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**Vellore Institute of Technology**  
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**VELLORE INSTITUTE OF TECHNOLOGY, VELLORE**

**FALL SEMESTER 2020 – '21**

***CSE3002: INTERNET AND WEB PROGRAMMING***

***PROJECT REPORT***

**PROJECT SAHYOG**

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**UNDER THE GUIDANCE OF:**

**Prof. Ranguthar T.**

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### Acknowledge

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- The team, Fall Semester 2020 – '21

## Introduction:

In the wake of the COVID-19 pandemic, hospitals have registered a shortage of necessary equipment due to lack of production and unequal distribution of the same. Sahyog provides an online real-time platform to create an optimal supply-on-demand service to bring the hospitals and medical supply chain vendors at one place, thereby eliminating the potential shortage of medical goods and paving way for new players in the medical industry. Additionally, we believe that the project will aid into increasing awareness on COVID-19 in addition to providing real-time statistics of the same.

## Inspiration:

**Link:** <https://www.youtube.com/watch?v=QrX0BORzGwg&feature=youtu.be>

## Description:

Doctors in USA discuss their needs as a physician and how they believe students and tech hacks might help them. This video explores the fact that there is a shortage of on-demand medical services not for COVID-19 alone but also for cancer and other ailments. Another interesting fact is that patients often are in need of support groups where they can interact with other patients or maybe pool money because they lost a part of their payment while they were ill.

## Link:

<https://www.hindustantimes.com/india-news/coronavirus-shortage-of-doctorslack-of-training-may-pose-hurdles/story-kjLwzPs6BbdSG3tyhKKlcl.html>

## Description:

The news article points out how COVID-19 is still a problem when it comes to patient support and availability of services on time. Even though India is now the 2nd largest PPE producer, we still lack in ventilators, oxygenators and even PPE kits when the demands are too high.

## The Project

**Front-End:** The website involves the following flow

**Home Page:** Involves a brief introduction to the project, link to major pages that do not need any special access, involves a link to login and signup pages.

**Login and Signup Pages:** Users require to login or create an account in order to access the online market.

**Detail filling page:** If the user is signing up for the first time, the user must authenticate their information.

**Profile Page:** A user specific page where all information of the user is maintained.

**The market Page:** The users will have a separate market page depending upon the type of customer they register – a hospital market place where hospitals can place orders and similarly only the ones registered as vendors can collect orders.

**Payment Page:** A payment gateway where a list of orders made is kept. It is updated in real-time. All payments are also made using this gateway.

**Contact Page:** Involves all information required to contact the team in case of a query or problem.

**A 404 page:** A page where the website will be redirected if a certain URL in the domain is not found.

#### Back-End:

It involves a very simple RDBMS that contains usernames, details, password, payment and order history etc. It also includes a real-time list of orders placed and received. At the moment, passwords serve as the only means to encrypt data. The whole project shall be hosted on a node.js framework.

#### Module Description

The module creates an online buying-selling platform. We have named the project ‘Sahyog’ – which means co-operation or help. It involves two modules at the moment – module1: A Database for login and details. The second module involves a single page where orders are grouped on type of service/commodity needed. For example, there would be a grouped list of orders for PPE kits, a grouped list of orders for ventilators and so forth. A vendor can, depending on how much it can supply, receive

orders. Once an order is received, it is invalidated on the website. Only the vendor has that order and a dead-line to supply it.

**Note:** An additional business proposal is to impose a fine on the vendor if it is unable to deliver the supplies on time.

#### Software Requirements:

It needs a browser to support HTML, CSS, JS and JQuery on a nodejs framework. So, nodejs or npm with a modern browser that supports most of HTML5 tags would suffice to run the project.

*We have tried to keep the project as widely accessible to specially-abled people as well. However, they are not an initial target group.*

#### Additional Modules that we believe can be added:

This project might have the potential to serve as a socialising or networking platform for not only medical institutions and suppliers but also for patients who can form support groups in both psychological and financial sense. The modules available in the website are sufficient to support such an endeavour. However, a user specific UI will have to be developed in that case.

#### New Developments

Until now, the hospitals used to contact the medical vendors manually or through numerous individual portals. With the help of Sahyog, an optimal supply-on-demand service will be facilitated on a single platform for all the vendors and the hospital network. This will lead to transparent transactions and the best deals.

#### OTP Generation:

We have used the Web Dispatch API.

#### Code:

##### Hosting Session:

We have used the express-session module in nodeJS.

```
var express = require("express");  
var session = require("express-session");
```

```

var app = express();

app.use (
  session ({
    secret: "53cr3t50m3th1ng",
    resave: true,
    rolling: true,
    saveUninitialized: false,
    cookie: {
      expires: 30 * 1000
    }
  })
);

```

## Index.html

```

<!DOCTYPE html>
<html lang="en">

<head>

  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
  <title>सहयोग Project</title>
  <!-- Bootstrap Core CSS -->
  <link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <!-- Custom Fonts -->
  <link href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet"
type="text/css">
  <link
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,700,3
00italic,400italic,700italic" rel="stylesheet" type="text/css">
  <link href="vendor/simple-line-icons/css/simple-line-icons.css"
rel="stylesheet">
  <!-- Custom CSS -->
  <link href="css/stylish-portfolio.min.css" rel="stylesheet">
  <script src="https://kit.fontawesome.com/938b5b2a3b.js"
crossorigin="anonymous"></script>
<style>
  header{
    background-color: yellow;
  }

```

```

</style>
</head>

<body id="page-top">

  <!-- Navigation -->
  <a class="menu-toggle rounded" href="#">
    <i class="fas fa-bars"></i>
  </a>
  <nav id="sidebar-wrapper">
    <ul class="sidebar-nav">
      <li class="sidebar-brand">
        <a class="js-scroll-trigger" href="#page-top">Project सहयोग</a>
      </li>
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="#page-top">Home</a>
      </li>
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="/hospitals">Hospitals</a>
      </li>
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="#about">Aim</a>
      </li>
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="#services">Services</a>
      </li>
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="#portfolio">About</a>
      </li>
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="#contact">Contact</a>
      </li>
      {{#if userId}}
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="/profile">Profile</a>
      </li>
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="/logout">Logout</a>
      </li>
      {{else}}
      <li class="sidebar-nav-item">
        <a class="js-scroll-trigger" href="#login">Login</a>
      </li>
      {{/if}}
    </ul>
  </nav>

  <!-- Header -->
  <header class="masthead d-flex">
    <div class="container text-center my-auto">
      <h1 class="mb-1">सहयोग</h1>
      <h3 class="mb-5">
        <em>A Project to contribute what we can</em>
      </h3>
      <a class="btn btn-primary btn-xl js-scroll-trigger"
href="#about">Read More</a>
    </div>
    <div class="overlay"></div>
  </header>

```



```

<!-- About -->
<section class="content-section bg-light" id="about">
  <div class="container text-center">
    <div class="row">
      <div class="col-lg-10 mx-auto">
        <h2>Aim</h2>
        <p class="lead mb-5">
          This project aims at integrating various components of the
medical industry - The hospitals, the tool vendors in real time, creating
an
          optimal supply-on-demand service.
        </p>
        <a class="btn btn-dark btn-xl js-scroll-trigger"
href="#services">What We Offer</a>
      </div>
    </div>
  </div>
</section>
<!-- Services -->
<section class="content-section bg-primary text-white text-center"
id="services">
  <div class="container">
    <div class="content-section-heading">
      <h3 class="text-secondary mb-0">Services</h3>
      <h2 class="mb-5">What We Offer</h2>
    </div>
    <div class="row">
      <div class="col-lg-3 col-md-6 mb-5 mb-lg-0">
        <span class="service-icon rounded-circle mx-auto mb-3">
          <i class="far fa-hospital" aria-label="hospital" alt="hospital-
icon"></i>
        </span>
        <h4>
          <strong>Hospitals</strong>
        </h4>
        <p class="text-faded mb-0">Creating a network of medical
institutions</p>
      </div>
      <div class="col-lg-3 col-md-6 mb-5 mb-lg-0">
        <span class="service-icon rounded-circle mx-auto mb-3">
          <i class="fas fa-business-time" alt="#" aria-label="Real-time
business"></i>
        </span>
        <h4>
          <strong>Bussiness</strong>
        </h4>
        <p class="text-faded mb-0">Creating a supply-on-demand network,
enhancing bussiness</p>
      </div>
      <div class="col-lg-3 col-md-6 mb-5 mb-md-0">
        <span class="service-icon rounded-circle mx-auto mb-3">
          <i class="fas fa-microchip"></i>
        </span>
        <h4>
          <strong>Integration</strong>
        </h4>
        <p class="text-faded mb-0">Integrating Medical Services with
transparency and technology
          <i class="fas fa-heart"></i></p>
      </div>
    </div>
  </div>

```

```

        <span class="service-icon rounded-circle mx-auto mb-3">
            <i class="icon-mustache"></i>
        </span>
        <h4>
            <strong>Query Resolution</strong>
        </h4>
        <p class="text-faded mb-0">I mustache you a question...</p>
    </div>
</div>
</div>
</section>

<!-- Callout -->
<section class="callout">
    <div class="container text-center">
        <h5 class="mx-auto mb-5">
            Stronger networks, better availability of tools shall save
            <em>life</em> and that is good. <br>
            Watch how the team that made this explain their ideas.
        </h5>
        <a class="btn btn-primary btn-xl" href="#">Watch Video</a>
    </div>
</section>

<!-- Portfolio -->
<section class="content-section" id="portfolio">
    <div class="container">
        <div class="content-section-heading text-center">
            <h3 class="text-secondary mb-0">Portfolio</h3>
            <h2 class="mb-5">The Project</h2>
        </div>
        <div class="row no-gutters">
            <div class="col-lg-6">
                <a class="portfolio-item" href="https://youtu.be/JJil3zXvn-c">
                    <div class="caption">
                        <div class="caption-content">
                            <div class="h2">The Project Overview</div>
                            <p class="mb-0">Check out the Project Report</p>
                        </div>
                    </div>
                    
                </a>
            </div>
            <div class="col-lg-6">
                <a class="portfolio-item"
href="https://www.youtube.com/watch?v=QrX0BORzGwg&feature=youtu.be"
target="_blank">
                    <div class="caption">
                        <div class="caption-content">
                            <div class="h2">Behind the Idea</div>
                            <p class="mb-0">Check out this Youtube video where doctors
in US speak out their problems and requirements</p>
                        </div>
                    </div>
                    
                </a>
            </div>
            <div class="col-lg-6">
                <a class="portfolio-item"
href="https://www.hindustantimes.com/india-news/coronavirus-shortage-of-
doctors-lack-of-training-may-pose-hurdles/story-
kjLwzPs6BbdSG3tyhKKlcI.html" target="_blank">

```

```

        <div class="caption">
            <div class="caption-content">
                <div class="h2">Maybe, we still have space</div>
                <p class="mb-0">
                    We found this article in Hindustan Times. It is about how
                    shortage of medical staff and kits has caused troubles in medical sector.
                </p>
            </div>
        </div>
        
    </a>
</div>
<div class="col-lg-6">
    <a class="portfolio-item" href="https://www.corify.in/"
target="_blank">
        <div class="caption">
            <div class="caption-content">
                <div class="h2">Live COVID updates</div>
                <p class="mb-0">Live COVID update of the world</p>
            </div>
        </div>
        
    </a>
</div>
</div>
</div>
</section>

<!-- Call to Action -->
<section class="content-section bg-primary text-white">
    <div class="container text-center" id="login">
        <h2 class="mb-4">Connect Now</h2>
        <a href="login.hbs" class="btn btn-xl btn-light mr-4">Login</a>
        <a href="signup.hbs" class="btn btn-xl btn-dark">Signup</a>
    </div>
</section>

<!-- Footer -->
<footer class="footer text-center" id="contact">
    <div class="container">
        <ul class="list-inline mb-5">
            <li class="list-inline-item" title="terms and conditions">
                <a class="social-link rounded-circle text-white mr-3" href="#"!>
                    <i class="fas fa-book-reader" alt="tc"></i>
                </a>
            </li>
            <li class="list-inline-item" title="twitter-link">
                <a class="social-link rounded-circle text-white mr-3" href="#"!>
                    <i class="icon-social-twitter"></i>
                </a>
            </li>
            <li class="list-inline-item" title="github-link">
                <a class="social-link rounded-circle text-white" href="#"!>
                    <i class="icon-social-github" alt="github link" aria-
label="github"></i>
                </a>
            </li>
        </ul>
        <p class="text-muted small mb-0">Project सहयोग, 2020</p>
    </div>
</footer>

```

```

<!-- Scroll to Top Button-->
<a class="scroll-to-top rounded js-scroll-trigger" href="#page-top">
  <i class="fas fa-angle-up"></i>
</a>

<!-- Bootstrap core JavaScript -->
<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<!-- Plugin JavaScript -->
<script src="vendor/jquery-easing/jquery.easing.min.js"></script>

<!-- Custom scripts for this template -->
<script src="js/stylish-portfolio.min.js"></script>

</body>
</html>

```

## Login.html

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>सहयोग : Login</title>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css
">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></s
cript>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"><
/script>
<style type="text/css">
  a, a:hover{
    text-decoration: none;
    color: beige;
  }
  .login-form {
    width: 340px;
    margin: 50px auto;
  }
  .login-form form {
    margin-bottom: 15px;
    background: #f7f7f7;
    box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.3);
    padding: 30px;
  }
  .login-form h2 {
    margin: 0 0 15px;
  }
  .form-control, .btn {
    min-height: 38px;
    border-radius: 2px;

```

```

    }
    .btn {
        font-size: 15px;
        font-weight: bold;
    }
    body{
        background-color: #58b4ae;
    }
    .error{
        color:red
    }
}
</style>
</head>
<body>
<div class="login-form">
    <form action="/login.hbs" method="post">
        <h2 class="text-center">Log in</h2>
        <div class="form-group">
            <input type="text" class="form-control" name="username"
placeholder="Username" required="required">
        </div>
        <div class="form-group">
            <input type="password" class="form-control" name="password"
placeholder="Password" required="required">
        </div>
        <div class="error">{{error}}</div>
        <div class="form-group">
            <button type="submit" class="btn btn-primary btn-block">Log
in</button>
        </div>
        <div class="clearfix">
            <label class="pull-left checkbox-inline"><input
type="checkbox"> Remember me</label>
            <a href="#" class="pull-right">Forgot Password?</a>
        </div>
    </form>
    <p class="text-center"><a href="signup.hbs">Create an Account</a></p>
    <br>
    <p class="text-center">For any queries, please check our <a
href="">Contact Page</a></p>
    <br>
</div>
</body>
</html>

```

## Signup.html

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://fonts.googleapis.com/css?family=Roboto:400,700"
rel="stylesheet">
<title>Register</title>

```

```

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css
">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-
theme.min.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></s
cript>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"><
/script>
<style type="text/css">
    body{
        color: #fff;
        background: #58b4ae;
        font-family: 'Roboto', sans-serif;
    }
    .form-control{
        height: 40px;
        box-shadow: none;
        color: #969fa4;
    }
    .form-control:focus{
        border-color: #5cb85c;
    }
    .form-control, .btn{
        border-radius: 3px;
    }
    @media (max-width: 800px) {
    #mobile{
        width: 100%; /* The width is 100%, when the viewport is 800px
or smaller */
    }
    }
    .signup-form{
        width: 400px;
        margin: 0 auto;
        padding: 30px 0;
    }
    .signup-form h2{
        color: #636363;
        margin: 0 0 15px;
        position: relative;
        text-align: center;
    }
    .signup-form h2:before, .signup-form h2:after{
        content: "";
        height: 2px;
        width: 30%;
        background: #d4d4d4;
        position: absolute;
        top: 50%;
        z-index: 2;
    }
    .signup-form h2:before{
        left: 0;
    }
    .signup-form h2:after{
        right: 0;
    }
}

```

```

.signup-form .hint-text{
  color: #999;
  margin-bottom: 30px;
  text-align: center;
}
.signup-form form{
  color: #999;
  border-radius: 3px;
  margin-bottom: 15px;
  background: #f2f3f7;
  box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.3);
  padding: 30px;
}
.signup-form .form-group{
  margin-bottom: 20px;
}
.signup-form input[type="checkbox"]{
  margin-top: 3px;
}
.signup-form .btn{
  font-size: 16px;
  font-weight: bold;
  min-width: 140px;
  outline: none !important;
}
.signup-form .row div:first-child{
  padding-right: 10px;
}
.signup-form .row div:last-child{
  padding-left: 10px;
}
.signup-form a{
  color: #fff;
  text-decoration: underline;
}
.signup-form a:hover{
  text-decoration: none;
}
.signup-form form a{
  color: #5cb85c;
  text-decoration: none;
}
.signup-form form a:hover{
  text-decoration: underline;
}
.error{
  color:red
}
</style>
</head>
<body>
<div class="signup-form" id="mobile">
  <form action="/signup.hbs" name="myform" method="post" onsubmit =
"return(validate());">
    <h2>Register</h2>
    <p class="hint-text">Request for a account. It's free and only takes
a minute.</p>
    <div class="form-group">
      <input type="text" class="form-control" name="name"
placeholder="Name of Institution" required="required">
    </div>

```

```

        <div class="form-group">
            <input type="email" class="form-control" name="email"
placeholder="Email" required="required">
        </div>
        <div class="form-group">
            <input type="password" class="form-control" name="password"
placeholder="Password" required="required">
        </div>
        <div class="form-group">
            <input type="password" class="form-control"
name="confirm_password" placeholder="Confirm Password" required="required">
        </div>
        <div class="error">{{error}}</div>
        <div class="form-group">
            <select class="form-control" name="type" placeholder="Type
(Hospital/Vendor)" required="required">
                <option>Hospital</option>
                <option>Vendor</option>
            </select>
        </div>
        <div class="form-group">
            <input class="form-control" name="address" placeholder="Address"
required="required">
        </div>
        <div class="form-group">
            <input class="form-control" name="contact" placeholder="enter a
mobile number here." required="required">
        </div>
        <div class="form-group">
            <label class="checkbox-inline"><input type="checkbox"
required="required"> I accept the <a href="#">Terms of Use</a> & <a
href="#">Privacy Policy</a></label>
        </div>
        <div class="form-group">
            <button type="submit" class="btn btn-success btn-lg btn-
block">Register Now</button>
        </div>
    </form>
    <div class="text-center">Already have an account? <a
href="login.hbs">Sign in</a></div>
    <br>
    <div class="text-center">
        <p>
            (It might take about 3-6 hours for your account to be activated
because we will first contact the institution in person.
            <br>
            Please refer our Terms for reference.)
        </p>
    </div>
</div>
<script type = "text/javascript">
    <!--
    // Form validation code will come here.
    function validate() {

        if( document.myform.name.value == "" ) {
            alert( "Please provide your name!" );
            document.myform.name.focus() ;
            return false;
        }
        if( document.myform.email.value == "" ) {

```



```

        alert( "Please provide your Email!" );
        document.myform.email.focus() ;
        return false;
    }
    if( document.myform.contact.value == "" ||
isNaN( document.myform.contact.value ) ||
        document.myform.contact.length != 6 ) {

        alert( "Your mobile number is invalid" );
        document.myform.contact.focus() ;
        return false;
    }
    ( document.myform.password.value == "" ||
isNaN( document.myform.password.value ) ||
        document.myform.password.length != 8 ) {
        alert( "Please enter a 8 digit password" );
        return false;
    }
    if ( document.myform.confirm_password.value ==
document.myform.password.value ) {
        alert( "Please enter a 8 digit password" )
        return( true );
    }
}
//-->
</script>
</body>
</html>

```

## profile.html

```

<html>
  <head>
    <!-- CSS only -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.
css" integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxXfFc+NcPbldKGj7Sk"
crossorigin="anonymous">
    <link href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css" rel="stylesheet" integrity="sha384-
wvfXpqpZVZVQCK6TAh5PV1GOfQNHSoD2xbE+QkPxCaFlnEvoEH3S10sibVcOQVnN"
crossorigin="anonymous">

    <!-- JS, Popper.js, and jQuery -->
    <script
src="https://code.jquery.com/jquery-3.5.1.js"
integrity="sha256-QWo7LDvxbWT2tbbQ97B53yJnYU3WhH/C8ycbRAKjPDc="
crossorigin="anonymous"></script>
    {{!-- <script src="https://code.jquery.com/jquery-
3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script> --}}
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js

```

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" integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
crossorigin="anonymous"></script>
    <style>
        a{
            color: #1b1e21;
        }
    </style>
</head>
<body>
    <nav class="navbar sticky top navbar-expand-lg navbar-light"
style="background-color: #7abaff;">
        <a class="navbar-brand" href="index.hbs">Project सहयोग</a>
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNavAltMarkup" aria-
controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle
navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
            <div class="navbar-nav">
                <a class="nav-item nav-link" href="#">Features</a>
                <a class="nav-item nav-link" href="#">Pricing</a>
                <a class="nav-item nav-link disabled" href="#" tabindex="-
1" aria-disabled="true" style="color: #10100e">
                    The Social Network(coming soon!)
                </a>
            </div>
        </div>
    </nav>

    <div>
        <hr>
        <div class="container bootstrap snippet">
            <div class="row">
                <div class="col-sm-10">
                    <h1>{{user.name}}</h1></div>
                <div class="col-sm-2">
                    <a href="/users" class="pull-right"></a>
                </div>
            </div>
            <div class="row">
                <div class="col-sm-3">
                    <!--left col-->

                    <ul class="list-group">
                        <li class="list-group-item text-
muted">Profile</li>
                        <li class="list-group-item text-right"><span
class="pull-left"><strong>Joined</strong></span>{{user.createdAt}}</li>
                        <li class="list-group-item text-right"><span
class="pull-left"><strong>Last seen</strong></span> Today</li>
                        <li class="list-group-item text-right"><span
class="pull-left"><strong>Real name</strong></span>{{user.name}}</li>
                    </ul>

                    <br>

                    <div class="panel panel-default">
                        <div class="panel-heading">Website <i class="fa

```

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fa-link fa-1x"></i></div>
        <div class="panel-body"><a
href="https://bootdey.com">https://bootdey.com</a></div>
        </div>
        <br>
        <ul class="list-group">
            <li class="list-group-item text-muted">Activity
< i class="fa fa-dashboard fa-1x"></i></li>
            <li class="list-group-item text-right"><span
class="pull-left"><strong>Shares</strong></span> 125</li>
            <li class="list-group-item text-right"><span
class="pull-left"><strong>Likes</strong></span> 13</li>
            <li class="list-group-item text-right"><span
class="pull-left"><strong>Posts</strong></span> 37</li>
            <li class="list-group-item text-right"><span
class="pull-left"><strong>Followers</strong></span> 78</li>
        </ul>
        <br>
        <div class="panel panel-default">
            <div class="panel-heading" style="color:
#b21f2d"><b>Social Media</b></div><br>
            <div class="panel-body">
                < i class="fa fa-facebook fa-2x"></i> </i>
< i class="fa fa-twitter fa-2x"></i> </i> < i class="fa fa-google-plus fa-
2x"></i>
                </div>
            </div>
            <br>
        </div>
        <!--/col-3-->
        <div class="col-sm-9">
            <ul class="nav nav-tabs" id="myTab">
                <li class="active" style="margin-right:
0.5rem;"><a href="#home" data-toggle="tab">Home</a></li>
                <li><a href="#messages" data-toggle="tab"
style="margin-right: 0.5rem;">Messages</a></li>
                <li><a href="#settings" data-
toggle="tab">Settings</a></li>
            </ul>
            {{#if myProfile}}
            <form action="/profile" method="post">
                <div class="form-row">
                    <div class="col-7">
                        <input type="text" class="form-
control" name="name" id="nameInput" placeholder="PPE Name"
required="required">
                    </div>
                    <div class="col">
                        <input type="text" class="form-control"
name="value" id="valueInput" placeholder="Quantity" required="required">
                    </div>
                    <div class="col">
                        <button type="submit" id="addBtn"
class="btn btn-primary">ADD</button>
                    </div>
                </div>
            </form>
            {{/if}}

```

```

        <div class="tab-content">
            <div class="tab-pane active" id="home">
                <div class="table-responsive">
                    <table class="table table-hover">
                        <thead>
                            <tr>
                                <th>#</th>
                                <th>PPE</th>
                                <th>QUANTITY</th>
                            </tr>
                        </thead>
                        <tbody id="items">
                            {{#each ppes}}
                                <tr>

<td>{{this.id}}</td>

<td>{{this.name}}</td>

<td>{{this.quantity}}</td>

                                </tr>
                            {{/each}}
                        </tbody>
                    </table>
                    <hr>
                    <div class="row">
                        <div class="col-md-4 col-md-offset-
4 text-center">
                            <ul class="pagination"
id="myPager"></ul>
                        </div>
                    </div>
                </div>
            </div>
        <!--/table-resp-->

        {{!-- <div class="tab-content">
            <div class="tab-pane active" id="home">
                <div class="table-responsive"> --}}
            {{!-- <table class="table table-
hover">

                <thead>
                    {{#if ../vendorFlag}}
                    <tr>
                        <th>HOSPITAL NAME</th>
                        <th>CONTACT</th>
                        <th>RECEIPT LINK</th>
                    </tr>
                    {{else}}
                    <tr>
                        <th>VENDOR NAME</th>
                        <th>CONTACT</th>
                        <th>RECEIPT LINK</th>
                    </tr>
                    {{/if}}
                </thead>
                <tbody id="items">

                    {{#each receipts}}
                        {{#if ../vendorFlag}}
                            <tr>

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<td>{{this.hospitalName}}</td>

<td>{{this.hospital.contact}}</td>

<td><a
href="">RECEIPT</a></td>

</tr>
{{else}}
<tr>

<td>{{this.vendorName}}</td>

<td>{{this.vendor.contact}}</td>

<td><a
href="">RECEIPT</a></td>

</tr>
{{/if}}
{{/each}}
</tbody>
</table>
--}}
{{!-- <hr> --}}
<div class="row">
<div class="col-md-4 col-md-offset-
4 text-center">
<ul class="pagination"
id="myPager"></ul>
</div>
</div>
</div>
<!--/table-resp-->

</div>
<hr>
<!--/tab-pane-->
{{!-- <div class="tab-pane" id="messages"> --}}

{{!-- <h2></h2>

<ul class="list-group">
<li class="list-group-item text-
muted">Inbox</li>
<li class="list-group-item text-
right"><a href="#" class="pull-left">Here is your a link to the latest
summary report from the..</a> 2.13.2014</li>
<li class="list-group-item text-
right"><a href="#" class="pull-left">Hi Joe, There has been a request on
your account since that was..</a> 2.11.2014</li>
<li class="list-group-item text-
right"><a href="#" class="pull-left">Nullam sapien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>
<li class="list-group-item text-
right"><a href="#" class="pull-left">Thllam sapien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>
<li class="list-group-item text-
right"><a href="#" class="pull-left">Wesm sapien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>
<li class="list-group-item text-
right"><a href="#" class="pull-left">For therepien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>

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                <li class="list-group-item text-right"><a href="#" class="pull-left">Also we, havesapien massaortor. A lobortis vitae, condimentum justo...</a> 2.11.2014</li>
                <li class="list-group-item text-right"><a href="#" class="pull-left">Swedish chef is assaortor. A lobortis vitae, condimentum justo...</a> 2.11.2014</li>

            </ul>

        </div>
        <!--/tab-pane-->
        <div class="tab-pane" id="settings">
            --}}
            {{!-- <form class="form" action=""
method="post" id="registrationForm">
                <div class="form-group">

                    <div class="col-xs-6">
                        <label for="first_name">
                            <h4>First name</h4></label>
                            <input type="text" class="form-control" name="first_name" id="first_name" placeholder="first name" title="enter your first name if any.">
                        </div>
                    </div>
                    <div class="form-group">

                        <div class="col-xs-6">
                            <label for="last_name">
                                <h4>Last name</h4></label>
                                <input type="text" class="form-control" name="last_name" id="last_name" placeholder="last name" title="enter your last name if any.">
                            </div>
                        </div>

                        <div class="form-group">

                            <div class="col-xs-6">
                                <label for="phone">
                                    <h4>Phone</h4></label>
                                    <input type="text" class="form-control" name="phone" id="phone" placeholder="enter phone" title="enter your phone number if any.">
                                </div>
                            </div>

                            <div class="form-group">
                                <div class="col-xs-6">
                                    <label for="mobile">
                                        <h4>Mobile</h4></label>
                                        <input type="text" class="form-control" name="mobile" id="mobile" placeholder="enter mobile number" title="enter your mobile number if any.">
                                    </div>
                                </div>
                                <div class="form-group">

                                    <div class="col-xs-6">
                                        <label for="email">
                                            <h4>Email</h4></label>

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<input type="email"
class="form-control" name="email" id="email" placeholder="you@email.com"
title="enter your email.">

</div>
</div>
<div class="form-group">

    <div class="col-xs-6">
        <label for="email">
            <h4>Location</h4></label>
            <input type="email"
class="form-control" id="location" placeholder="somewhere" title="enter a
location">

        </div>
    </div>
    <div class="form-group">

        <div class="col-xs-6">
            <label for="password">
                <h4>Password</h4></label>
                <input type="password"
class="form-control" name="password" id="password" placeholder="password"
title="enter your password.">

            </div>
        </div>
        <div class="form-group">

            <div class="col-xs-6">
                <label for="password2">
                    <h4>Verify</h4></label>
                    <input type="password"
class="form-control" name="password2" id="password2"
placeholder="password2" title="enter your password2.">

                </div>
            </div>
            <div class="form-group">
                <div class="col-xs-12">
                    <br>
                    <button class="btn btn-lg btn-
success" type="submit"><i class="glyphicon glyphicon-ok-sign"></i>
Save</button>

                    <button class="btn btn-lg"
type="reset"><i class="glyphicon glyphicon-repeat"></i> Reset</button>

                </div>
            </div>
        </form> --}}
    </div>

</div>
<!--/tab-pane-->
</div>
<!--/tab-content-->

</div>
<!--/col-9-->
</div>
<!--/row-->
</div>

<!-- Footer -->

```

```

<footer class="page-footer font-small pt-4" style="background-
color: #58b4ae;">

  <!-- Footer Links -->
  <div class="container-fluid text-center text-md-left">

    <!-- Grid row -->
    <div class="row">

      <!-- Grid column -->
      <div class="col-md-6 mt-md-0 mt-3">

        <!-- Content -->
        <h5 class="text-uppercase">Project Sahyog</h5>
        <p>
          Thankyou for using Project Sahyog.<br>
          In case of any problems, please mail us.<br>
          We shall try to resolve your issue in less than 3
hours.

        </p>

      </div>
      <!-- Grid column -->

      <hr class="clearfix w-100 d-md-none pb-3">

      <!-- Grid column -->
      <div class="col-md-3 mb-md-0 mb-3">
      </div>
      <!-- Grid column -->

      <!-- Grid column -->
      <div class="col-md-3 mb-md-0 mb-3">

        <!-- Links -->
        <h5 class="text-uppercase">Links</h5>

        <ul class="list-unstyled">
          <li>
            <a href="#">Contact</a>
          </li>
          <li>
            <a href="index.hbs">Go back Home</a>
          </li>
        </ul>

      </div>
      <!-- Grid column -->

    </div>
    <!-- Grid row -->

  </div>
  <!-- Footer Links -->

  <!-- Copyright -->
  <div class="footer-copyright text-center py-3">© 2020 Project
Sahyog<br>
  <a href="https://mdbootstrap.com/">Details generated based on
database inputs given by users.</a>
  </div>

```



```

        <!-- Copyright -->

    </footer>
    <!-- Footer -->
        <script src="/app/ppe.js" ></script>

</body>
</html>

```

## Vendorprofile.html

```

<html>
  <head>
    <!-- CSS only -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.
css" integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYXxFfc+NcPb1dKGj7Sk"
crossorigin="anonymous">
    <link href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css" rel="stylesheet" integrity="sha384-
wvfxXpqpZYZVQgK6TAh5PVLGofQNHSoD2xbE+QkPxCAF1NEvoEH3S10sibVcOQVnN"
crossorigin="anonymous">

    <!-- JS, Popper.js, and jQuery -->
    <script
src="https://code.jquery.com/jquery-3.5.1.js"
integrity="sha256-QWo7LDvxbWT2tbbQ97B53yJnYU3WhH/C8yCbRAKjPDC="
crossorigin="anonymous"></script>
    {<!-- <script src="https://code.jquery.com/jquery-
3.5.1.slim.min.js" integrity="sha384-
DfxdZ2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script> -->}}
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js
" integrity="sha384-
OgVRvuATPl1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
crossorigin="anonymous"></script>
    <style>
    </style>
  </head>
  <body>
    <nav class="navbar sticky top navbar-expand-lg navbar-light"
style="background-color: #58b4ae;">
      <a class="navbar-brand" href="index.hbs">Project सहयोग</a>
      <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNavAltMarkup" aria-
controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle
navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNavAltMarkup">

```

```

        <div class="navbar-nav">
            <a class="nav-item nav-link active" href="#">Home <span
class="sr-only">(current)</span></a>
            <a class="nav-item nav-link" href="#">Features</a>
            <a class="nav-item nav-link" href="#">Pricing</a>
            <a class="nav-item nav-link disabled" href="#" tabindex="-
1" aria-disabled="true">Disabled</a>
        </div>
    </div>
</nav>

<div>
    <hr>
    <div class="container bootstrap snippet">
        <div class="row">
            <div class="col-sm-10">
                <h1>{{user.name}}</h1></div>
            <div class="col-sm-2">
                <a href="/users" class="pull-right"></a>
            </div>
        </div>
        <div class="row">
            <div class="col-sm-3">
                <!--left col-->

                <ul class="list-group">
                    <li class="list-group-item text-
muted">Profile</li>
                    <li class="list-group-item text-right"><span
class="pull-left"><strong>Joined</strong></span>{{user.createdAt}}</li>
                    <li class="list-group-item text-right"><span
class="pull-left"><strong>Last seen</strong></span> Today</li>
                    <li class="list-group-item text-right"><span
class="pull-left"><strong>Real name</strong></span>{{user.name}}</li>

                </ul>

                <div class="panel panel-default">
                    <div class="panel-heading">Website <i class="fa
fa-link fa-1x"></i></div>
                    <div class="panel-body"><a
href="https://bootdey.com">https://bootdey.com</a></div>
                </div>

                <ul class="list-group">
                    <li class="list-group-item text-muted">Activity
<i class="fa fa-dashboard fa-1x"></i></li>
                    <li class="list-group-item text-right"><span
class="pull-left"><strong>Shares</strong></span> 125</li>
                    <li class="list-group-item text-right"><span
class="pull-left"><strong>Likes</strong></span> 13</li>
                    <li class="list-group-item text-right"><span
class="pull-left"><strong>Posts</strong></span> 37</li>
                    <li class="list-group-item text-right"><span
class="pull-left"><strong>Followers</strong></span> 78</li>
                </ul>

                <div class="panel panel-default">
                    <div class="panel-heading">Social Media</div>

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        <div class="panel-body">
            <i class="fa fa-facebook fa-2x"></i> <i
class="fa fa-github fa-2x"></i> <i class="fa fa-twitter fa-2x"></i> <i
class="fa fa-pinterest fa-2x"></i> <i class="fa fa-google-plus fa-2x"></i>
            </div>
        </div>

</div>
<!--/col-3-->
<div class="col-sm-9">

        <ul class="nav nav-tabs" id="myTab">
            <li class="active"><a href="#home" data-
toggle="tab">Home</a></li>
            <li><a href="#messages" data-
toggle="tab">Messages</a></li>
            <li><a href="#settings" data-
toggle="tab">Settings</a></li>
        </ul>
        <div class="tab-content">
            <div class="tab-pane active" id="home">
                <div class="table-responsive">
                    <table class="table table-hover">
                        <thead>
                            <tr>
                                <th>#</th>
                                <th>HOSPITAL</th>
                                <th>ORDER RECEIPT</th>
                            </tr>
                        </thead>
                        <tbody id="items">
                            {{#each receipts}}
                                <tr>

<td>{{this.hospitalName}}</td>

                                <td><a
href="">Link</a></td>

                                </tr>
                            {{/each}}
                        </tbody>
                    </table>
                    <hr>
                    <div class="row">
                        <div class="col-md-4 col-md-offset-
4 text-center">

                            <ul class="pagination"
id="myPager"></ul>

                        </div>
                    </div>
                </div>
            </div>
        </div>
    <!--/table-resp-->

    <hr>

</div>
<!--/tab-pane-->
<div class="tab-pane" id="messages">

    <h2></h2>

    <ul class="list-group">

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                                <li class="list-group-item text-
muted">Inbox</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">Here is your a link to the latest
summary report from the..</a> 2.13.2014</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">Hi Joe, There has been a request on
your account since that was..</a> 2.11.2014</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">Nullam sapien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">Thllam sapien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">Wesm sapien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">For therepien massaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">Also we, havesapien massaortor. A
lobortis vitae, condimentum justo...</a> 2.11.2014</li>
                                <li class="list-group-item text-
right"><a href="#" class="pull-left">Swedish chef is assaortor. A lobortis
vitae, condimentum justo...</a> 2.11.2014</li>

                                </ul>

                                </div>
                                <!--/tab-pane-->
                                <div class="tab-pane" id="settings">

                                <hr>
                                <form class="form" action="" method="post"
id="registrationForm">

                                <div class="form-group">

                                    <div class="col-xs-6">
                                        <label for="first_name">
                                            <h4>First name</h4></label>
                                        <input type="text" class="form-
control" name="first_name" id="first_name" placeholder="first name"
title="enter your first name if any.">
                                    </div>
                                </div>
                                <div class="form-group">

                                    <div class="col-xs-6">
                                        <label for="last_name">
                                            <h4>Last name</h4></label>
                                        <input type="text" class="form-
control" name="last_name" id="last_name" placeholder="last name"
title="enter your last name if any.">
                                    </div>
                                </div>

                                <div class="form-group">

                                    <div class="col-xs-6">
                                        <label for="phone">

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                                <h4>Phone</h4></label>
                                <input type="text" class="form-
control" name="phone" id="phone" placeholder="enter phone" title="enter
your phone number if any.">
                                </div>
                                </div>

                                <div class="form-group">
                                    <div class="col-xs-6">
                                        <label for="mobile">
                                            <h4>Mobile</h4></label>
                                            <input type="text" class="form-
control" name="mobile" id="mobile" placeholder="enter mobile number"
title="enter your mobile number if any.">
                                        </div>
                                    </div>
                                    <div class="form-group">

                                        <div class="col-xs-6">
                                            <label for="email">
                                                <h4>Email</h4></label>
                                                <input type="email"
class="form-control" name="email" id="email" placeholder="you@email.com"
title="enter your email.">
                                            </div>
                                        </div>
                                        <div class="form-group">

                                            <div class="col-xs-6">
                                                <label for="email">
                                                    <h4>Location</h4></label>
                                                    <input type="email"
class="form-control" id="location" placeholder="somewhere" title="enter a
location">
                                                </div>
                                            </div>
                                            <div class="form-group">

                                                <div class="col-xs-6">
                                                    <label for="password">
                                                        <h4>Password</h4></label>
                                                        <input type="password"
class="form-control" name="password" id="password" placeholder="password"
title="enter your password.">
                                                    </div>
                                                </div>
                                                <div class="form-group">

                                                    <div class="col-xs-6">
                                                        <label for="password2">
                                                            <h4>Verify</h4></label>
                                                            <input type="password"
class="form-control" name="password2" id="password2"
placeholder="password2" title="enter your password2.">
                                                        </div>
                                                    </div>
                                                    <div class="form-group">
                                                        <div class="col-xs-12">
                                                            <br>
                                                            <button class="btn btn-lg btn-
success" type="submit"><i class="glyphicon glyphicon-ok-sign"></i>

```

```

Save</button>
                                <button class="btn btn-lg"
type="reset"><i class="glyphicon glyphicon-repeat"></i> Reset</button>
                                </div>
                                </div>
                                </form>
                                </div>

                                </div>
                                <!--/tab-pane-->
                                </div>
                                <!--/tab-content-->

                                </div>
                                <!--/col-9-->
                                </div>
                                <!--/row-->
                                </div>

                                <!-- Footer -->
                                <footer class="page-footer font-small pt-4" style="background-
color: #58b4ae;">

                                <!-- Footer Links -->
                                <div class="container-fluid text-center text-md-left">

                                <!-- Grid row -->
                                <div class="row">

                                <!-- Grid column -->
                                <div class="col-md-6 mt-md-0 mt-3">

                                <!-- Content -->
                                <h5 class="text-uppercase">Footer Content</h5>
                                <p>Here you can use rows and columns to organize your
footer content.</p>

                                </div>
                                <!-- Grid column -->

                                <hr class="clearfix w-100 d-md-none pb-3">

                                <!-- Grid column -->
                                <div class="col-md-3 mb-md-0 mb-3">

                                <!-- Links -->
                                <h5 class="text-uppercase">Links</h5>

                                <ul class="list-unstyled">
                                <li>
                                <a href="#">Link 1</a>
                                </li>
                                <li>
                                <a href="#">Link 2</a>
                                </li>
                                <li>
                                <a href="#">Link 3</a>
                                </li>
                                <li>
                                <a href="#">Link 4</a>

```

```

        </li>
      </ul>

    </div>
    <!-- Grid column -->

    <!-- Grid column -->
    <div class="col-md-3 mb-md-0 mb-3">

      <!-- Links -->
      <h5 class="text-uppercase">Links</h5>

      <ul class="list-unstyled">
        <li>
          <a href="#">Link 1</a>
        </li>
        <li>
          <a href="#">Link 2</a>
        </li>
        <li>
          <a href="#">Link 3</a>
        </li>
        <li>
          <a href="#">Link 4</a>
        </li>
      </ul>

    </div>
    <!-- Grid column -->

  </div>
  <!-- Grid row -->

</div>
<!-- Footer Links -->

<!-- Copyright -->
<div class="footer-copyright text-center py-3">© 2020
Copyright:
  <a href="https://mdbootstrap.com/"> MDBootstrap.com</a>
</div>
<!-- Copyright -->

</footer>
<!-- Footer -->
  <script src="/app/ppe.js" ></script>

</body>
</html>

```

The sign-up page is validated by the homeroutes.js file. The same file is responsible for adding information to the database and retrieving it too.

Homeroute.js

```

const { Router }=require('express')
const
{createHospital,findHospital,findHospitalPPE,createHospitalPPE,findAllHospitals}=require('../controllers/hospital')
const
{createVendor,findVendor,findVendorPPE,createVendorPPE,findAllVendors}=require('../controllers/vendor')
const {vendor,hospital,orderReceipt}=require('../database/models')
const route=Router()

route.get('/', (req,res)=>{
  console.log(req.session.userId)
  res.render('index',{userId:req.session.userId})
})

route.get('/signup.hbs', (req,res)=>{
  res.render('signup')
})

route.post('/signup.hbs',async (req,res)=>{
const {name,email,password,confirm_password,type,address,contact}=req.body
  if(contact.length != 10)
    res.render('/signup.hbs', {passError:'Invalid mobile number'})
  if(password.length < 8)
    res.render('/signup.hbs', {passError:'Password less than 8 characters long'})
  if(password!=confirm_password)
    res.render('/signup.hbs',{passError:`Password doesn't match`})
  if(type!='Hospital' && type!='Vendor')
    res.render('/signup.hbs',{typeError:`Enter either Hospital or Vendor`})
  if(type=='Hospital'){
    console.log(req.body)
    const {name,address,contact,email,password}=req.body
    const newHospital=await
createHospital(name,address,contact,email,password)
  }else{
    console.log(req.body)
    const {name,address,contact,email,password}=req.body
    const vendor=await
createVendor(name,address,contact,email,password)
  }
  res.redirect('/')
})

route.get('/login.hbs', (req,res)=>{
  res.render('login')
})

route.post('/login.hbs',async (req,res)=>{
  const { username,password }= req.body
  const hospital=await findHospital(username,password)
  const vendor=await findVendor(username,password)
  if(hospital) req.session.userId=hospital.id
  else if(vendor) req.session.userId=vendor.id
  else res.render('login',{error:`Invalid email or password`})

  res.redirect('/')
})

```



```

route.get('/logout', (req, res)=>{
  req.session.userId=null
  res.redirect('/')
})

route.get('/profile', async (req, res)=>{
  const vendorUser=await vendor.findByPk(req.session.userId)
  const hospitalUser=await hospital.findByPk(req.session.userId)
  const user=vendorUser||hospitalUser

  const receipts=await orderReceipt.findAll({where:{hospitalId:user.id}})
  ppes=await findHospitalPPE(req.session.userId)
  let myProfile=false
  if(user==hospitalUser && user.id == req.session.userId &&
user!=undefined)
    myProfile=true
  res.render('profile', {user, ppes, myProfile, receipts})
})

route.post('/profile', async (req, res)=>{
  const {name, value}=req.body
  const hospitalUser=await hospital.findByPk(req.session.userId)
  await
createHospitalPPE(req.session.userId, name, value).catch((err)=>{console.error(err)})
  ppes=await findHospitalPPE(req.session.userId)
  const user=hospitalUser
  let myProfile=false
  if(user == hospitalUser && user.id == req.session.userId &&
user!=undefined)
    myProfile=true
  res.render('profile', {user, ppes, myProfile})
})

route.get('/hospitals', async (req, res)=>{
  const hospitalList=await findAllHospitals()
  const vendorUser=await vendor.findByPk(req.session.userId)
  const hospitalUser=await hospital.findByPk(req.session.userId)
  const user=vendorUser||hospitalUser
  let vendorFlag=false
  if(user == vendorUser && user!=undefined)
    vendorFlag=true

  res.render('hospital_list', {hospitalList:hospitalList, vendorFlag:vendorFlag
, user:user})
})

route.get('/hospitals/:id', async (req, res)=>{
  const hospitalUser=await hospital.findByPk(req.params.id)
  ppes=await findHospitalPPE(req.params.id)
  const user=hospitalUser
  let myProfile=false
  if(user == hospitalUser && user.id == req.session.userId &&
user!=undefined)
    myProfile=true
  res.render('profile', {user, ppes, myProfile})
})

route.get('/receipt/:hospitalId/:vendorId', async (req, res)=>{
  const {hospitalId, vendorId}=req.params
  let cost=Math.floor(Math.random()*10000)

```

```

const vendorUser=await vendor.findByPk(vendorId)
const hospitalUser=await hospital.findByPk(hospitalId)
const ppes=await findHospitalPPE(hospitalId)

const vendorName=vendorUser.name
const hospitalName=hospitalUser.name
const vendorContact=vendorUser.contact
const hospitalContact=hospitalUser.contact

const receipt=await orderReceipt.create({
  hospitalId:hospitalId,
  vendorId:vendorId,
  vendorName:vendorName,
  hospitalName:hospitalName,
  vendorContact:vendorContact,
  hospitalContact:hospitalContact,
  cost:cost
})

receipt.vendorUser=vendorUser
receipt.hospitalUser=hospitalUser
receipt.ppes=ppes
console.log(receipt)
res.render('payment_reciept',{receipt})
})

module.exports={
  homeRoutes:route
}

}

```

## vendorroute.js

```

const { Router }=require('express')
const { createVendor, findAllVendors, createVendorPPE,findVendorPPE} =
require('../controllers/vendor')
const route=Router()

route.get('/',async (req,res)=>{
  const vendors=await findAllVendors()
  res.status(200).send(vendors)
})

route.post('/registration',async (req,res)=>{
  console.log(req.body)
  const {name,address,contact,email,password}=req.body
  const vendor=await createVendor(name,address,contact,email,password)
  res.redirect('/')
})

let ppes=[]
route.post('/profile/ppe',async (req,res)=>{
  console.log(req.body)
  const {vendorId,name,price}=req.body
  const newPPE=await createVendorPPE(vendorId,name,price)
  ppes.push(newPPE)
})

```

```

        res.send(ppes)
    })

module.exports={
    vendorRoutes:route
}

```

A payment receipt is generated using this program:

```

<html>
  <head>
    <!-- CSS only -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.
css" integrity="sha384-
9aIt2nRpCl2Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYyxFfc+NcPb1dKGj7Sk"
crossorigin="anonymous">

    <!-- JS, Popper.js, and jQuery -->
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js
" integrity="sha384-
OgVRvuATPlz7JjHLkuOU7Xw704+h835Lr+6QL9UvYyZJE3Ipu6Tp75j7Bh/kR0JKI"
crossorigin="anonymous"></script>
    <link
href="https://fonts.googleapis.com/css?family=Roboto|Varela+Round"
rel="stylesheet">
    <link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">

    <style>
      .modal-confirm {
        color: #636363;
        width: 325px;
      }
      .modal-confirm .modal-content {
        padding: 20px;
        border-radius: 5px;
        border: none;
      }
      .modal-confirm .modal-header {
        border-bottom: none;
        position: relative;
      }
      .modal-confirm h4 {
        text-align: center;
        font-size: 26px;
        margin: 30px 0 -15px;

```

```

    }
    .modal-confirm .form-control, .modal-confirm .btn {
        min-height: 40px;
        border-radius: 3px;
    }
    .modal-confirm .close {
        position: absolute;
        top: -5px;
        right: -5px;
    }
    .modal-confirm .modal-footer {
        border: none;
        text-align: center;
        border-radius: 5px;
        font-size: 13px;
    }
    .modal-confirm .icon-box {
        color: #fff;
        position: absolute;
        margin: 0 auto;
        left: 0;
        right: 0;
        top: -70px;
        width: 95px;
        height: 95px;
        border-radius: 50%;
        z-index: 9;
        background: #82ce34;
        padding: 15px;
        text-align: center;
        box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.1);
    }
    .modal-confirm .icon-box i {
        font-size: 58px;
        position: relative;
        top: 3px;
    }
    .modal-confirm.modal-dialog {
        margin-top: 80px;
    }
    .modal-confirm .btn {
        color: #fff;
        border-radius: 4px;
        background: #82ce34;
        text-decoration: none;
        transition: all 0.4s;
        line-height: normal;
        border: none;
    }
    .modal-confirm .btn:hover, .modal-confirm .btn:focus {
        background: #6fb32b;
        outline: none;
    }
    .trigger-btn {
        display: inline-block;
    }
}
</style>
</head>
<body>
    <nav class="navbar sticky top navbar-expand-lg navbar-light"
style="background-color: #58b4ae;">

```

```

        <a class="navbar-brand" href="#">Project सहयोग</a>
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNavAltMarkup" aria-
controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle
navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
            <div class="navbar-nav">
                <a class="nav-item nav-link active" href="/">Home <span
class="sr-only">(current)</span></a>
                <a class="nav-item nav-link" href="#">Features</a>
                <a class="nav-item nav-link" href="#">Pricing</a>
                <a class="nav-item nav-link disabled" href="#" tabindex="-
1" aria-disabled="true">Disabled</a>
            </div>
        </div>
    </nav>
    <div class="container" style="margin: 20px">
        <div class="row">
            <div class="well col-xs-10 col-sm-10 col-md-6 col-xs-
offset-1 col-sm-offset-1 col-md-offset-3">
                <div class="row">
                    <div class="col-xs-6 col-sm-6 col-md-6">
                        <address>

<strong>{{receipt.vendorUser.name}}</strong>
                        <br>
                        {{receipt.vendorUser.address}}
                        <br>
                        <abbr title="Phone">P:</abbr>
                        {{receipt.vendorUser.contact}}
                    </div>
                    <div class="col-xs-6 col-sm-6 col-md-6 text-right">
                        <p>
                            <em>Date: {{receipt.createdAt}}</em>
                        </p>
                        <p>
                            <em>Receipt #:{{receipt.id}}</em>
                        </p>
                    </div>
                </div>
            </div>
            <div class="row">
                <div class="text-center">
                    <h1>Receipt</h1>
                </div>
            </span>
            <table class="table table-hover">
                <thead>
                    <tr>
                        <th>Product</th>
                        <th>#</th>
                        <th class="text-center">Price</th>
                        <th class="text-center">Total</th>
                    </tr>
                </thead>
                <tbody>
                    {{#each receipt.ppes}}
                    <tr>
                        <td class="col-md-

```

```

9"><em>{{this.name}}</em></h4></td>
                                <td class="col-md-1" style="text-align:
center"> {{this.quantity}} </td>
                                <td class="col-md-1 text-
center">$45</td>
                                <td class="col-md-1 text-
center">$26</td>
                                </tr>
                                {{/each}}
                                <tr>
                                    <td> </td>
                                    <td> </td>
                                    <td class="text-right">
<p>
                    <strong>Subtotal: </strong>
</p>
<p>
                    <strong>Tax: </strong>
</p></td>
                                    <td class="text-center">
<p>
                    <strong>$6.94</strong>
</p>
<p>
                    <strong>$6.94</strong>
</p></td>
                                </tr>
                                <tr>
                                    <td> </td>
                                    <td> </td>
                                    <td class="text-
right"><h4><strong>Total: </strong></h4></td>
                                    <td class="text-center text-
danger"><h4><strong>$3242</strong></h4></td>
                                </tr>
                                </tbody>
                                </table>
                                {{!-- <button type="button" class="btn btn-success
btn-lg btn-block">
                                    <a href="#myModal" class="trigger-btn" data-
toggle="modal" style="text-decoration: none; color: white;">Pay
Now</a> <span class="glyphicon glyphicon-chevron-right"></span>
                                    </button></td> --}}
                                </div>
                                </div>
                                </div>
                                </div>
                                <div id="myModal" class="modal fade">
                                    <div class="modal-dialog modal-confirm">
                                        <div class="modal-content">
                                            <div class="modal-header">
                                                <div class="icon-box">
                                                    <i class="material-icons">&#xE876;</i>
                                                </div>
                                                <h4 class="modal-title" style="margin-left:
27%; ">Awesome!</h4>
                                            </div>
                                            <div class="modal-body">
                                                <p class="text-center">Your booking has been
confirmed. Check your email for detials.</p>
                                            </div>

```

```

        <div class="modal-footer">
            <button class="btn btn-success btn-block" data-
dismiss="modal">OK</button>
        </div>
    </div>
</div>
</div>
<br/>
<br/>

<!-- Footer -->
<footer class="page-footer font-small pt-4" style="background-
color: #58b4ae;">

    <!-- Footer Links -->
    <div class="container-fluid text-center text-md-left">

        <!-- Grid row -->
        <div class="row">

            <!-- Grid column -->
            <div class="col-md-6 mt-md-0 mt-3">

                <!-- Content -->
                <h5 class="text-uppercase">Footer Content</h5>
                <p>Here you can use rows and columns to organize your
footer content.</p>

            </div>
            <!-- Grid column -->

            <hr class="clearfix w-100 d-md-none pb-3">

            <!-- Grid column -->
            <div class="col-md-3 mb-md-0 mb-3">

                <!-- Links -->
                <h5 class="text-uppercase">Links</h5>

                <ul class="list-unstyled">
                    <li>
                        <a href="#">Link 1</a>
                    </li>
                    <li>
                        <a href="#">Link 2</a>
                    </li>
                    <li>
                        <a href="#">Link 3</a>
                    </li>
                    <li>
                        <a href="#">Link 4</a>
                    </li>
                </ul>

            </div>
            <!-- Grid column -->

            <!-- Grid column -->
            <div class="col-md-3 mb-md-0 mb-3">

                <!-- Links -->

```

```

<h5 class="text-uppercase">Links</h5>

<ul class="list-unstyled">
  <li>
    <a href="#">Link 1</a>
  </li>
  <li>
    <a href="#">Link 2</a>
  </li>
  <li>
    <a href="#">Link 3</a>
  </li>
  <li>
    <a href="#">Link 4</a>
  </li>
</ul>

</div>
<!-- Grid column -->

</div>
<!-- Grid row -->

</div>
<!-- Footer Links -->

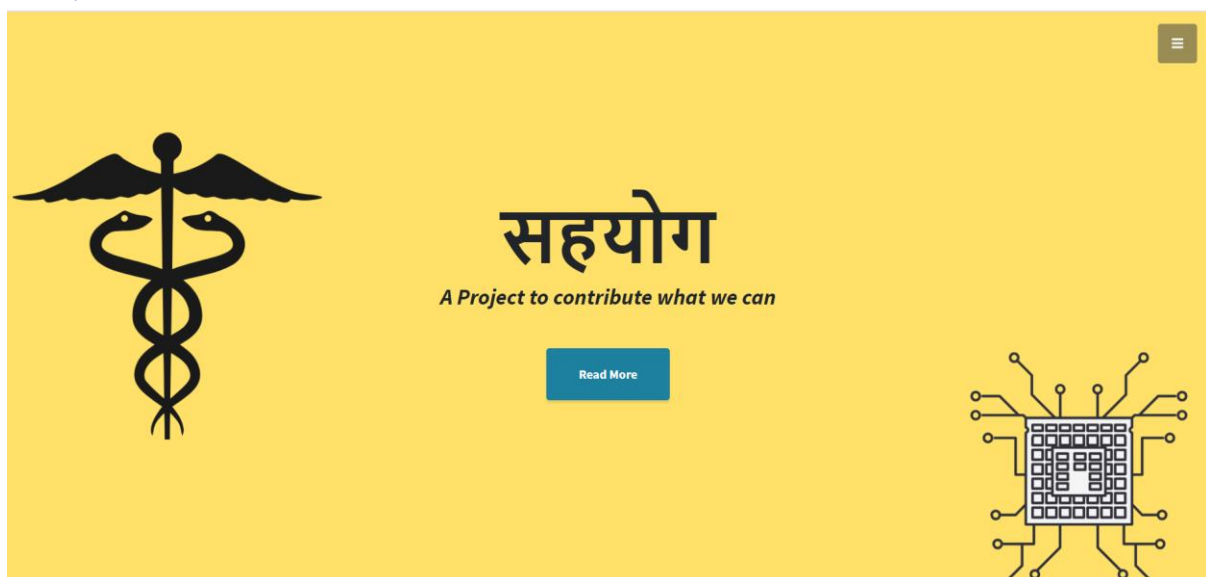
<!-- Copyright -->
<div class="footer-copyright text-center py-3">© 2020
Copyright:
  <a href="https://mdbootstrap.com/"> MDBootstrap.com</a>
</div>
<!-- Copyright -->

</footer>
<!-- Footer -->

</body>
</html>

```

Output:





Register

Request for a account. It's free and only takes a minute.

Name of Institution

Email

Password

Confirm Password

Hospital

Address

Contact


☐ I accept the [Terms of Use & Privacy Policy](#)

Register Now

Project सहयोग

Features Pricing The Social Network(coming soon!)

Hello



Profile

Joined

Fri Oct 23 2020 16:01:22 GMT+0530 (India Standard Time)

Last seen

Today

Real name

Hello

Home Messages Settings

PPE Name

Quantity

ADD

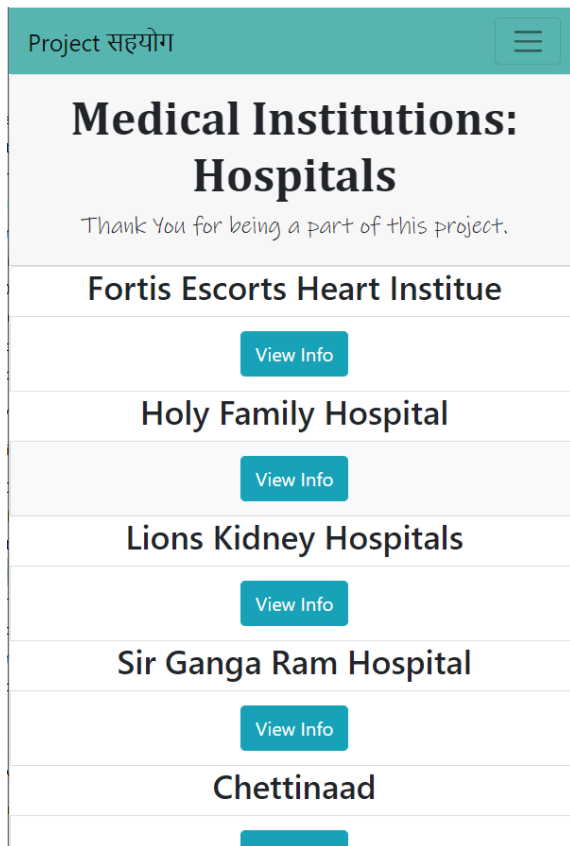
#

PPE

QUANTITY

Website

<https://bootdey.com>



## OTP generation

OTP is generated using the messagebird api. The following is the implementation.

### index.js

```
//load dependencies
var express = require('express');
var exphbs = require('express-handlebars');
var bodyParser = require('body-parser');

//load and initialize message bird SDK
var messagebird = require('messagebird')('test_gshuPaZoeEG6ovbc8M79w0QyM');
// setup Express framework
var app=express();
app.engine('handlebars', exphbs({defaultLayout: 'main'}));
app.set('view engine', 'handlebars');
app.use(bodyParser.urlencoded({extended: true}));
//display page to ask user for phone number
app.get("/", function (req, res){
    res.render('step1');
```

```

});

//handle phone number submission
app.post('/step2', function (req,res){
    var number = req.body.number;

    //verify
    messagebird.verify.create(number, {
        template : "Your verification code is %token."
    }, function (err, response){
        if (err){
            //failed request
            console.log(err);
            res.render('step1', {
                error: err.errors[0].description,
            });
        }else {
            //successful request
            console.log(response);
            res.render('step2' ,{
                id : response.id
            });
        }
    });
});

//token verification
app.post('/step3', function(req,res){
    var id = req.body.id;
    var token = req.body.token;
    //make request to api
    messagebird.verify.verify(id,token,function (err,response){
        if(err){
            res.render('step2', {
                error : err.errors[0].description,
                id : id
            });
        }
        else{
            res.render('step3');
        }
    });
});

app.listen(8080);

```

## Package.json

```

{
  "name": "node-messagebird-verify-example",
  "main": "index.js",
  "dependencies": {
    "express": "^4.17.1",
    "express-handlebars": "^5.2.0",
    "body-parser": "^1.19.0",
    "messagebird": "^3.5.0"
  }
}

```

## Main.handlebars

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>OTP verification</title>
</head>
<body>
<h1>Message</h1>
{{{body}}}
</body>
</html>
```

## Step1.handlebars

```
{{#if error}}
  <p>{{error}}</p>
{{/if}}
<p>Please enter your phone number</p>
<form method = 'post' action="/step2">
  <input type="tel" name="number">
  <input type="submit" value="Send code">
</form>
```

## Step2.handlebars

```
{{#if error}}
  <p>{{error}}</p>
{{/if}}
<p>We have sent you a verification code!</p>
<p>Please enter the code here: </p>
<form method="post" action="/step3">
  <input type="hidden" name="id" value="{{id}}">
  <input type="text" name="token">
  <input type="submit" value="Check code">
</form>
```

## Step3.handlebars

```
<p>You have successfully verified your phone number.</p>
```

Database looks like:

DB Browser for SQLite - C:\Users\Nitin\Documents\GitHub\Sahyog\hackathon.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL

Table: hospitals Filter in any column

	id	name	address	contact	email	password	createdAt	updatedAt
1	1	Fortis Escorts Heart Institute	Okhla road, Sukhdev Vihar Metro ...	9898765876	fortis@gmail.com	fortis	2020-06-21 11:35:28.809 +00:00	2020-06-21 11:35:28.809 +00:00
2	2	Holy Family Hospital	Okhla Rd Open 24 hours · 011 2684 ...	9897656785	holy@gmail.com	holy	2020-06-21 11:38:10.405 +00:00	2020-06-21 11:38:10.405 +00:00
3	3	Lions Kidney Hospitals	Ashoka Park Rd, Opp B Block Open 2...	9879765678	lions@gmail.com	lions	2020-06-21 11:39:18.216 +00:00	2020-06-21 11:39:18.216 +00:00
4	4	Sir Ganga Ram Hospital	Sarhadi Gandhi Marg, Old Rajinder ...	9897658765	ganga@gmail.com	ganga	2020-06-21 11:44:48.127 +00:00	2020-06-21 11:44:48.127 +00:00
5	5	Chettinaad	14, VIT	12345	chetticheeti@chetti.com	123	2020-09-24 05:18:30.480 +00:00	2020-09-24 05:18:30.480 +00:00
6	6	VIT Hospital	14, VIT, Vellore	12345678	ranjannm.999@gmail.com	vit	2020-09-24 11:49:36.400 +00:00	2020-09-24 11:49:36.400 +00:00

## Special Orders using ajax:

If one of the parties has any special need to fulfil, it can upload the required file in the server, which can be mailed to the other party if the first party accepts. This code is written in Ajax and php.

localhost/index.php

Project Sahyog: Special Request File Delivery

File:  No file chosen

Send to:

Project Sahyog

## index.php

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Project Sahyog Special Request</title>

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

<script language="javascript" type="text/javascript">

<!--

function startUpload(){

    document.getElementById('f1_upload_process').style.visibility = 'visible';

    document.getElementById('f1_upload_form').style.visibility = 'hidden';

    return true;

}

function stopUpload(success){

    var result = "";

    if (success == 1){

        result = '<span class="msg">The file was uploaded successfully!</span><br/><br/>';

    }

    else {

        result = '<span class="emsg">There was an error during file upload!</span><br/><br/>';

    }

    document.getElementById('f1_upload_process').style.visibility = 'hidden';

    document.getElementById('f1_upload_form').innerHTML = result + '<label>File: <input
name="myfile" type="file" size="30" /></label><label><input type="submit" name="submitBtn"
class="sbtn" value="Upload" /></label>';

    document.getElementById('f1_upload_form').style.visibility = 'visible';

    return true;

}

//-->

</script>

</head>

<body>

```

```

<div id="container">

    <div id="header"><div id="header_left"></div>

        <div id="header_main">Project Sahyog: Special Request File Delivery</div><div
id="header_right"></div></div>

        <div id="content">

            <form action="upload.php" method="post" enctype="multipart/form-data"
target="upload_target" onsubmit="startUpload();" >

                <p id="f1_upload_process">Loading...<br/><br/></p>

                <p id="f1_upload_form" align="center"><br/>

                    <label>File:

                        <input name="myfile" type="file" size="30" />

                    </label><br><br>

                                <label>

                                    Send to:

                                        <input name="reciever" type="email">

                                    </label><br><br>

                                <label>

                                    <input type="submit" name="submitBtn" class="sbtn" value="Upload" />

                                </label>

                            </p>

                                <iframe id="upload_target" name="upload_target" src="#"
style="width:0;height:0;border:0px solid #fff;"></iframe>

                            </form>

                        </div>

                    <div id="footer">Project Sahyog</div>

                </div>

</body>

Upload.php

<?php

    // Edit upload location here

```

```
$destination_path = getcwd().DIRECTORY_SEPARATOR;
```

```
$result = 0;
```

```
$target_path = $destination_path . basename( $_FILES['myfile']['name']);
```

```
if(@move_uploaded_file($_FILES['myfile']['tmp_name'], $target_path)) {
```

```
    $result = 1;
```

```
}
```

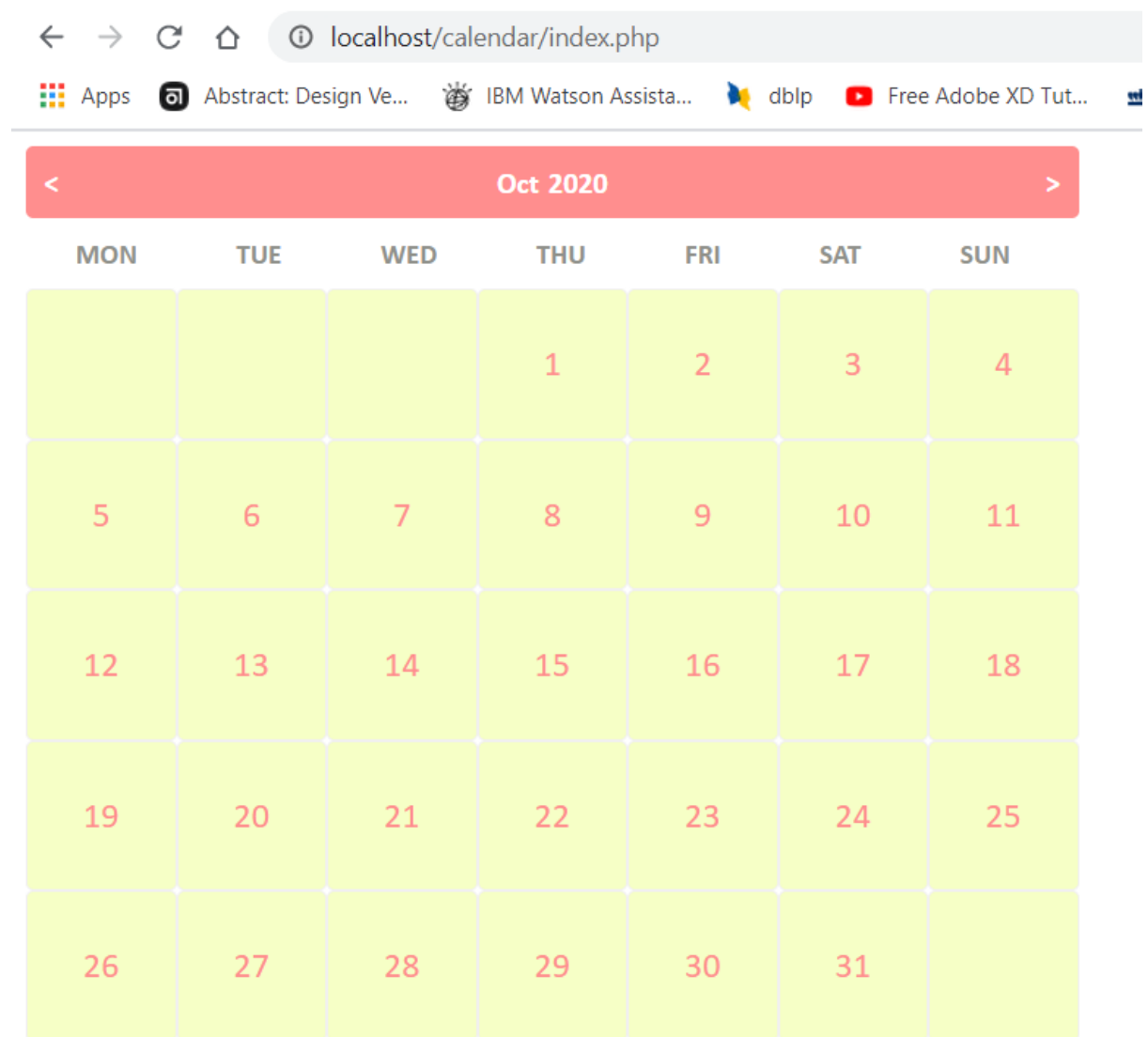
```
sleep(1);
```

```
?>
```

```
<script language="javascript" type="text/javascript">window.top.window.stopUpload(<?php echo  
$result; ?>);</script>
```



## Calendar using ajax



### index.php

```
<?php
```

```
require_once 'class.calendar.php';
```

```
$phpCalendar = new PHPCalendar ();
```

```
?>
```

```
<html>
```

```
<head>
```

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

```

<title>PHP Calendar</title>

</head>

<body>

<div id="body-overlay"><div></div></div>

<div id="calendar-html-output">

<?php
$calendarHTML = $phpCalendar->getCalendarHTML();
echo $calendarHTML;
?>

</div>

<script src="jquery-1.11.2.min.js" type="text/javascript"></script>

<script>
$(document).ready(function(){
    $(document).on("click", '.prev', function(event) {
        var month = $(this).data("prev-month");
        var year = $(this).data("prev-year");
        getCalendar(month,year);
    });
    $(document).on("click", '.next', function(event) {
        var month = $(this).data("next-month");
        var year = $(this).data("next-year");
        getCalendar(month,year);
    });
});

```

```

$(document).on("blur", '#currentYear', function(event) {
    var month = $('#currentMonth').text();
    var year = $('#currentYear').text();
    getCalendar(month,year);
});

});

function getCalendar(month,year){
    $("#body-overlay").show();
    $.ajax({
        url: "calendar-ajax.php",
        type: "POST",
        data:'month='+month+'&year='+year,
        success: function(response){
            setInterval(function() {$("#body-
overlay").hide(); },500);
            $("#calendar-html-output").html(response);
        },
        error: function(){}
    });
}

</script>
</body>
</html>

```

## **class.calendar.php**

<?php

class PHPCalendar {

    private \$weekDayName = array  
    ("MON","TUE","WED","THU","FRI","SAT","SUN");

    private \$currentDay = 0;

    private \$currentMonth = 0;

    private \$currentYear = 0;

    private \$currentMonthStart = null;

    private \$currentMonthDaysLength = null;

    function \_\_construct() {

        \$this->currentYear = date ( "Y", time () );

        \$this->currentMonth = date ( "m", time () );

        if (! empty ( \$\_POST ['year'] )) {

            \$this->currentYear = \$\_POST ['year'];

        }

        if (! empty ( \$\_POST ['month'] )) {

            \$this->currentMonth = \$\_POST ['month'];

        }

        \$this->currentMonthStart = \$this->currentYear . '-' . \$this->currentMonth . '-01';

        \$this->currentMonthDaysLength = date ( 't', strtotime  
        ( \$this->currentMonthStart ) );

```
}
```

```
function getCalendarHTML() {  
    $calendarHTML = '<div id="calendar-outer">';  
    $calendarHTML .= '<div class="calendar-nav">' . $this->getCalendarNavigation() . '</div>';  
    $calendarHTML .= '<ul class="week-name-title">' . $this->getWeekDayName () . '</ul>';  
    $calendarHTML .= '<ul class="week-day-cell">' . $this->getWeekDays () . '</ul>';  
    $calendarHTML .= '</div>';  
    return $calendarHTML;  
}
```

```
function getCalendarNavigation() {  
    $prevMonthYear = date ( 'm,Y', strtotime ( $this->currentMonthStart . ' -1 Month' ) );  
    $prevMonthYearArray = explode("",$prevMonthYear);  
  
    $nextMonthYear = date ( 'm,Y', strtotime ( $this->currentMonthStart . ' +1 Month' ) );  
    $nextMonthYearArray = explode("",$nextMonthYear);  
  
    $navigationHTML = '<div class="prev" data-prev-month="" . $prevMonthYearArray[0] . "" data-prev-year = "" . $prevMonthYearArray[1]. ""></div>';
```

```
$navigationHTML .= '<span id="currentMonth">' . date  
( 'M', strtotime ( $this->currentMonthStart ) ) . '</span>';
```

```
$navigationHTML .= '<span contenteditable="true"  
id="currentYear" style="margin-left:5px">' . date ( 'Y', strtotime  
( $this->currentMonthStart ) ) . '</span>';
```

```
$navigationHTML .= '<div class="next" data-next-  
month="" . $nextMonthYearArray[0] . "" data-next-year = "" .  
$nextMonthYearArray[1]. "">></div>';
```

```
return $navigationHTML;
```

```
}
```

```
function getWeekDayName() {
```

```
    $WeekDayName= "";
```

```
    foreach ( $this->weekDayName as $dayname ) {
```

```
        $WeekDayName.= '<li>' . $dayname . '</li>';
```

```
    }
```

```
    return $WeekDayName;
```

```
}
```

```
function getWeekDays() {
```

```
    $weekLength = $this->getWeekLengthByMonth ();
```

```
    $firstDayOfTheWeek = date ( 'N', strtotime ( $this-  
>currentMonthStart ) );
```

```
    $weekDays = "";
```

```
    for($i = 0; $i < $weekLength; $i ++) {
```

```

        for($j = 1; $j <= 7; $j ++){
            $cellIndex = $i * 7 + $j;
            $cellValue = null;
            if ($cellIndex == $firstDayOfTheWeek) {
                $this->currentDay = 1;
            }
            if (! empty ( $this->currentDay ) && $this->currentDay <= $this->currentMonthDaysLength) {
                $cellValue = $this->currentDay;
                $this->currentDay ++;
            }
            $weekDays .= '<li>' . $cellValue . '</li>';
        }
    }
    return $weekDays;
}

function getWeekLengthByMonth() {
    $weekLength = intval ( $this->currentMonthDaysLength /
7 );
    if($this->currentMonthDaysLength % 7 > 0) {
        $weekLength++;
    }
    $monthStartDay= date ( 'N', strtotime ( $this->currentMonthStart) );

```

```

        $monthEndingDay= date ( 'N', strtotime ( $this-
>currentYear . '-' . $this->currentMonth . '-' . $this-
>currentMonthDaysLength) );

        if ($monthEndingDay < $monthStartDay) {

            $weekLength++;

        }

        return $weekLength;

    }

}

?>

```

### **calendar-ajax.php**

```

<?php

require_once 'class.calendar.php';

$phpCalendar = new PHPCalendar ();

$calendarHTML = $phpCalendar->getCalendarHTML();

echo $calendarHTML;

?>

```

### **Conclusion:**

The project is a solution to the now depleted supply chain mechanism during the COVID-19 lockdown. And we have created this project in the view of CSE3002 Project for Fall Semester 2020– '21.