About Section -->

<div id="bg-about" class="container-fluid text-white py-5">

  <div class="section-header text-center mb-5 mt-4">

    <h1 class="head-text">About Covid-19(Corona Virus)</h1>

  </div>

  <div class="row pt-4">

    <div class="col-lg-6 col-md-6 col-12">

    </div>

    <div class="col-lg-6 col-md-6 col-12">

      <h2 class="text-center col-my-2"><strong>What is Covid-19 ?</strong></h2>

      <h5 class="my-2">Covid-19 is the infectious disease caused by the most recently discovered
coronavirus.

      </h5>

      <br>

      <h5>This new virus and disease were unknown before the outbreak began in Wuhan,China,in
December

      2019.</h5>

      <br>
```

<h5>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.</h5>

</div>

</div>

</div>

<!-- About Section End -->

<!-- Symptoms Section-->

<div id="bg-symptoms" class="container-fluid py-5" id="symptomsid">

<div class="section_header text-center mb-5">

<h1 class="head-text text-white">Coronavirus symptoms</h1>

</div>

<div class="container text-white">

<div class="row">

<div class="col-lg-4 col-md-4 col-12 mt-5">

<figure class="text-center">

<figcaption>Cough</figcaption>

</figure>

</div>

<div class="col-lg-4 col-md-4 col-12 mt-5">

<figure class="text-center">

<figcaption>Runny Nose</figcaption>

</figure>

</div>

```
<div class="col-lg-4 col-md-4 col-12 mt-5">
```

```
<figure class="text-center">
```

```

```

```
<figcaption>Fever</figcaption>
```

```
</figure>
```

```
</div>
```

```
<div class="col-lg-4 col-md-4 col-12 mt-5">
```

```
<figure class="text-center">
```

```

```

```
<figcaption>Cold</figcaption>
```

```
</figure>
```

```
</div>
```

```
<div class="col-lg-4 col-md-4 col-12 mt-5">
```

```
<figure class="text-center">
```

```

```

```
<figcaption>Tiredness</figcaption>
```

```
</figure>
```

```
</div>
```

```
<div class="col-lg-4 col-md-4 col-12 mt-5">
```

```
<figure class="text-center">
```

```

```

```
<figcaption>difficulty breathing (severe cases)</figcaption>
```

```
</figure>
```

```
</div>
```

```

    </div>

</div>

</div>

<!-- Symptoms Section End -->

<!-- Prevention Section -->

<div id="bg-prevention" class="container-fluid sub_section py-5">

    <div class="section_header text-center mb-5">

        <h1 class="head-text text-white">6 Step Prevention Against CoronaVirus</h1>

    </div>

    <div class="container text-white">

        <div class="row">

            <div class="col-lg-4 col-md-4 col-12 mt-5">

                <div class="row">

                    <div class="col-lg-4 col-md-4 col-12">

                        <figure class="text-center">

                        </figure>

                    </div>

                    <div class="col-lg-8 col-md-8 col-12">

                        <p>Wash your hands regularly for 20 seconds,with soap and water or alcohol-based hand
rub.</p>

                    </div>

                </div>

            </div>

            <div class="col-lg-4 col-md-4 col-12 mt-5">

```

```

<div class="row">

  <div class="col-lg-4 col-md-4 col-12">

    <figure class="text-center">

    </figure>

  </div>

  <div class="col-lg-8 col-md-8 col-12">

    <p>Cover your nose and mouth with a disposable tissue or flexed elbow when you Cough or
sneeze.</p>

  </div>

</div>

<div class="col-lg-4 col-md-4 col-12 mt-5">

  <div class="row">

    <div class="col-lg-4 col-md-4 col-12">

      <figure class="text-center">

      </figure>

    </div>

    <div class="col-lg-8 col-md-8 col-12">

      <p>Avoid close contact(1 meter or 3 feet) with people who are unwell.</p>

    </div>

  </div>

</div>

<div class="col-lg-4 col-md-4 col-12 mt-5">

  <div class="row">

```

```
<div class="col-lg-4 col-md-4 col-12">

  <figure class="text-center">

  </figure>

</div>

<div class="col-lg-8 col-md-8 col-12">

  <p>Stay home and self-isolate from others in the household if you feel unwell.</p>

</div>

</div>

</div>

<div class="col-lg-4 col-md-4 col-12 mt-5">

  <div class="row">

    <div class="col-lg-4 col-md-4 col-12">

      <figure class="text-center">

      </figure>

    </div>

    <div class="col-lg-8 col-md-8 col-12">

      <p>Stay information by watching news & follow the recommended practices.</p>

    </div>

  </div>

</div>

<div class="col-lg-4 col-md-4 col-12 mt-5">

  <div class="row">

    <div class="col-lg-4 col-md-4 col-12">

      <figure class="text-center">
```

```


</figure>

</div>

<div class="col-lg-8 col-md-8 col-12">

    <p>If you've fever,cough,and difficulty breathing,seek medical care early.</p>

</div>

</div>

</div>

</div>

</div>

<!-- Prevention Section End-->

</div>

<?php
}
?>

<?php include "footer.php"; ?>
```

login.php-

```
<?php include "config.php"; ?>

<?php

if (isset($_POST['ilogin'])) {

    $username = $_POST['username'];

    $password = $_POST['password'];

    $username = mysqli_real_escape_string($conn, $username);

    $password = mysqli_real_escape_string($conn, $password);
```

```

if ($username == "" || $password == "") {

    $_SESSION['error'] = "Please Your Username & Password";

    header('location:login.php');

    exit;

} else {

    $query = "SELECT * FROM `client_signup` WHERE `username` ='$username' && `password` =
'$password'";

    $result = mysqli_query($conn, $query);

    if ($row = mysqli_fetch_assoc($result)) {

        $_SESSION["username"] = $row["username"];

        $_SESSION['success'] = "login Successfully Done";

        header('location:index.php');

        exit;

    } else {

        $_SESSION['error'] = "Please Enter valid Username or Password";

        header('location:login.php');

        exit;

    }

}

?>

<?php include "header.php"; ?>

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

<div class="row">

    <div class="col-lg-6">

    </div>

    <div class="col-lg-6">

```



```
<!-- Login Form -->

<form class="box" action="login.php" method="post">

    <h1>Login</h1>

    <input type="text" name="username" placeholder="Username" require>

    <input type="password" name="password" placeholder="Password" require>

    <input type="submit" name="login" value="Login">

    <p class="alt-txt">New User ? Go to <a id="alt-txt" href="signup.php">SignUp</a></p>

</form>

</div>

</div>

<?php include "../footer.php"; ?>
```

dailycases.php-

```
<?php include "config.php"; ?>

<?php
if(!isset($_SESSION['username']))
{
    header('location:signup.php');
}
?>

<?php include "header.php"; ?>

<section class="corona_update container-fluid">

    <div class="my-3">

        <h3 class="text-uppercase text-center head-text">Covid-19 Live Daily Updates India</h3>

    </div>

    <div class="table-responsive">

        <table class="table text-center" id="tbl">
```

```

<?php

$data = file_get_contents("https://api.covid19india.org/data.json");

$coronadata = json_decode($data, true); // true parameter use for associated array

// echo "<pre>";

// print_r($dailyreport);

// echo "</pre>";

$totalcount=1;

// echo $coronadata['cases_time_series'][201]['date'];

$totalcount = count($coronadata['cases_time_series'])-$totalcount;

// echo $totalcount;

// exit;

$i = 0;

while ($totalcount >=$i) {

?>

<tr>

    <th class="text-left" colspan="6">Date & Month</th>

</tr>

<tr>

    <td colspan="6" class="text-left"><?php echo $coronadata['cases_time_series'][$totalcount]['date'] .

" <br>" ?></td>

</tr>

<tr class="text-capitalize text-white">

    <th style="color: #fff; background: #2196f3;">total Confirmed</th>

    <th style="color: #fff; background: #ffc107;">daily deceased</th>

    <th style="color: #fff; background: #008C76FF;">daily Confirmed</th>

    <th style="color: #fff; background: #e91e7f;">daily recovered</th>

    <th style="color: #fff; background: #4caf50;">total recovered</th>

    <th style="color: #fff; background: #EE2737FF;">total deceased</th>

```

```

</tr>

<tr>

<td style="background: #bed2f3;"><?php echo

$coronadata['cases_time_series'][$totalcount]['totalconfirmed'] . "<br>"; ?></td>

<td style="background: #ffe493;"><?php echo

$coronadata['cases_time_series'][$totalcount]['dailydeceased'] . "<br>"; ?></td>

<td style="background: #9ED9CCFF;"><?php echo

$coronadata['cases_time_series'][$totalcount]['dailyconfirmed'] . "<br>"; ?></td>

<td style="background: #fc95c6;"><?php echo

$coronadata['cases_time_series'][$totalcount]['dailyrecovered'] . "<br>"; ?></td>

<td style="background: #88d28b;"><?php echo

$coronadata['cases_time_series'][$totalcount]['totalrecovered'] . "<br>"; ?></td>

<td style="background: #fb99a1;"><?php echo

$coronadata['cases_time_series'][$totalcount]['totaldeceased'] . "<br>"; ?></td>

</tr>

<?php

$totalcount--;

// echo $dailyreport['cases_time_series'][$i]['dailyconfirmed'];

// echo $dailyreport['cases_time_series'][$i]['dailydeceased'];

// echo $dailyreport['cases_time_series'][$i]['dailyrecovered'];

// echo $dailyreport['cases_time_series'][$i]['date'];

// echo $dailyreport['cases_time_series'][$i]['totalconfirmed'];

// echo $dailyreport['cases_time_series'][$i]['totaldeceased'];

// echo $dailyreport['cases_time_series'][$i]['totalrecovered']. "<br>";

}

?>

</table>

```

```
</div>
```

```
</section>
```

```
<?php include "footer.php"; ?>
```

worldwidecases.php-

```
<?php include "config.php"; ?>
```

```
<?php
```

```
if(!isset($_SESSION['username']))
```

```
{
```

```
    header('location:signup.php');
```

```
}
```

```
?>
```

```
<?php include "header.php"; ?>
```

```
<?php
```

```
// Main Logic
```

```
// Retrieving Json Data
```

```
$jsonData = file_get_contents("https://pomber.github.io/covid19/timeseries.json");
```

```
$data = json_decode($jsonData, true);
```

```
// Counting the number of days in the Json File
```

```
foreach($data as $key => $value){
```

```
    $days_count = count($value)-1;
```

```
    $days_count_prev = $days_count - 1;
```

```
}
```

```
$total_confirmed = 0;
```

```
$total_recovered = 0;
```

```
$total_deaths = 0;
```

```
// Total Cases Calculation
```

```
foreach($data as $key => $value){
```

```
    $total_confirmed = $total_confirmed + $value[$days_count]['confirmed'];
```

```
    $total_recovered = $total_recovered + $value[$days_count]['recovered'];
```

```
    $total_deaths = $total_deaths + $value[$days_count]['deaths'];
```

```
}
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

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

```
<!-- Bootstrap CSS -->
```

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
```

```
<!-- Bootstrap JS -->
```

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

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

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

```
<!-- Font Awesome -->
```

```
<script src="https://kit.fontawesome.com/996973c893.js" crossorigin="anonymous"></script>
```

```
<!-- Google Fonts -->
```

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

```
<!-- My Stylesheet -->
```

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

```
<title>Covid-19 Live Cases</title>
```

```
</head>
```

```
<body>
```

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

```
<h1 class="">Covid-19 Live Cases</h1>
```

```
<h5 class="text-muted">An opensource project to keep track of all the COVID-19 cases around the
world.</h5>
```

```
</div>
```

```
<div class="container my-5">
```

```
<div class="row text-center">
```

```
<div class="col-4 text-warning">
```

```
<h5>Confirmed</h5>
```

```
<?php echo $total_confirmed;?>
```

```
</div>
```

```
<div class="col-4 text-success">
```

```
<h5>Recovered</h5>
```

```
<?php echo $total_recovered;?>
```

```
</div>
```

```
<div class="col-4 text-danger">
```

```
<h5>Deceased</h5>
```

```
<?php echo $total_deaths;?>
```

```
</div>
```

```
</div>
```

```
</div>
```

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

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

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

```
</div>
```

```
<div class="container-fluid">
```

```
    <div class="table-responsive">
```

```
        <table class="table">
```

```
            <thead class="thead-dark">
```

```
                <tr>
```

```
                    <th scope="col">Countries</th>
```

```
                    <th scope="col">Confirmed</th>
```

```
                    <th scope="col">Recovered</th>
```

```
                    <th scope="col">Deceased</th>
```

```
                </tr>
```

```
            </thead>
```

```
            <tbody>
```

```
                <?php
```

```
                    foreach($data as $key => $value){
```

```
                        $increase = $value[$days_count]['confirmed'] - $value[$days_count_prev]['confirmed'];
```

```
                    ?>
```

```
                <tr>
```

```
                    <th scope="row"><?php echo $key?></th>
```

```
                    <td>
```

```
                        <?php echo $value[$days_count]['confirmed'];?>
```

```
                        <?php if($increase != 0){ ?>
```

```

        <small class="text-danger pl-3"><i class="fas fa-arrow-up"></i><?php echo
$increase;?></small>

        <?php } ?>

    </td>

    <td><?php echo $value[$days_count]['recovered'];?></td>

    <td><?php echo $value[$days_count]['deaths'];?></td>

</tr>

<?php } ?>

</tbody>

</table>

</div>

</div>

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

    <div class="container text-center">

        <span class="text-muted">Copyright &copy;2020, <a href="https://urmil8989.online"
target="_blank">Urmil Rupareliya</a></span>

    </div>

</footer>

</body>

</html>

<!-- Testing Section End -->

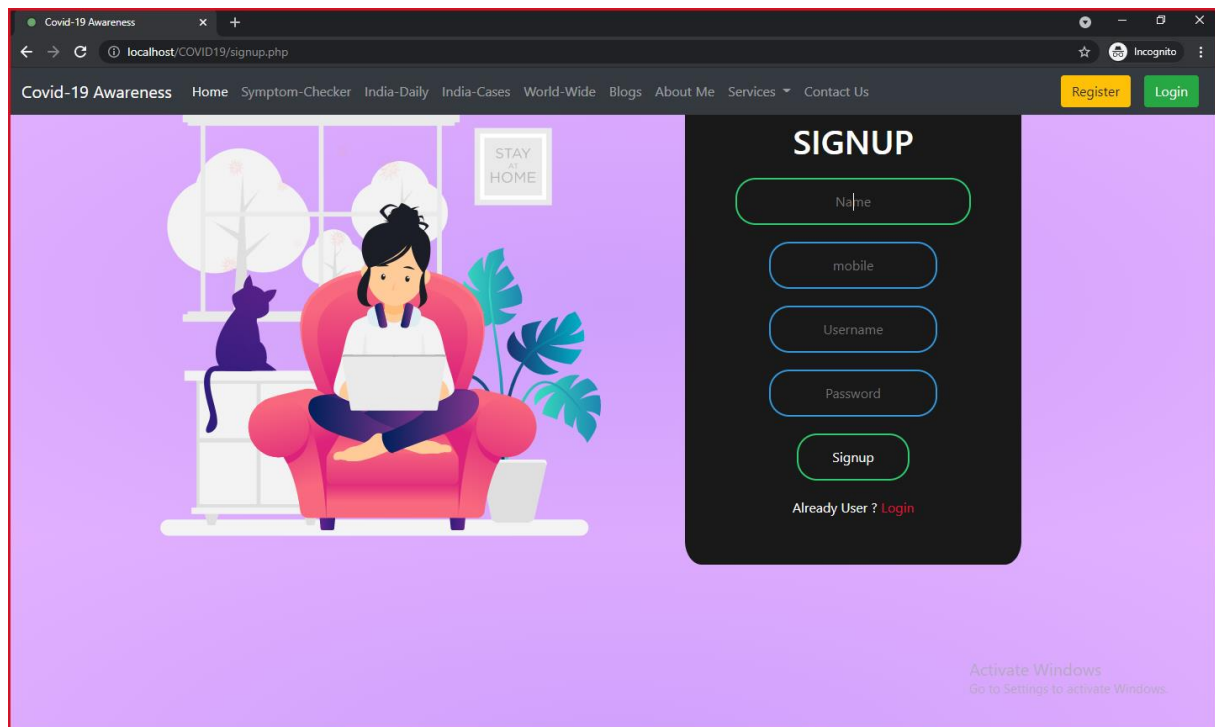
```

Full code at-

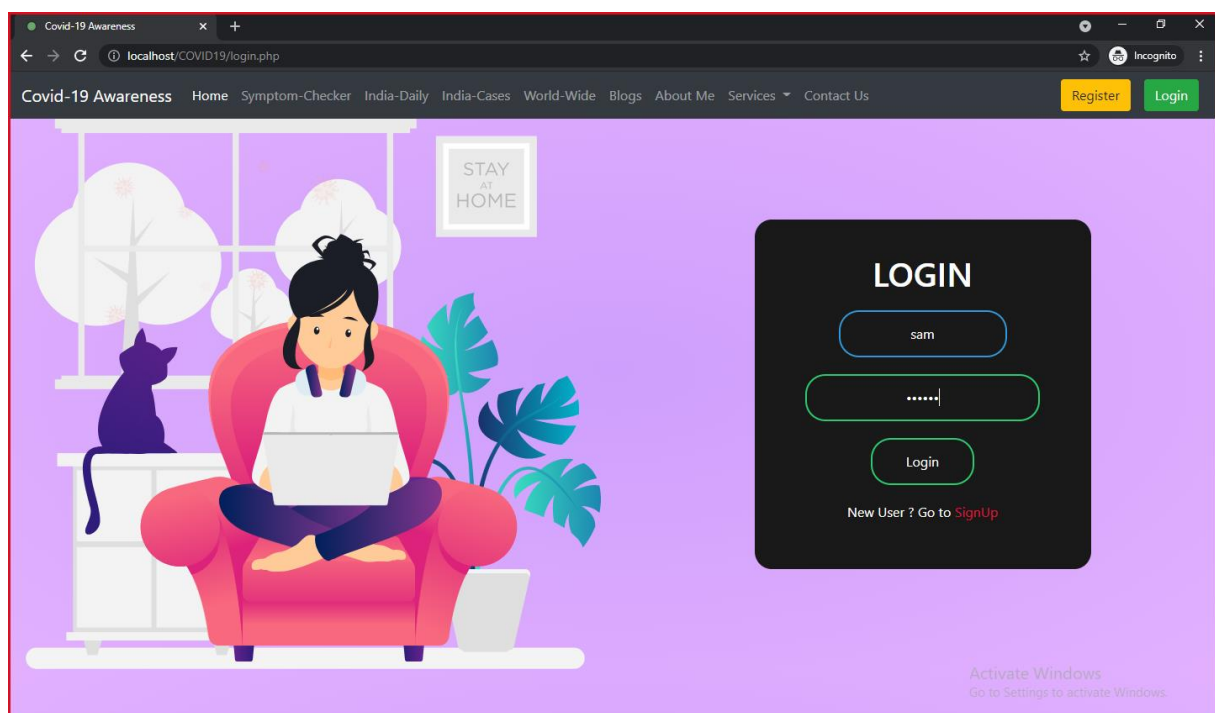
<https://github.com/Spartan037/covid19/tree/master>

SCREENSHOTS

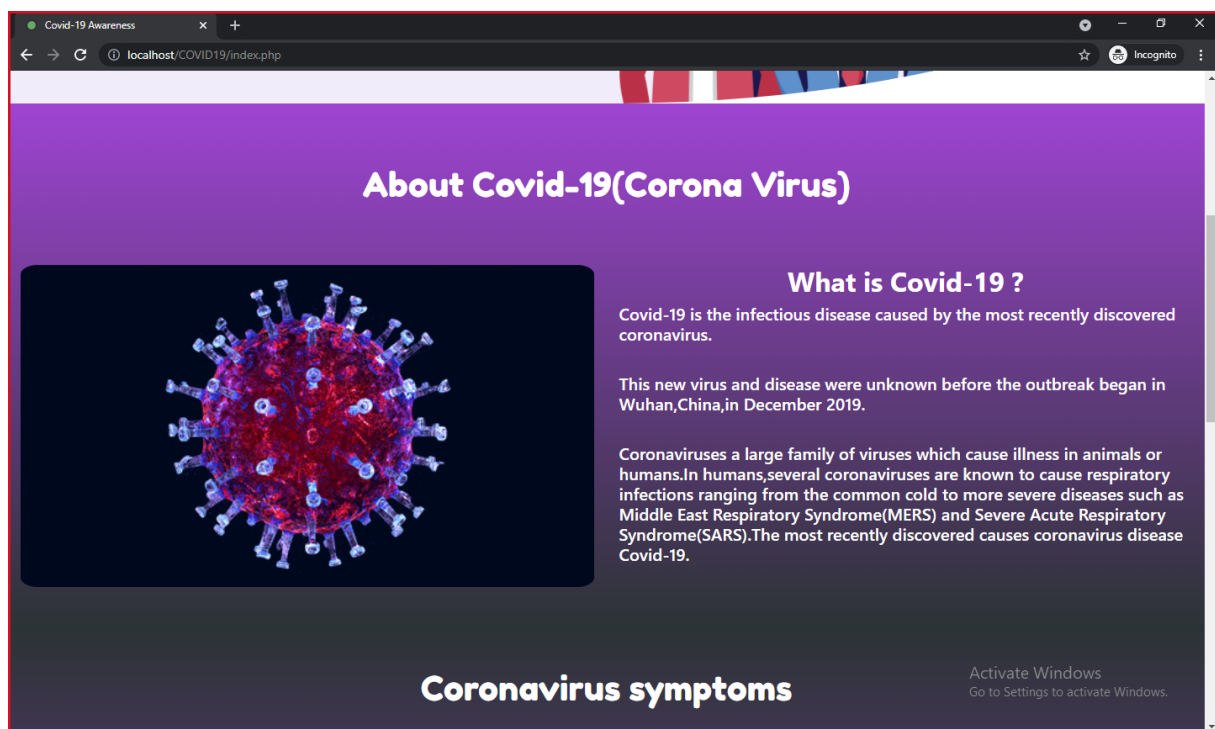
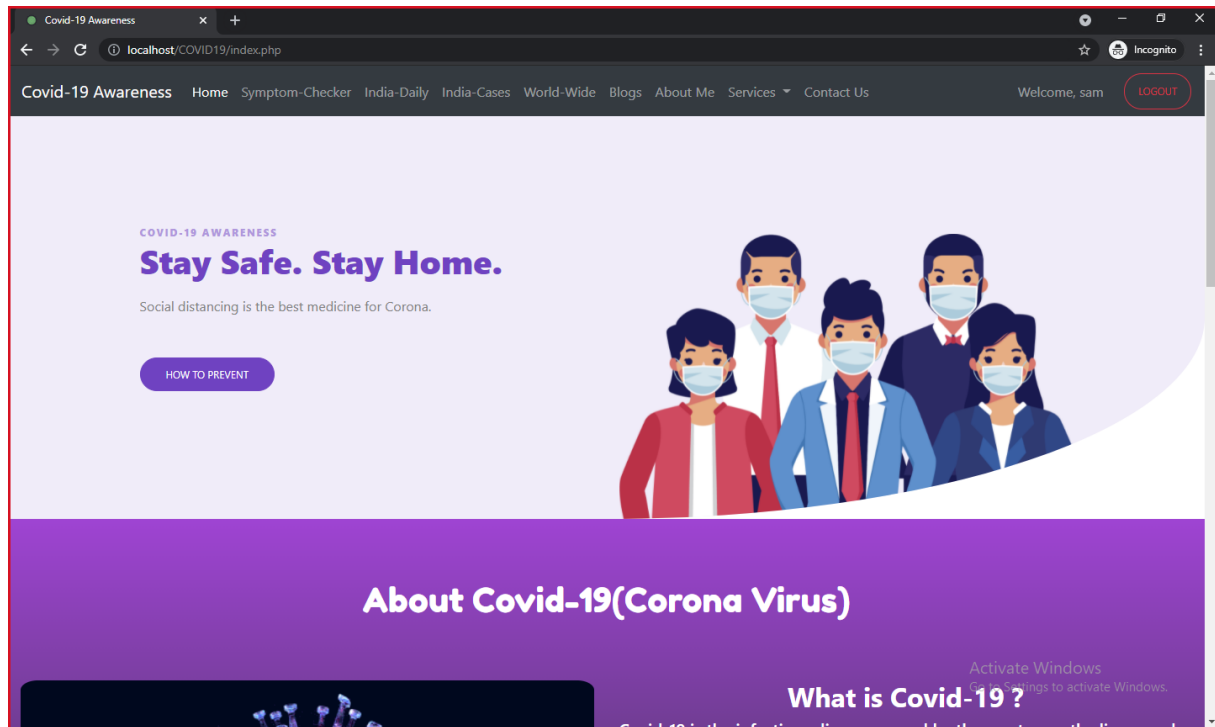
Signup at the launch of the website-

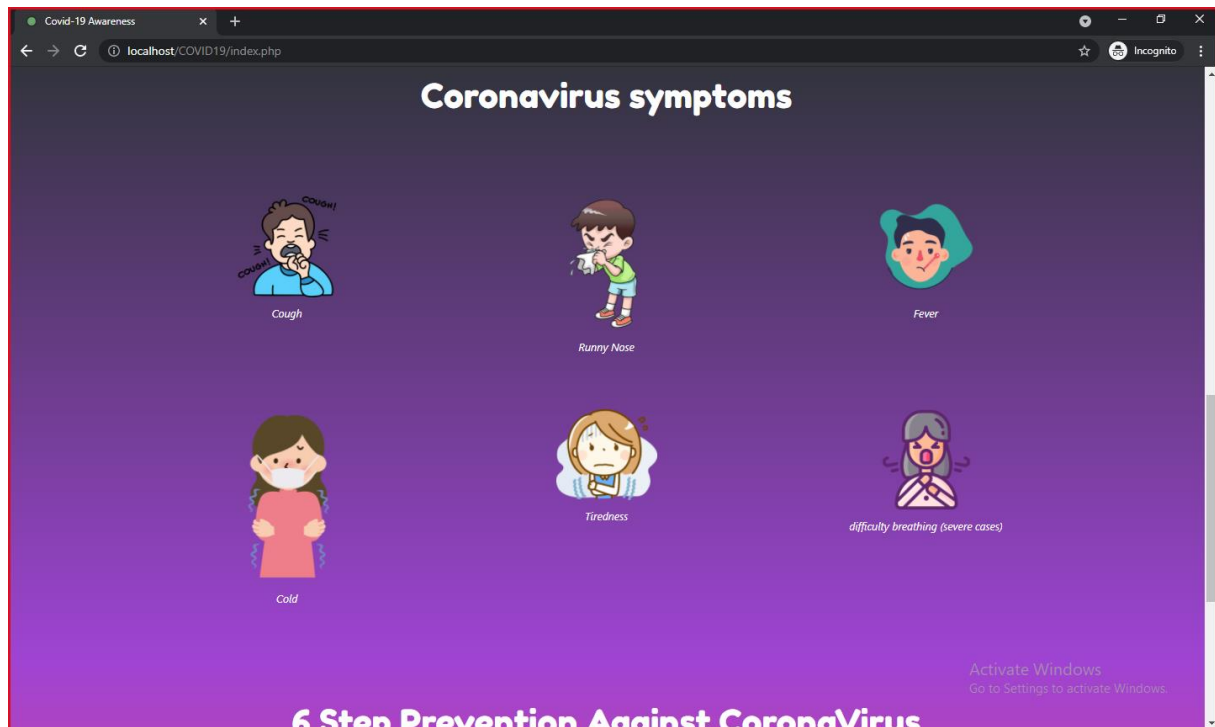


Login for registered users-



Home page -





Symptom-Checker-

The screenshot shows the 'Questions for you' section of the web application. The header includes the site name 'Covid-19 Awareness' and navigation links: Home, Symptom-Checker, India-Daily, India-Cases, World-Wide, Blogs, About Me, Services, and Contact Us. A user is logged in as 'sam' with a 'Logout' button. The main content area has a dark background with the title 'Questions for you' in yellow. Below the title, it says 'give this Simple Test and you'll get your results..' and 'If you wanna give this test then all Questions are necessary.' A blue 'Today's Live' button is present. The first question is 'What is your age ?' with radio button options: 6-18, 19-25, 25-40, and 40-above. An 'Activate Windows' watermark is visible in the bottom right corner.

Covid-19 Awareness Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Me Services Contact Us Welcome, sam Logout

Questions for you

give this Simple Test and you'll get your results..

If you wanna give this test then all Questions are necessary.

Today's Live

What is your age ?

- ☐ 6-18
- ☐ 19-25
- ☐ 25-40
- ☐ 40-above

Activate Windows
Go to Settings to activate Windows.

The screenshot shows the continuation of the web application. The first question is '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)?' with radio button options: YES and NO. The second question is 'what is your color code in Aarogya Setu app ? (the aarogya setu app categorizes user into 4 colors based on self assessment)' with radio button options: Red color(COVID positive), Orange color (Hight Risk), Yellow Color (Moderate Risk), and Green color (Low Risk). A green 'Submit' button is at the bottom. An 'Activate Windows' watermark is visible in the bottom right corner.

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)?

- ☐ YES
- ☐ NO

what is your color code in Aarogya Setu app ? (the aarogya setu app categorizes user into 4 colors based on self assessment)

- ☐ Red color(COVID positive)
- ☐ Orange color (Hight Risk)
- ☐ Yellow Color (Moderate Risk)
- ☐ Green color (Low Risk)

Submit

Activate Windows
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Score generated after giving test-

Covid-19 Awareness

Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Me Services Contact Us

Welcome, sam [Logout](#)

Your Total

If your score in less than 60% then you should follow these instructions..

[Instructions](#)

20%

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India-Daily Cases-

Covid-19 Awareness

Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Me Services Contact Us

Welcome, sam [Logout](#)

COVID-19 LIVE DAILY UPDATES INDIA

Date & Month

8 June 2021

Total Confirmed	Daily Deceased	Daily Confirmed	Daily Recovered	Total Recovered	Total Deceased
29088025	2222	92785	162331	27496018	352966

Date & Month

7 June 2021

Total Confirmed	Daily Deceased	Daily Confirmed	Daily Recovered	Total Recovered	Total Deceased
28995240	2106	85803	182866	27333687	350744

Date & Month

6 June 2021

Total Confirmed	Daily Deceased	Daily Confirmed	Daily Recovered	Total Recovered	Total Deceased
28909437	2444	101209	174156	27150821	348638

Date & Month

5 June 2021

Activate Windows
Go to Settings to activate Windows.

India-Cases (State-wise cases)-

Covid-19 Awareness					
Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Me Services Contact Us					
Welcome, sam Logout					
Last-Update-Time	State	confirmed	Active	Recovered	Deaths
09/06/2021 21:22:24	Andaman and Nicobar Islands	7168	91	6952	125
09/06/2021 20:00:37	Andhra Pradesh	1779773	103995	1664082	11696
08/06/2021 22:41:23	Arunachal Pradesh	30000	3305	26569	126
09/06/2021 21:22:26	Assam	446445	48499	392806	3793
09/06/2021 21:51:24	Bihar	715179	7352	698397	9429
09/06/2021 19:50:31	Chandigarh	60862	649	59432	781
08/06/2021 22:25:30	Chhattisgarh	982962	19471	950234	13257
09/06/2021 19:50:32	Dadra and Nagar Haveli and Daman and Diu	10438	160	10243	4
09/06/2021 19:50:33	Delhi	1430128	4511	1400913	24704
09/06/2021 18:38:28	Goa	160740	5790	152073	2877
09/06/2021 00:19:21	Gujarat	817707	14724	793028	9955
09/06/2021 21:22:27	Haryana	764094	7079	748186	8829
09/06/2021 20:00:41	Himachal Pradesh	196905	6682	186872	3327

World-wide Cases (Country-Wise cases)-

Covid-19 Awareness			
Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Me Services Contact Us			
Welcome, sam Logout			
Covid-19 Live Cases			
An opensource project to keep track of all the COVID-19 cases around the world.			
Confirmed 173997437	Recovered 111982400	Deceased 3747371	
<p>"Prevention is the Cure."</p> <p>Stay Indoors Stay Safe.</p>			
Countries	Confirmed	Recovered	Deceased
Afghanistan	82326 ↑1485	59569	3251
Albania	132397 ↑13	129736	2452
Algeria	131647 ↑364	91651	3537
Andorra	13781 ↑4	13557	127

Covid-19 Awareness

localhost/COVID19/worldwidecases.php

Countries	Confirmed	Recovered	Deceased
Afghanistan	82326 ↑1485	59569	3251
Albania	132397 ↑13	129736	2452
Algeria	131647 ↑364	91651	3537
Andorra	13781 ↑4	13557	127
Angola	36004 ↑150	29368	803
Antigua and Barbuda	1263	1214	42
Argentina	4008771 ↑31137	3585811	82667
Armenia	223285 ↑73	214609	4463
Australia	30210 ↑5	23630	910
Austria	647322 ↑243	631869	10647
Azerbaijan	334849 ↑102	327387	4947
Bahamas	12024	11026	232
Bahrain	253879 ↑1279	233480	1161
Bangladesh	815282 ↑2322	755302	12913

Activate Windows
Go to Settings to activate Windows.

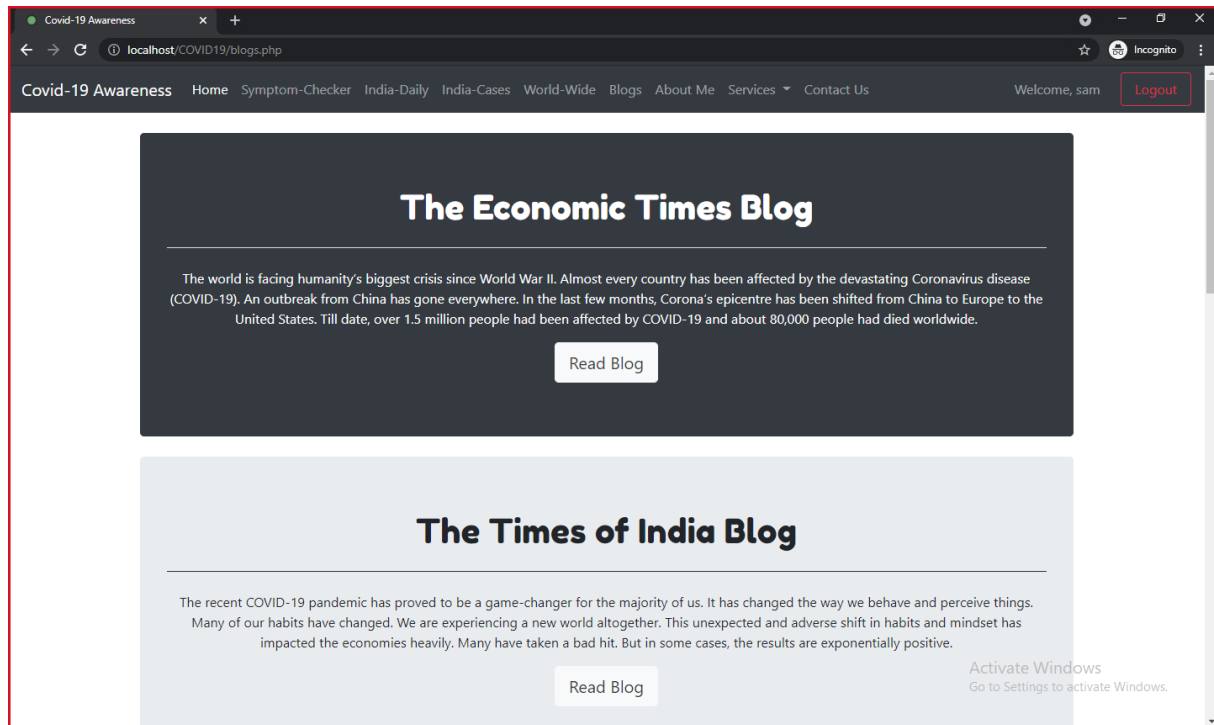
Covid-19 Awareness

localhost/COVID19/worldwidecases.php

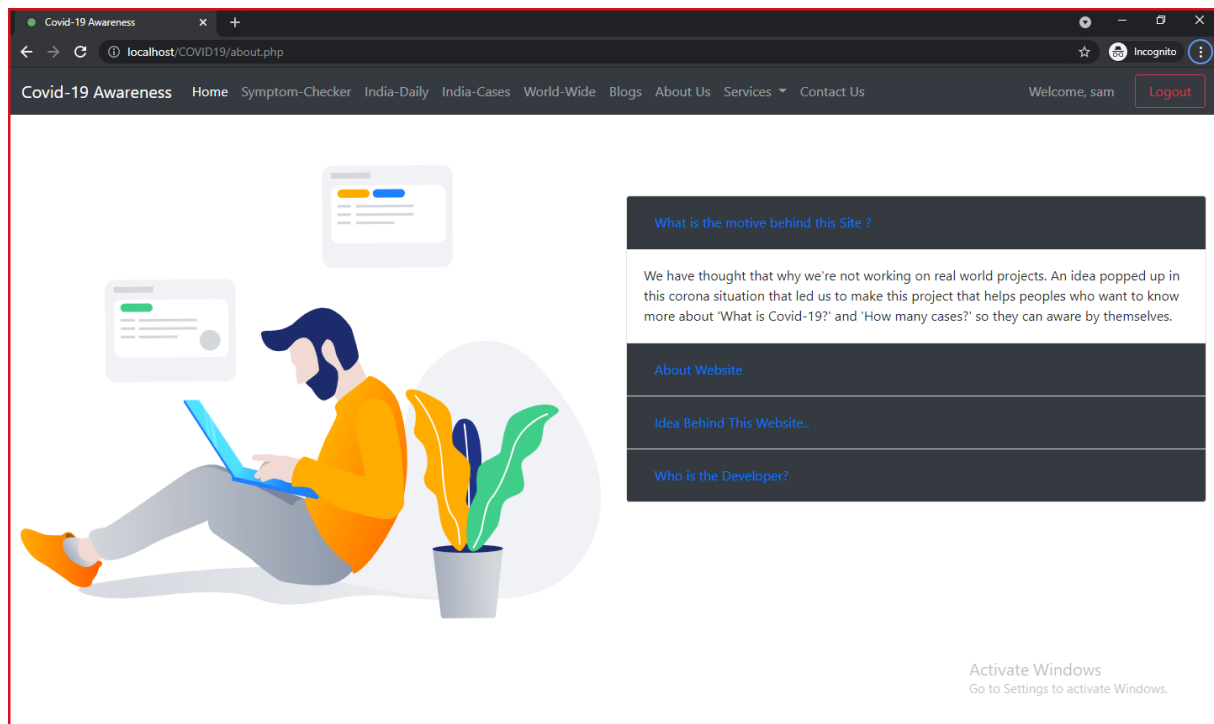
Holy See	27	27	0
Honduras	242796 ↑419	86418	6532
Hungary	806206 ↑117	718577	29883
Iceland	6555	6476	29
India	29089069 ↑92596	27504126	353528
Indonesia	1869325 ↑6294	1717370	51992
Iran	2980116 ↑8846	2578263	81362
Iraq	1233240 ↑4119	1151515	16589
Ireland	265114 ↑239	23364	4941
Israel	839585	832876	6418
Italy	4235592 ↑1894	3927176	126690
Jamaica	48810	25936	960
Japan	766068 ↑1883	710060	13705
Jordan	739847	722807	9530
Kazakhstan	452760 ↑1119	422430	3482
Kenya	173072 ↑433	118621	3326

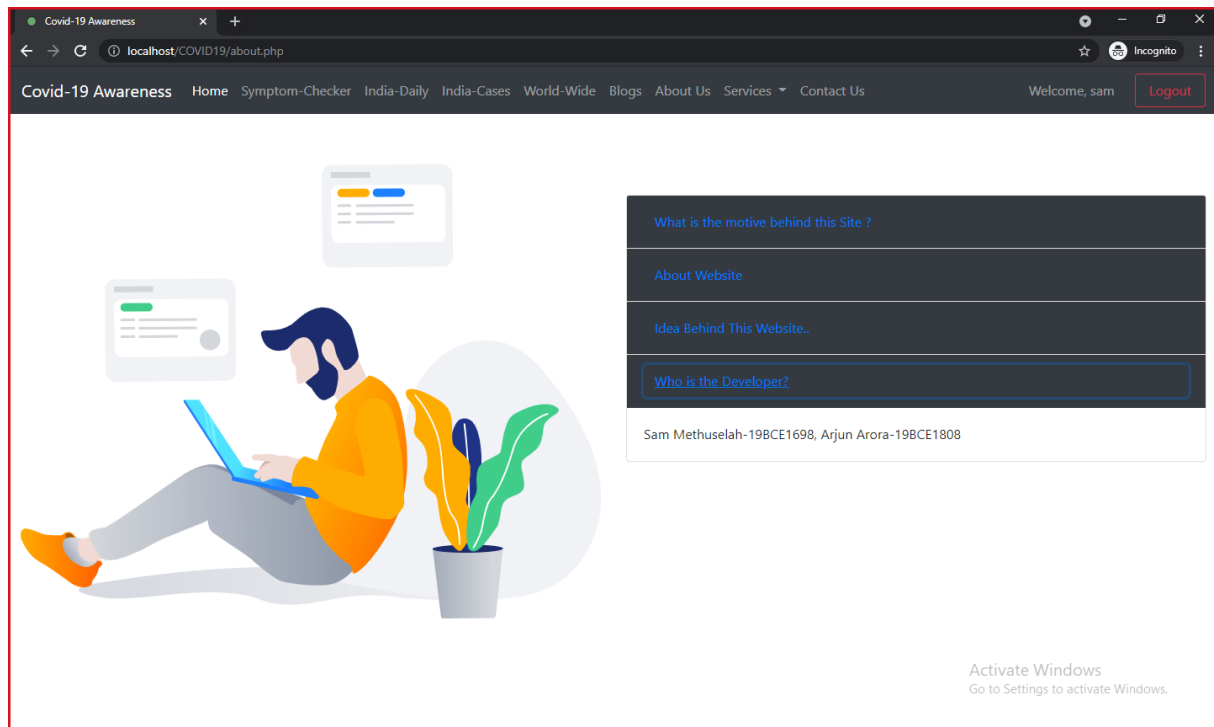
Activate Windows
Go to Settings to activate Windows.

Blogs-

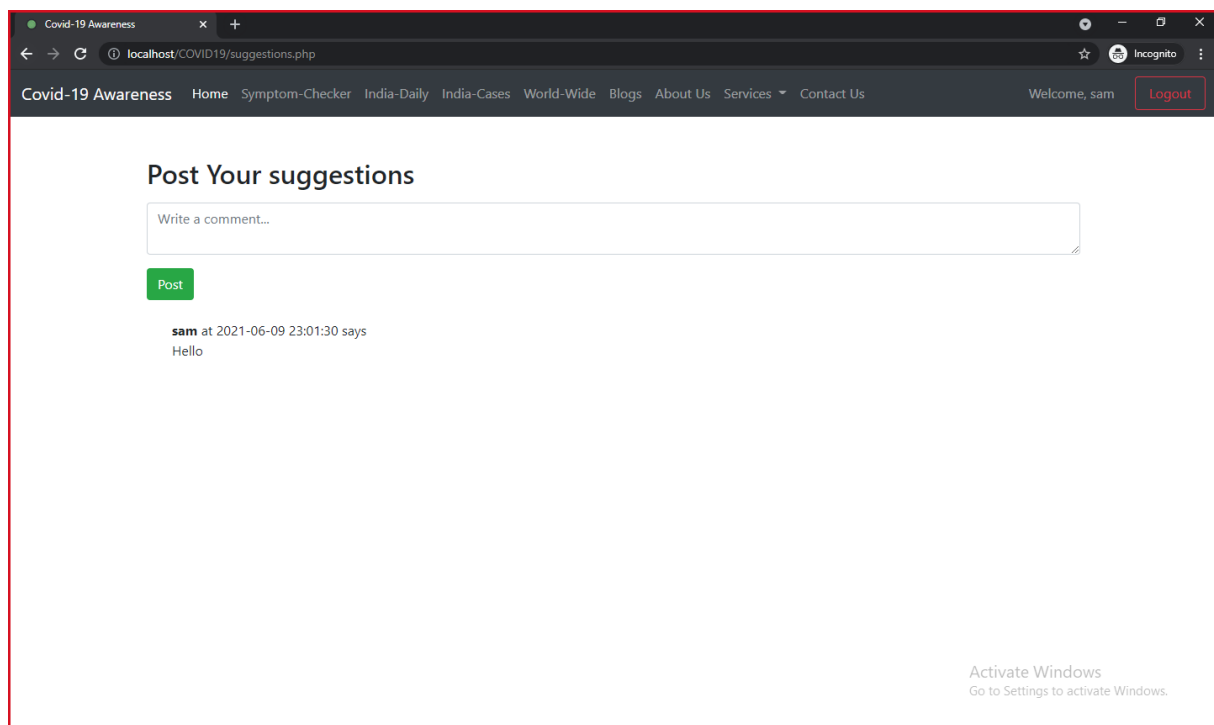


About Us-

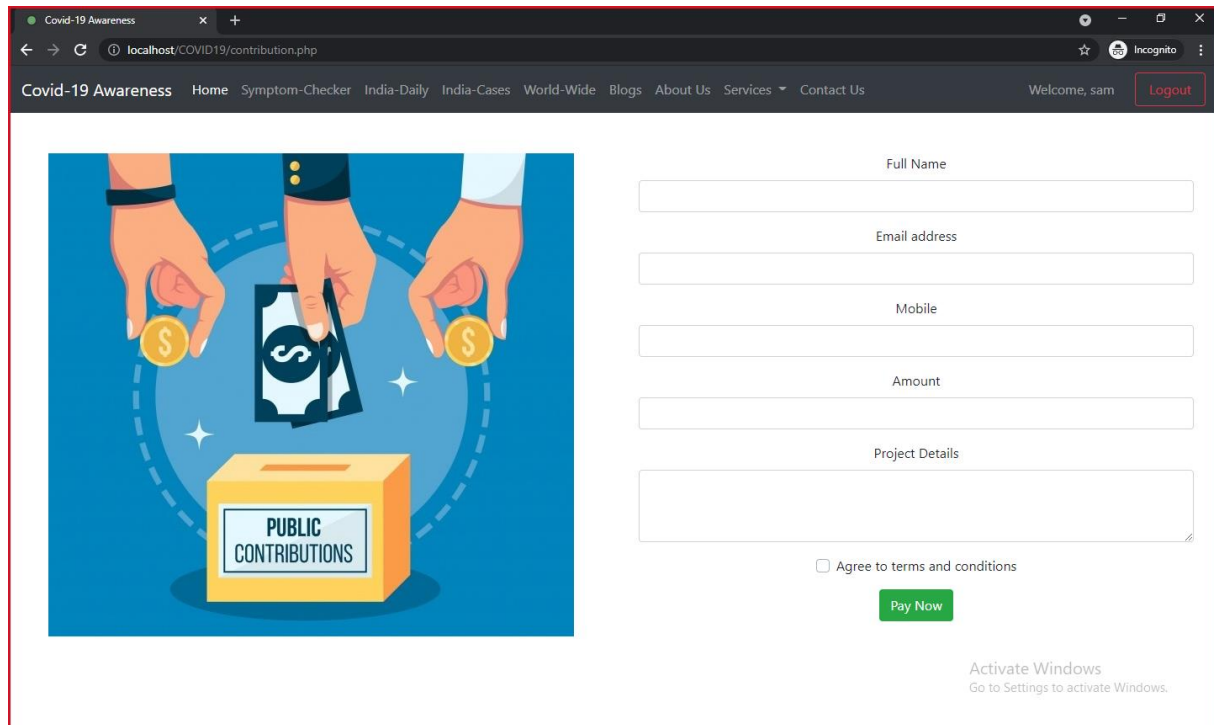




Suggestions-



Contributions-



Covid-19 Awareness

Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Us Services Contact Us

Welcome, sam [Logout](#)

Full Name

Email address

Mobile

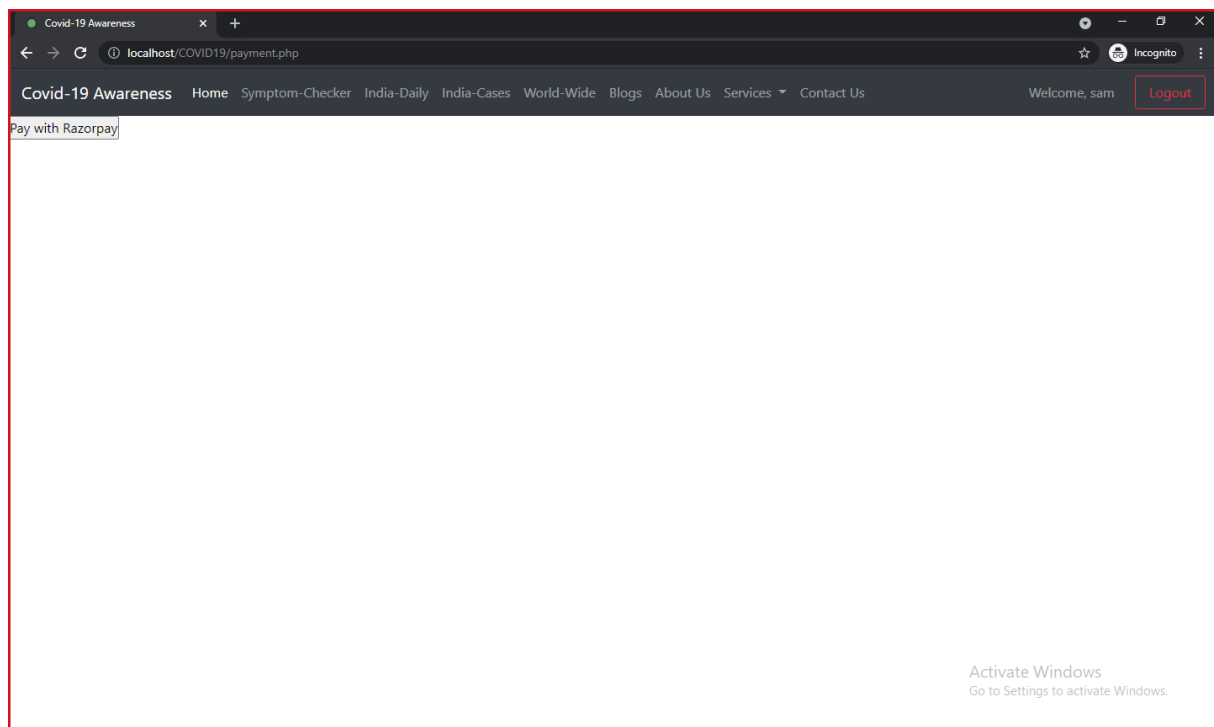
Amount

Project Details

☐ Agree to terms and conditions

[Pay Now](#)

Activate Windows
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Covid-19 Awareness

Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Us Services Contact Us

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Pay with Razorpay

Activate Windows
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Covid-19 Awareness

Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Us Services Contact Us

Welcome, sam Logout

Pay with Razorpay

Covid-19 Awareness
Help for whom who fighting with corona virus

₹ 100

English

Country +91 Phone

Email sam@gmail.com

Please enter a valid contact number

This payment is secured by Razorpay.

PROCEED

Secured by Razorpay


Activate Windows
Go to Settings to activate Windows.

Contact Us-

Covid-19 Awareness

Home Symptom-Checker India-Daily India-Cases World-Wide Blogs About Us Services Contact Us

Welcome, sam Logout



Name

Email address

Mobile

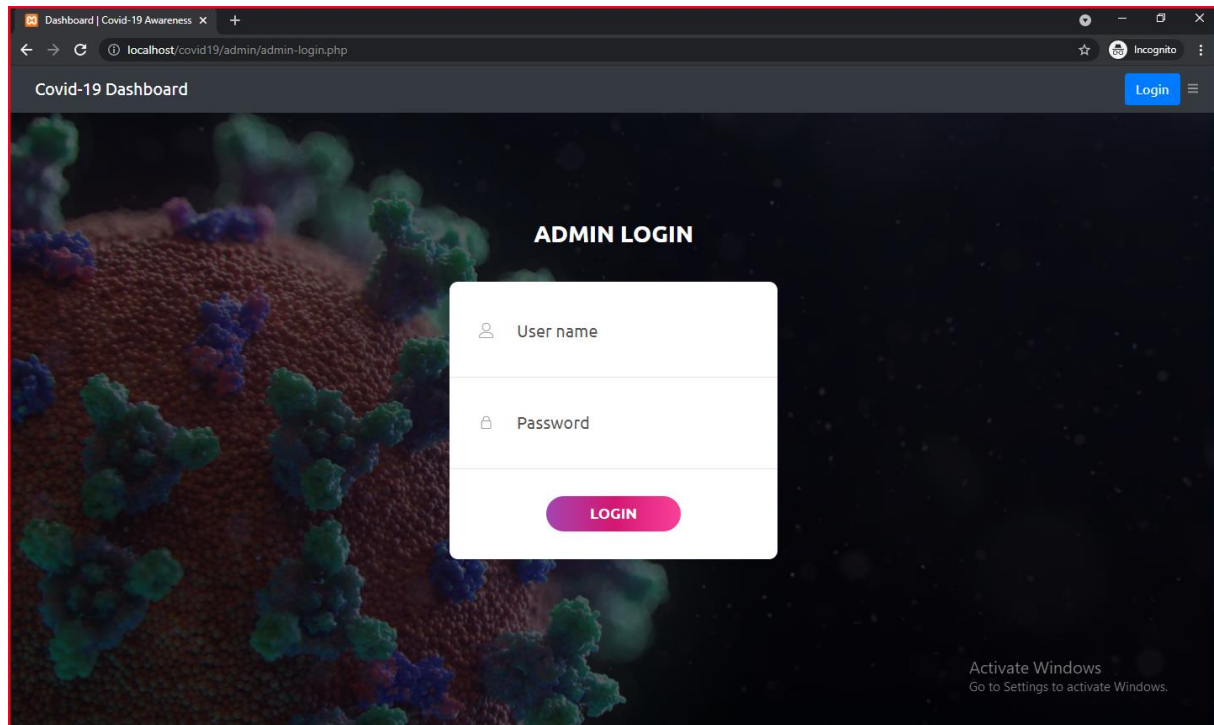
Project Details

☐ Agree to terms and conditions

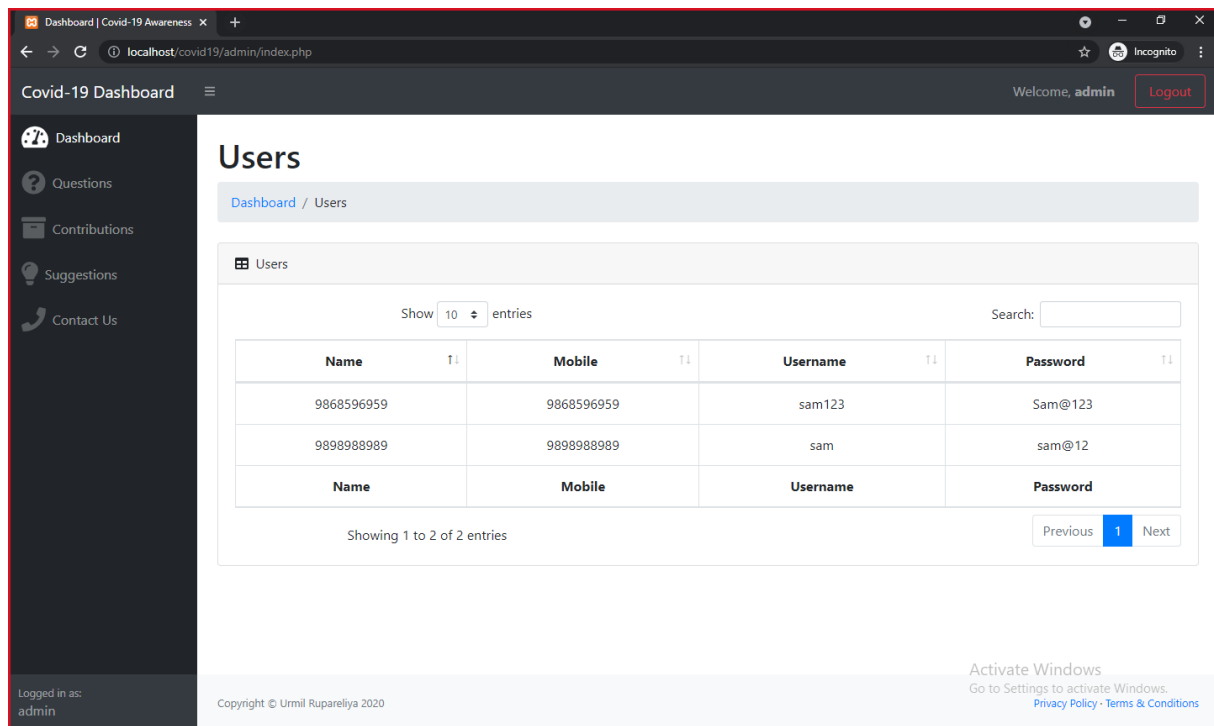
Submit

Activate Windows
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Admin Login-



Dashboard with registered users' info-



Option to modify Questions for the Symptom-Checker -

The screenshot shows the 'Add Your Question' form in the Covid-19 Dashboard. The form includes input fields for 'Add Question', 'Anser-id', 'Answer-1', 'Answer-2', 'Answer-3', and 'Answer-4'. A blue 'Add Question' button is at the bottom. The dashboard sidebar on the left contains links for Dashboard, Questions, Contributions, Suggestions, and Contact Us. The top right shows 'Welcome, admin' and a 'Logout' button. The bottom left indicates 'Logged in as: admin'.

Add Your Question

Add Question

Anser-id

Answer-1

Answer-2

Answer-3

Answer-4

Add Question

Questions

Activate Windows
Go to Settings to activate Windows.

Tracking Contributions-

The screenshot shows the 'Users' page in the Covid-19 Dashboard. It displays a table of contributions with columns: id, Name, Email, Mobile, Amount, Reason, and Delete. The table contains three entries. The dashboard sidebar and top navigation are visible.

Users

Dashboard / Contribution

Contribution

Show 10 entries

Search:

id	Name	Email	Mobile	Amount	Reason	Delete
1	sKAKJ	sammethuselah33@gmail.com	9893989283982	6	skajsas	Delete
2	sasas	sam@gmail.com	asa	4	sasa	Delete
3	Sam	sam@gmail.com	9847584858	100	Something	Delete

Showing 1 to 3 of 3 entries

Previous 1 Next

Activate Windows
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Suggestions-

The screenshot shows the 'Users' page of the Covid-19 Dashboard. The page title is 'Users' and the breadcrumb is 'Dashboard / Suggestions'. The page displays a table of suggestions with the following data:

id	POST	Time	Delete
12	Hello	2021-06-09 23:01:30	Delete

Below the table, it says 'Showing 1 to 1 of 1 entries'. The footer includes 'Logged in as: admin', 'Copyright © Urmil Rupareliya 2020', and an 'Activate Windows' message.

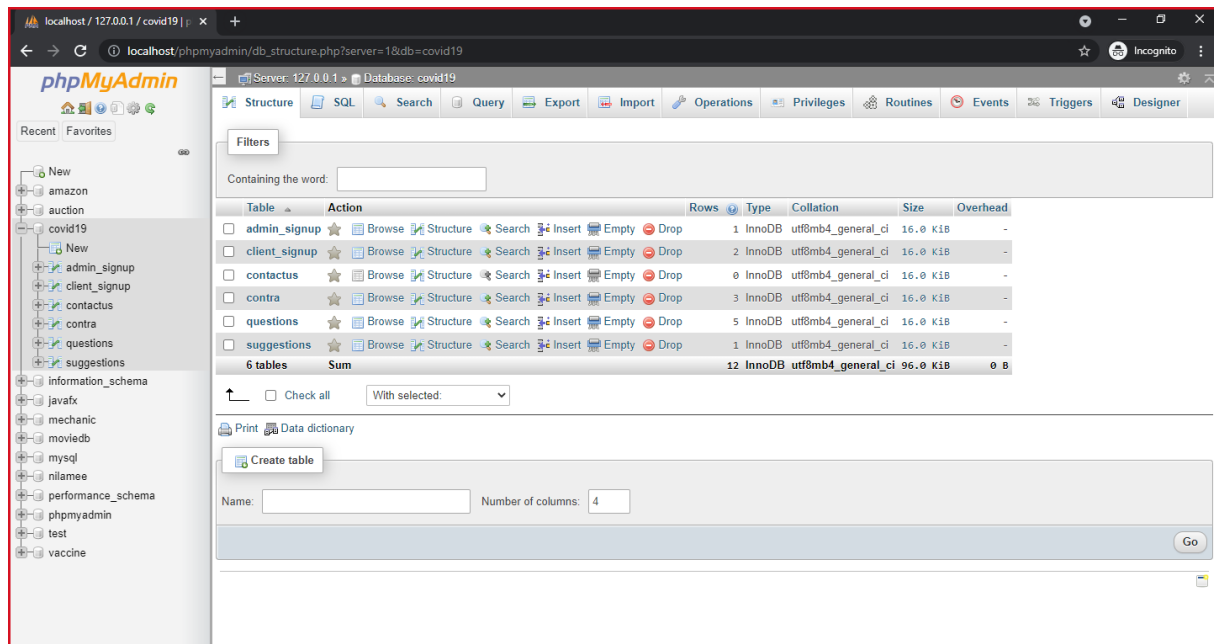
Contact Us-

The screenshot shows the 'Contact Us' page of the Covid-19 Dashboard. The page title is 'Contact Us' and the breadcrumb is 'Dashboard / Contact'. The page displays a table with the following headers:

Name	E-mail	Mobile	Reason	Delete
No data available in table				

Below the table, it says 'Showing 0 to 0 of 0 entries'. The footer includes 'Logged in as: admin', 'Copyright © Urmil Rupareliya 2020', and an 'Activate Windows' message.

DATABASE-



Database covid19

Tables-

1. **admin_signup**- Credentials of Admin are stored in this table
2. **client_signup**- Credentials of registered users are stored in this table
3. **contactus**- The ContactUs form details are stored in this table
4. **contra**- The contribution form details are stored here
5. **questions**- The questions for 'Symptom-Checker' are stored along with the options. This table can only be modified by the Admin.
6. **suggestions**- The suggestions given by users are stored here.

Requirement Mapping with Test Cases

Test Case ID	OBJECTIVE	Steps	Test Data	Expected Result	Test-Results	Status
1	Log In	1) Launch the site 2) Login to the application using username and password as in test data	Passing: Registered Username and Password	Passing: Registered User logged into and is directed to the site profile	Passed	Completed /Working
			Failing: Unregistered Username and Password	Failing: Error message is displayed "Invalid Credentials"		
2	Log Out	1) Log into the system. 2) Click on the "Logout" button in the interface.	Passing: User clicks on the "Logout" button.	Passing: User is logged out	Passed	Completed /Working
			Failing: Employee clicks on the "Logout" button.	Failing: Employee is not logged out and get and error message		
3	User Registration/Sig nup	1) Launch the site 2) User fills up the signup form 3) User clicks on "Signup" button.	Passing: Name, Mobile, Username, Password	Passing: User is registered successfully and gets Logged In automatically		Completed /Working
			Failing: Name, Mobile, Username, Password	Failing: Error message is displayed		
4	Form Validation of Signup Form	1) Launch the site 2) User fills up the signup form 3) User clicks on "Signup" button.	Passing: Form fields	Passing: Successful Registration/Sig nup	Passed	Completed /Working
			Failing: Empty Form fields	Failing: Error message is displayed		

5	Submit button in Symptom Checker	1) User Log-in. 2) Click on the 'Symptom Checker' tab. 3) User takes on the test. 4) User clicks 'Submit' button.	Passing: User clicks on "Submit" button	Passing: Score is generated	Passed	Completed /Working
			Failing: User clicks on "Submit" button	Failing: Error message is displayed		
6	Symptom Checker gives proper score	1) User Log-in. 2) Click on the 'Symptom Checker' tab. 3) User takes on the test. 4) User clicks 'Submit' button.	Passing: User's responses to the questionnaire	Passing: Proper Score along with the instructions if the score is less than the limit	Passed	Completed /Working
			Failing: User's responses to the questionnaire	Failing: Error message is displayed		
7	Live cases displayed in "India Daily" Tab	1) User Log-in. 2) User clicks on the "India-Daily" tab.	Passing: User clicks on 'India-Daily' tab	Passing: India's daily cases displayed	Passed	Completed /Working
			Failing: User clicks on 'India-Daily' tab	Failing: Error		
8	Live cases displayed in "India Cases" Tab	1) User Log-in. 2) User clicks on the "India-Cases" tab.	Passing: User clicks on 'India-Cases' tab	Passing: Indian States' daily cases displayed and are updated	Passed	Completed /Working
			Failing: User clicks on 'India-Cases' tab	Failing: Error		

9	Live cases displayed in "World-Wide" Tab	1) User Log-in. 2) User clicks on the "World-Wide" tab.	Passing: User clicks on 'World-Wide' tab	Passing: Country-Wise Cases displayed	Passed	Completed /Working
			Failing: User clicks on 'India-Daily' tab	Failing: Error		
10	Blogs Page	1) User Log-in. 2) Click on the "Blogs" tab.	Passing: User clicks on 'Blogs' tab	Passing: Blogs on Covid-19 from recognized organizations	Passed	Completed /Working
			Failing: User clicks on 'Blogs' tab	Failing: Error message is displayed		
11	Suggestion Form working properly	1) User Log-in. 2) Click on the "Service" tab. 3) Select "Suggestions" option. 4) Give Suggestion 5) Submit Suggestion	Passing: User clicks on 'Post' Button	Passing: Suggestion successfully sent and stored in db	Passed	Completed /Working
			Failing: User clicks on 'Post' Button	Failing: Error message is displayed		
12	Contribution Form working properly	1) User Log-in. 2) Click on the "Service" tab. 3) Select "Contributions" option. 4) Fill up the Form. 4) User clicks 'Pay Now' button.	Passing: User clicks 'Pay Now' button	Passing: Redirected to Payment Portal	Passed	Completed /Working
			Failing: User clicks 'Pay Now' button	Failing: Error message is displayed		

13	Contribution through Payment Portal	1) User is in payment portal 2) Select the mode of payment 3) Enter details 4) User clicks 'Pay' button.	Passing: User clicks 'Pay' button	Passing: Payment Successes	Failed	Completed /Not-Working
			Failing: User clicks 'Pay' button	Failing: Error message is displayed		

CONCLUSION

The application, overall, helps the people in keeping track of cases for the virus. It is also an excellent way to alert people about the number of infected cases in their state that have been identified as coronavirus-positive. In addition to showing the data of the number of users who have taken the self-assessment test which generates a score and tells if the person has a risk of being infected.

The future scope of this project aims at the person themselves being positive or if they accidentally came in contact with a person suffering from COVID-19. Also, to continue tracing individuals actively. The API of the application can be used in such a way that it enables even smartphone i.e. android implementation, to exchange the tracing keys periodically. This will help to locally store the unique ID of the people who have come into contact with the user. If later a user is tested positive for coronavirus, this method of cryptography will also ensure the privacy and the safety of your data, as the cryptographic IDs refresh every 15 minutes and also remain anonymous.

The project has been working diligently to mitigate the impact of COVID-19, from providing our health plan customers with critical tools and information to applying our deep analytics expertise and answering some of the biggest questions around the pandemic, such as which communities may be next to feel the impact. Equally important, as states and counties reopen under social distancing rules, it

will be critical to maintain active surveillance of any early spikes that may be predictive of COVID-19 resurgence.

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