VIT UTILITY SYSTEM

INDEX

Abstract

Students of any institution are so much involved in their daily life works, assignments and projects that they are not able to manage their time properly. So in order to reduce the stress of time management and providing the students with the basic needs required in a hostel we have designed a VIT Utility System for our institution.

The System provides the students present within the campus of VIT to access the website which contains various modules including library management system which can help a student to access the library from his own laptop and search for books, paying fine and updating their details regarding the books they have issued.

The website also includes a food ordering module which is being provided so that the students do not need to travel for food.

It also includes the taxi booking system along with the proctor approval form option available in the website as they face various problems at the time of travelling to airport and railway stations at the time of leaving due to non-availability of taxi at a reasonable cost during semester break.

The last module of the website is related to the events being organized in our campus so that students are always aware of the future events along with a reminder option if they are going to register under an event.

With the help of the system the student is able to access various modules required for him / her in their daily life and at some particular instant so that they don't miss anything important due to their busy schedule.

1. Introduction

1.1 **General**

Engineers are the creators of future and it depends on their skills and knowledge set that affects the economy and development of a nation. But in order to improve their skill set they should be able to concentrate in their particular fields and be the one behind the new innovation. Our system helps a student to manage their time efficiently and effectively so that they could produce or convert their remaining time for producing something beneficial for society. The system consists of library management module, food ordering module, taxi booking system, event registration system.

1.2 Motivation

To avoid the level of stress and pressure on the brains of students in an institution so that they could focus on their projects and studies, we have tried to provide a platform with certain amenities so they don't need to waste their time on such basic requirements. Along with this the motivation of our project is based on the facts like due to the burdens of studies along with other co-curricular activities the students are suffering from depression leading to migraine, intake of drugs-alcohol and worst scenarios occur in the form of suicides due to mental stress .

Every hour a student commits suicide in our nation thus to avoid such scenarios every institution should try to provide the basic requirements at one place and since we are living in a technological world nothing is much better than having an institution apps that could help students to access these basic things.

2. Overview of project

EXISTING SYSTEM:

Right now our institution does not provide a website where all the amenities we are providing in our website is available. This creates a lot of time management issues and mental along with peer pressure among students.

PROPOSED SYSTEM:

Our website consists of four modules regarding library, food, taxi and event registration system. The students can access this website and choose the system according to the requirements through their registration number and password.

It will help the students to get things at a fair price and even to save their time.

3. System Requirements

Brief Introduction:

The system help a student to access the website to get the basic amenities at one place and help them saving their time, money and resources.

Functional Requirements:

1. The website system should have a database linked to the college database system.

2. All the information need to be updated according to the change in details by the users.

3. The website development should be done in php coding as the server side language.

Non-functional requirements:

1. The website is accessible only to the students of VIT University.

2. The student needs to enter their given registration numbers along with the passwords given by the institution.

3. The website should be available 24X7 for the students.

4. System Details

## 4.1 Login Page and Library System

LOGIN PAGE

This page allows us to login to the website using our email-id and password. Moreover, if you have not registered for the website, you can register through your V.I.T. email address. Also, this page gives us a brief information about our university, and also provides social website links of our university. When a person registers, the database is checked with existing account with that mail-id. The account is created and the person can login later. It also offers the forget password link through which person can reset his password if he forgot the password.
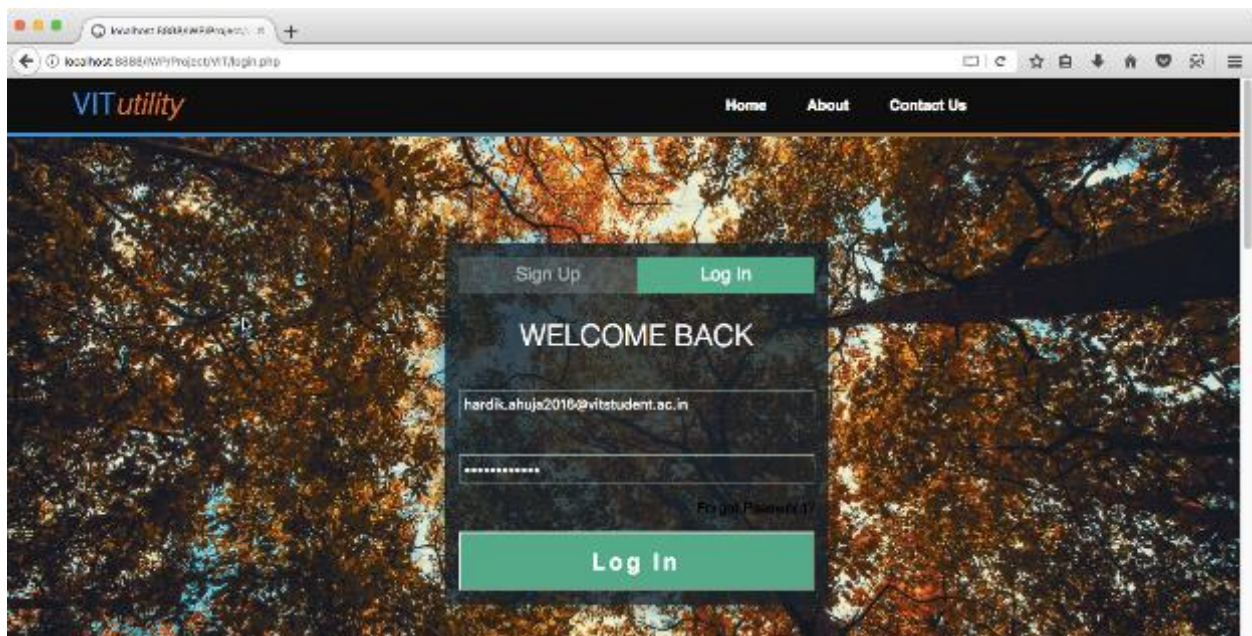

DASHBOARD

This page offers us with more functions of our websites. This page also contains a top navbar through which you can easily logout and view our profile. By this page, you can visit different pages of our website such as:- • Payment Gateway • Library • Taxi Booking • Restaurant Table Reservation • Event Manager
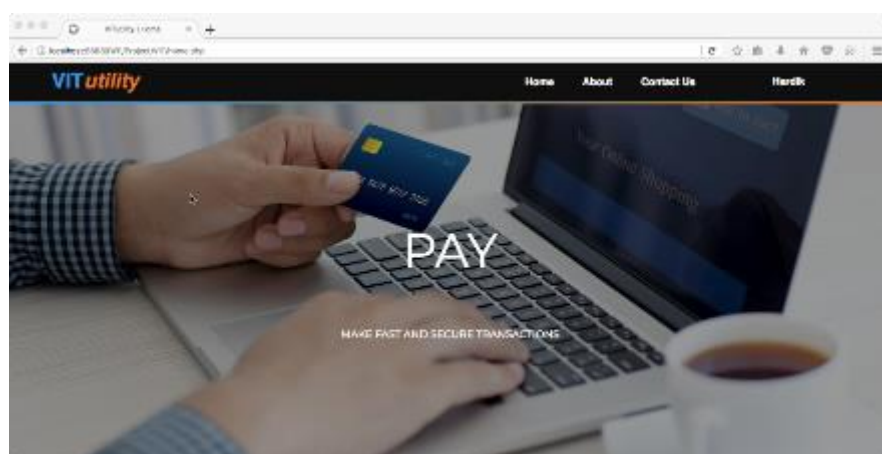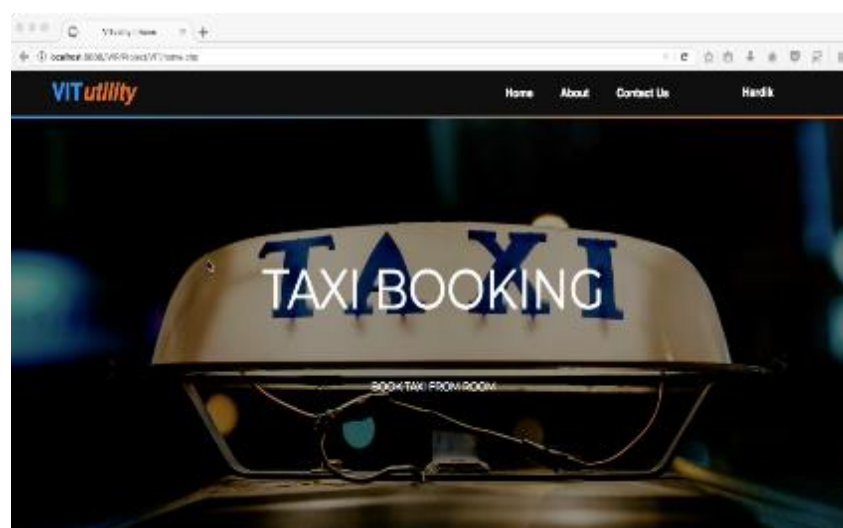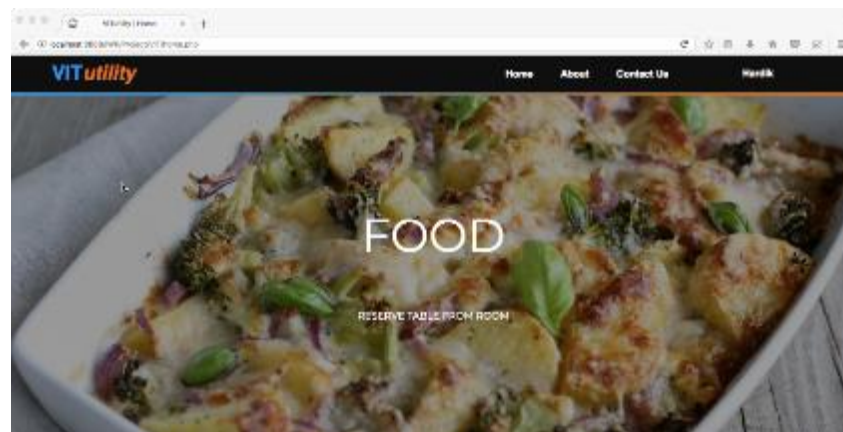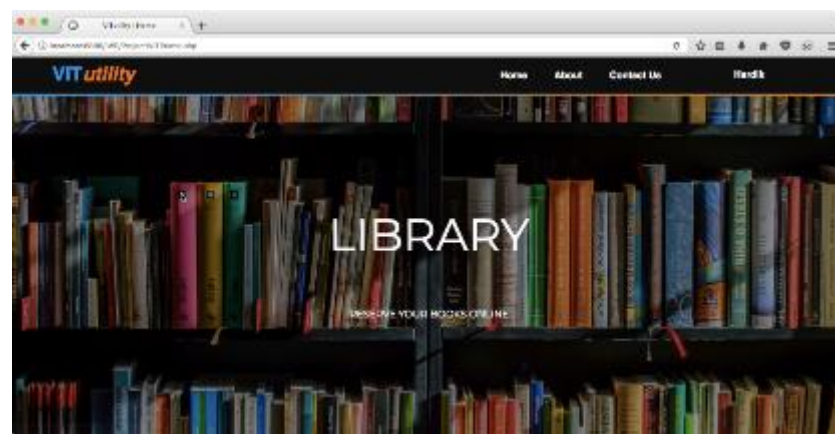
LIBRARY

It contains a list of all the books in our library database. It also allows to search the book by author and title. One can reserve books for later issuing using this feature. But once a book is reserved, it will automatically be unreserved the next day if not issued. Also a student can reserve at most 2 books. He / She can also view the list of reserved books by other person and reserve them once they return the book.
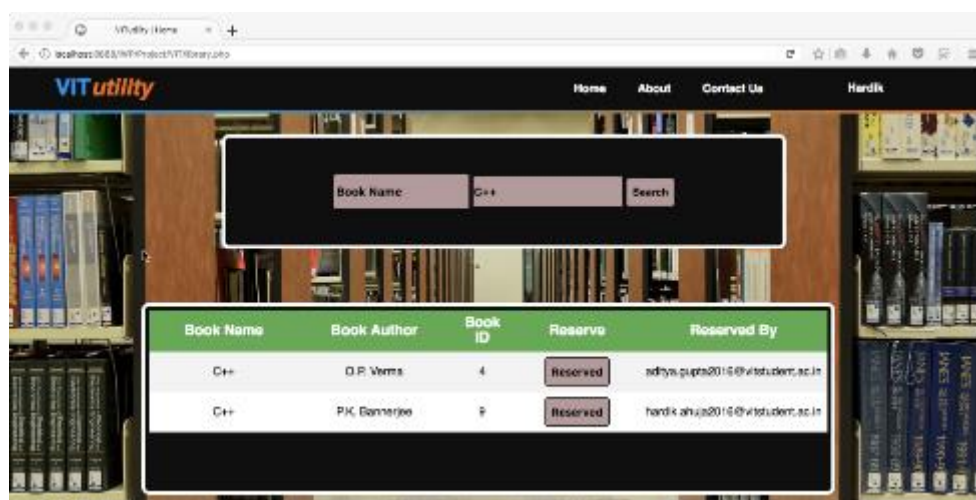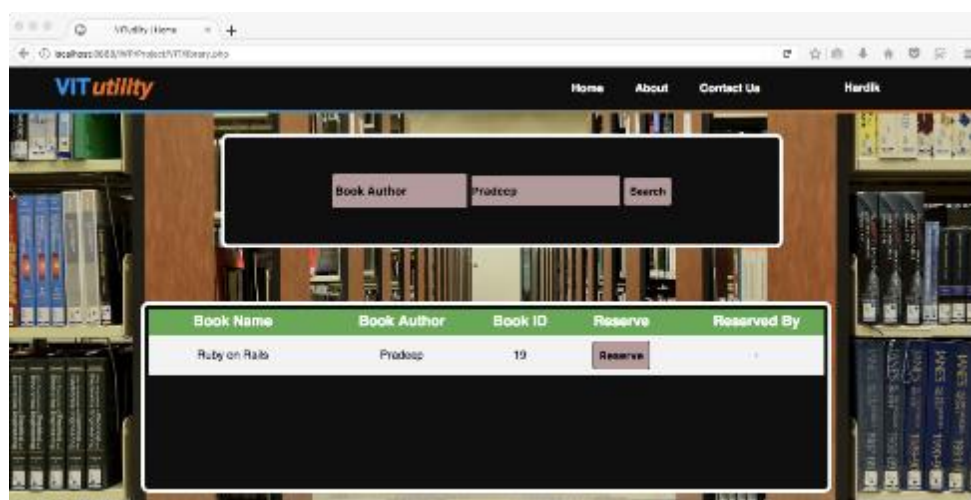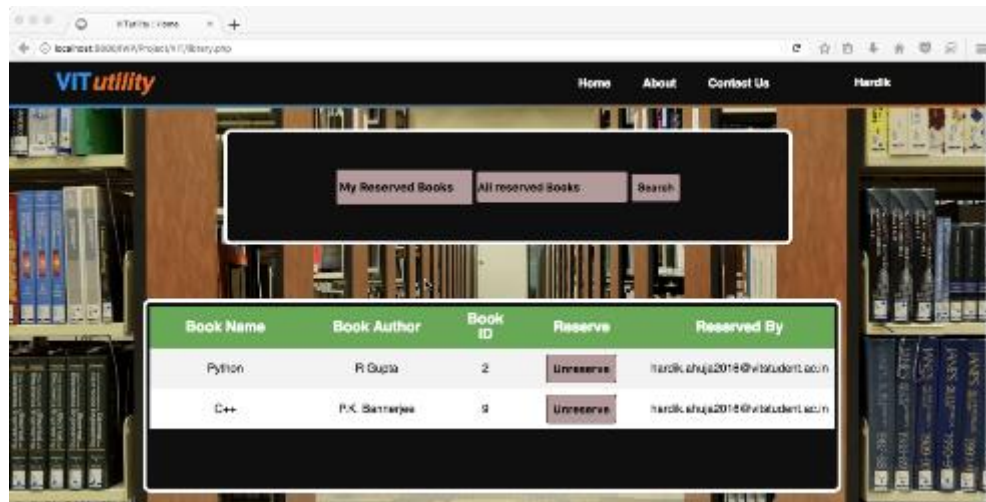
4.2 RESTAURANT TABLE BOOKING SYSTEM

chef.php

The purpose of the webpage is:
i. To showcase the variety of food a customer can choose from, i.e. menu;
ii.   Display details about the food outlet;
iii. Location on map;
iv. A form through which the customer can book a table.
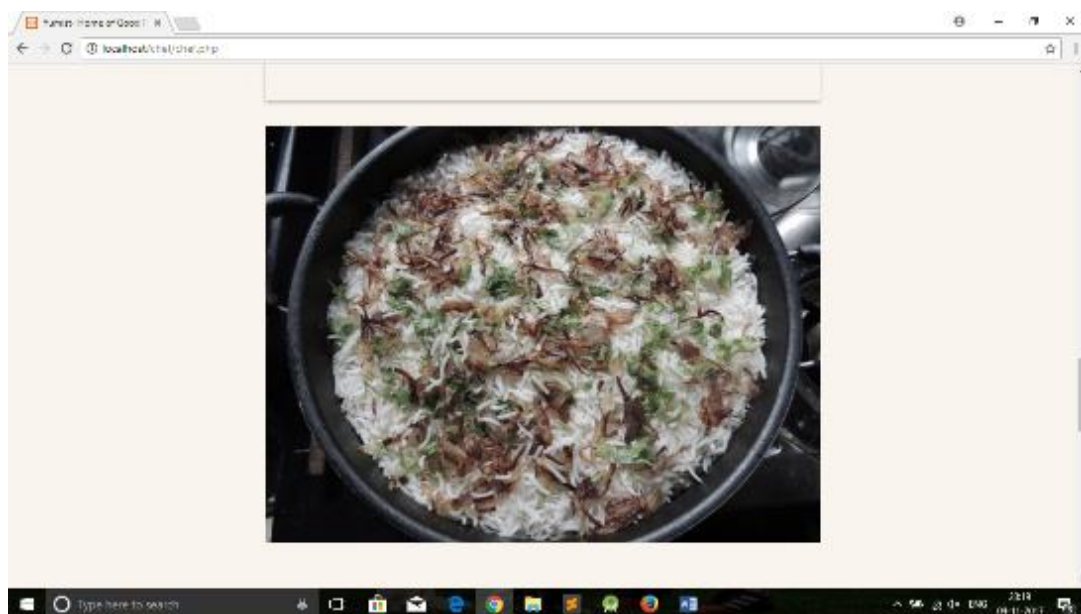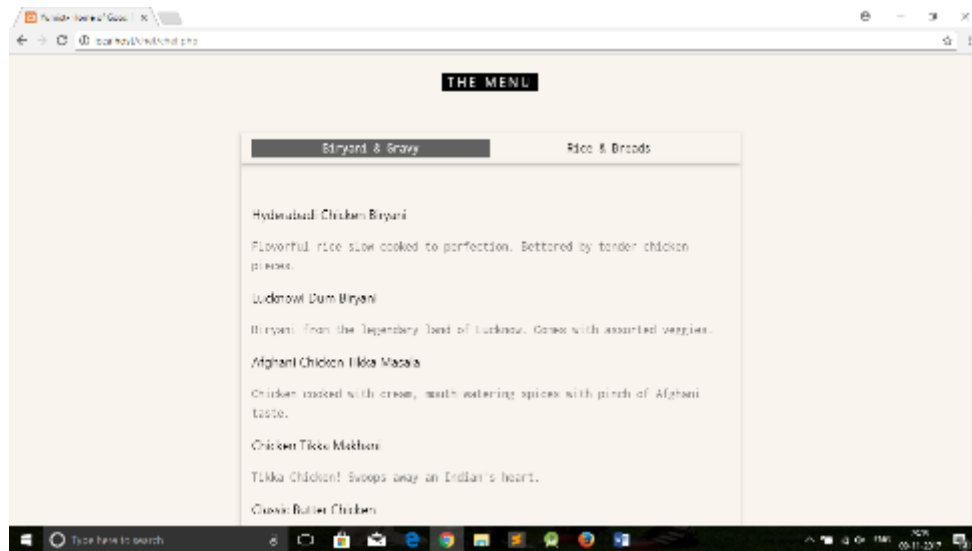
review_food.php
Retrieves values from the chef.php's form and confirms a table booking. Displays the details of the filled form. Also has a 'Back to our Website' button.
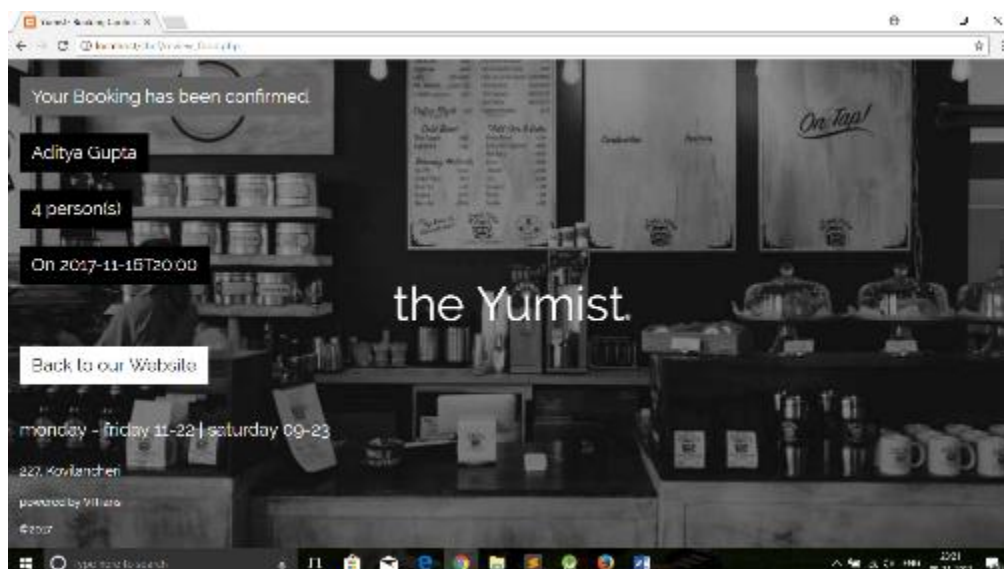
4.3 TAXI BOOKING SYSTEM

The taxi booking system consists of:

Registration page:

It contains various forms along with form validation .If a user is going to enter a registered email id it will give an alert the email is already registered else you have been registered
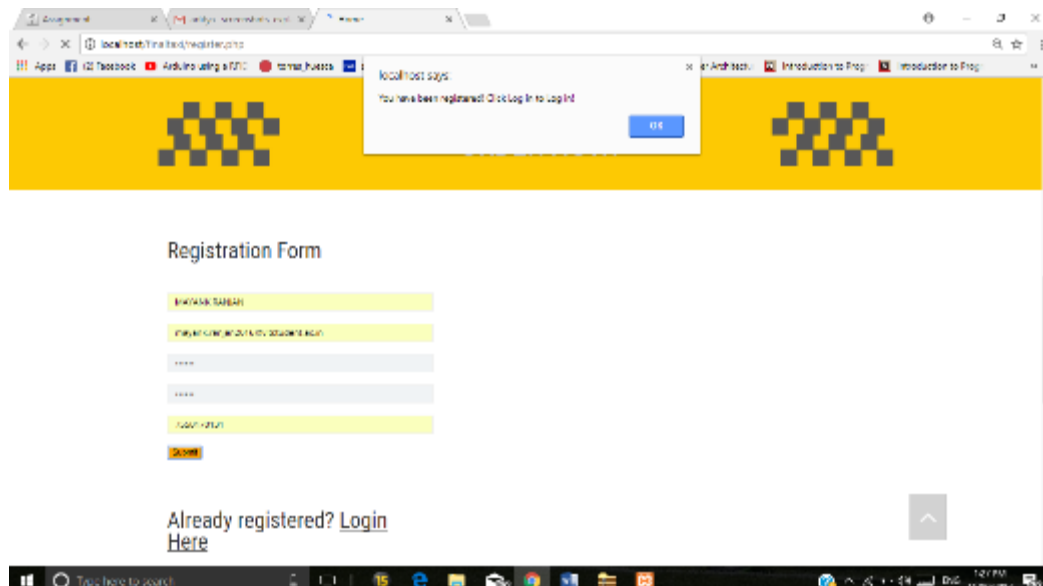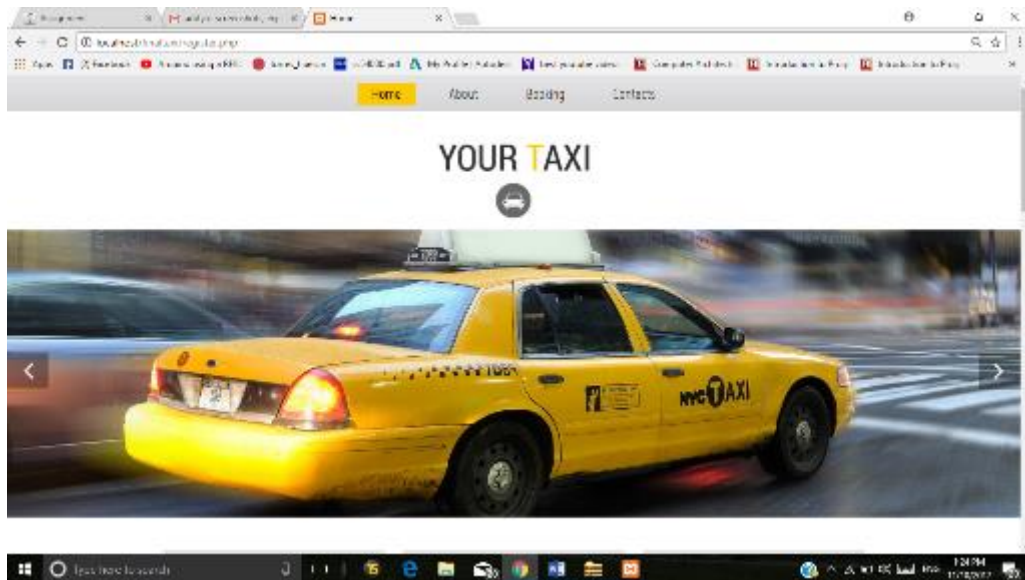
Login Page:

If the login id or password is not correct it will pop up the login password is invalid else the link for booking will open
Else the booking page link will be displayed(below 2nd picture)
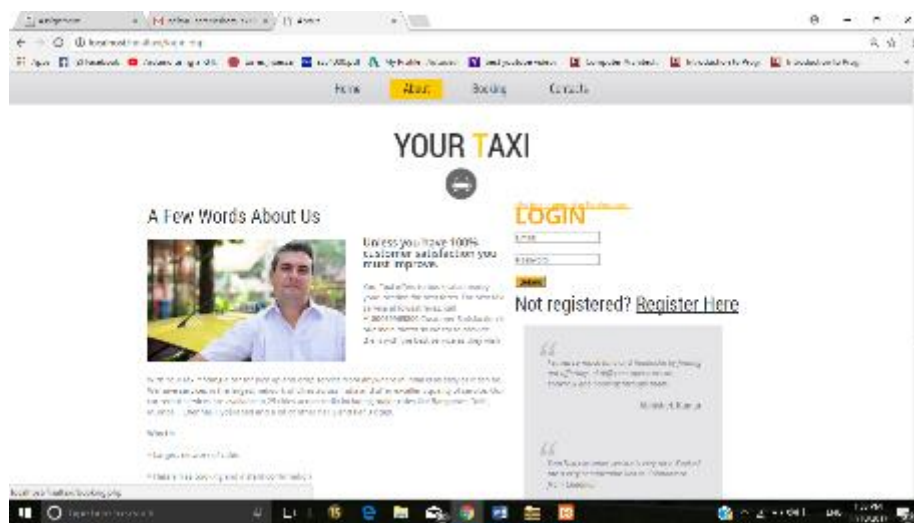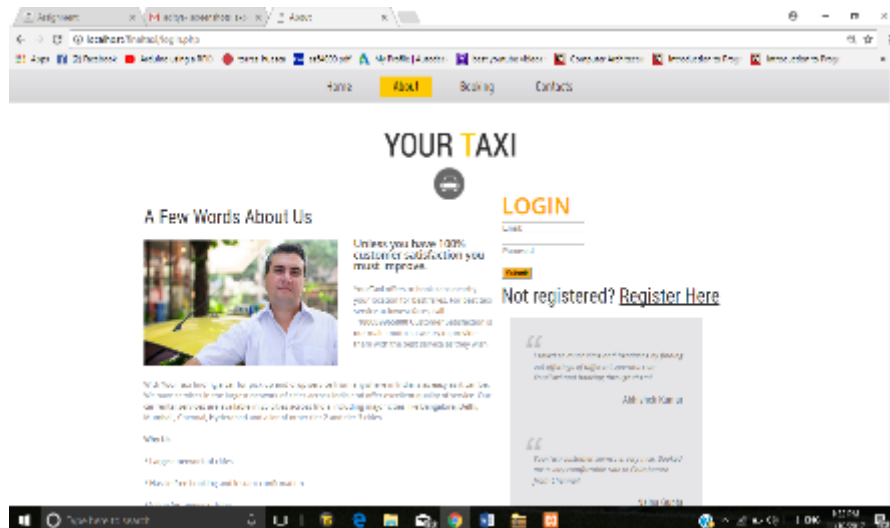
BOOKING PAGE

The booking page contains various forms with form validation and after clicking on the submit button the page will display your details of travelling and mail u on ur mail address about the details.
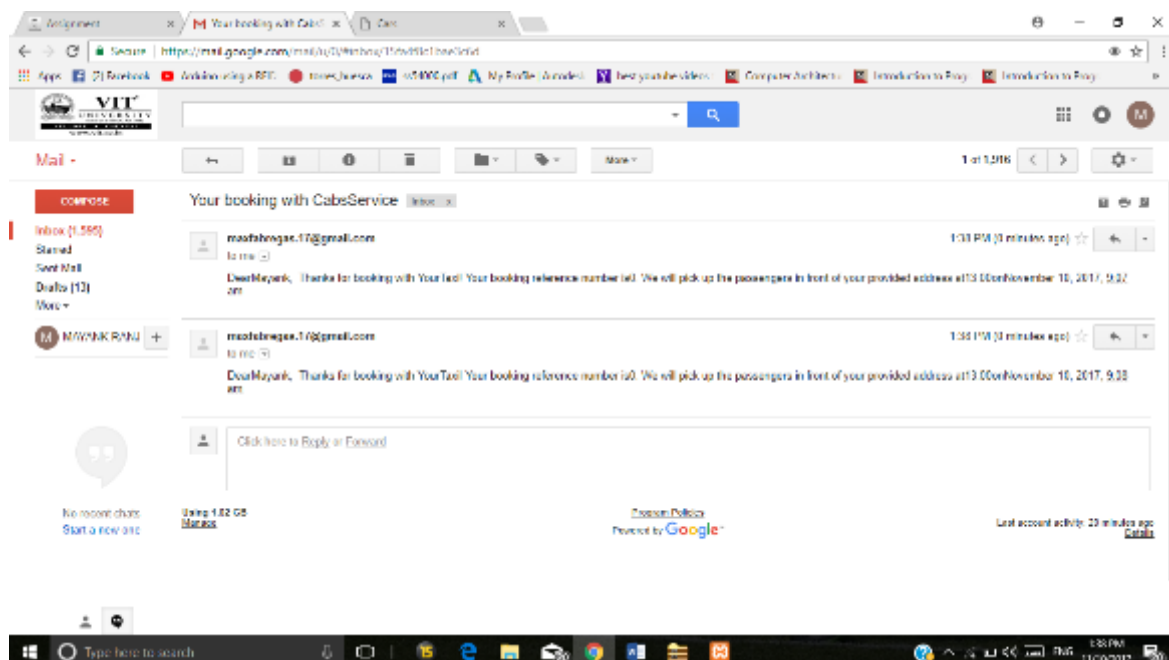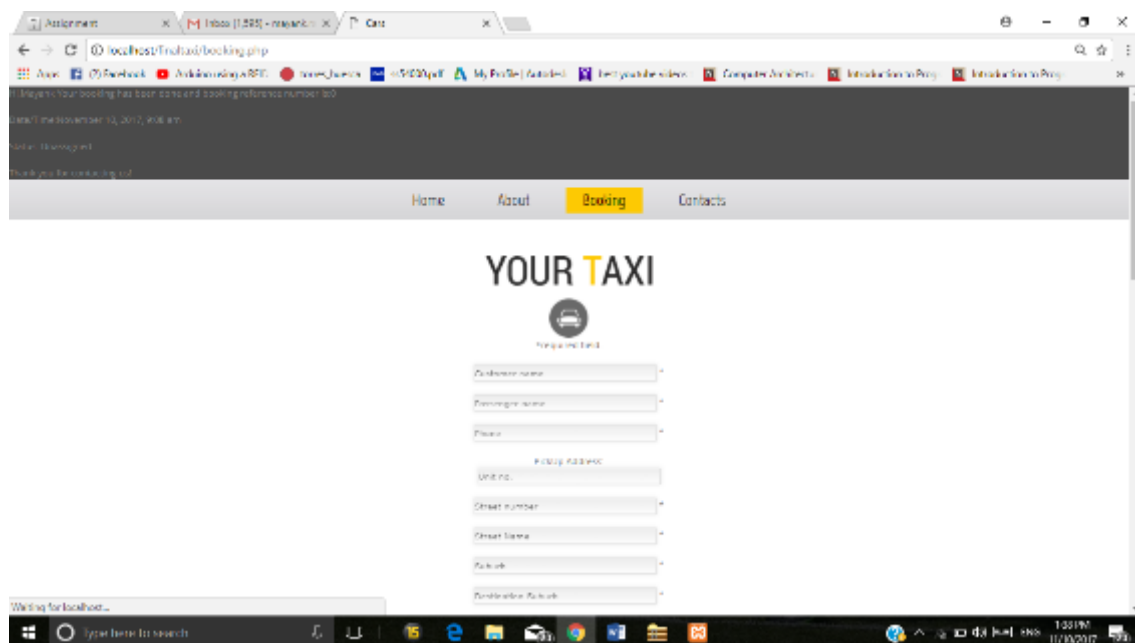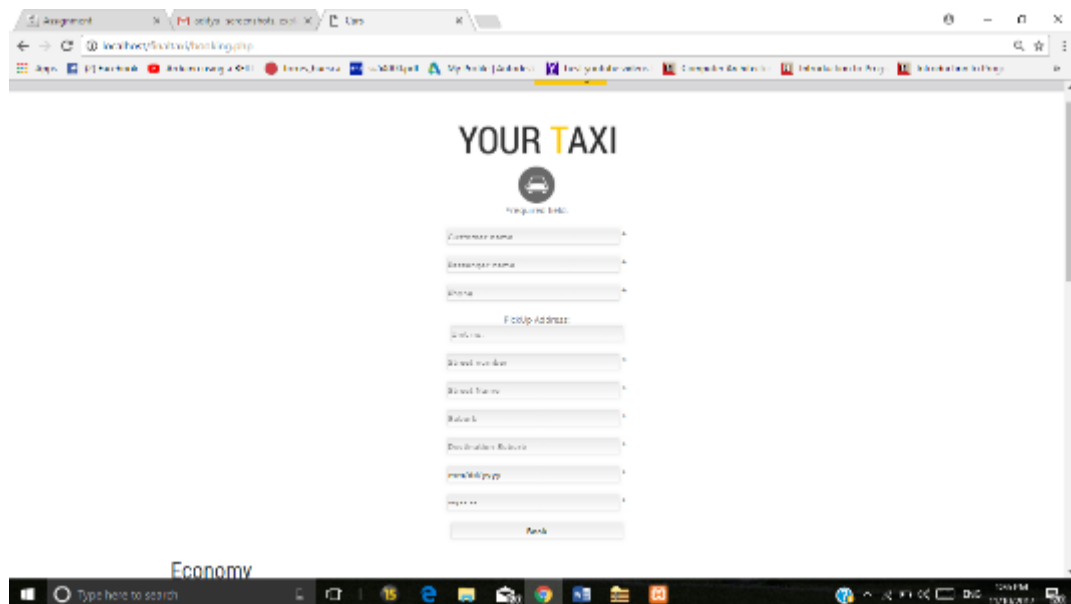
CONTACT PAGE

This page contains the details of the YourTaxi services and map will show the location of the firm. It also contains the proctor approval form and it will display the approval form submitted after clicking the button of submit.
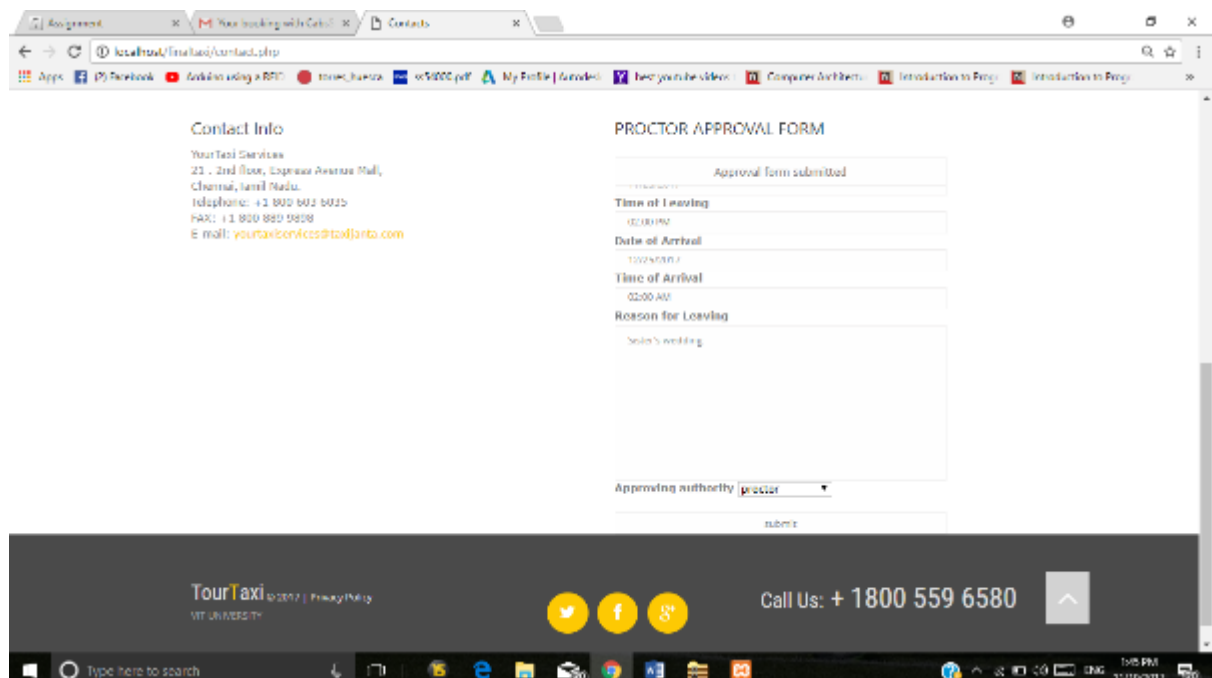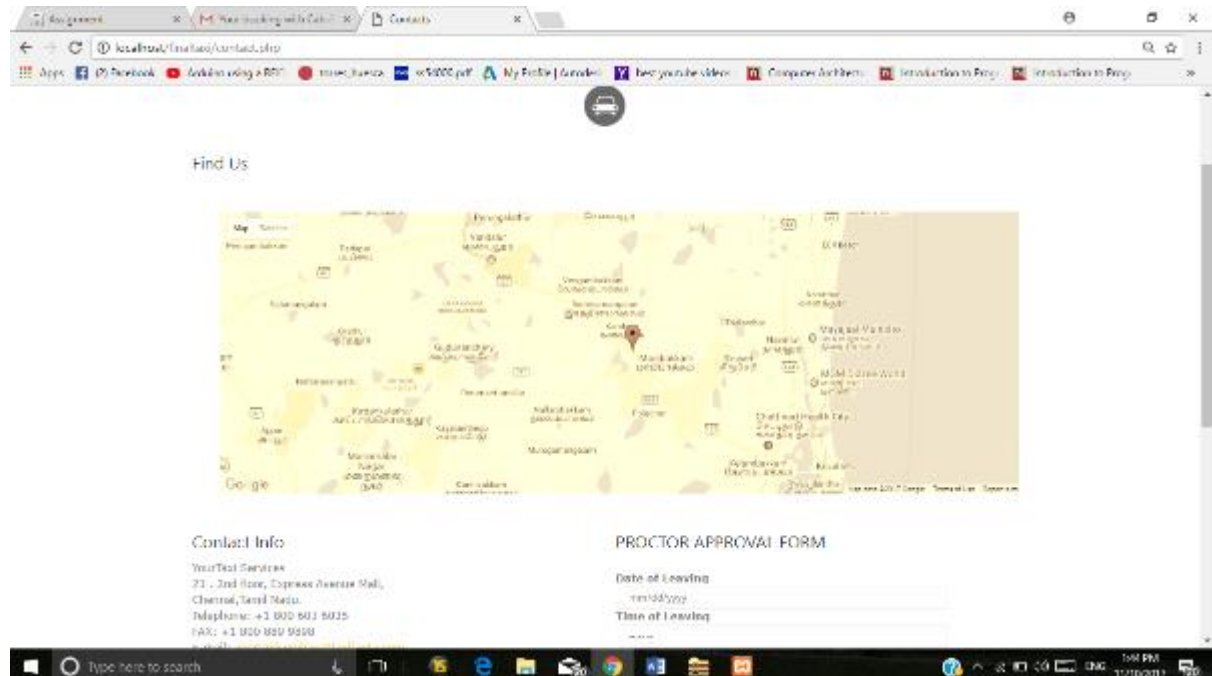
4.4 Events Management System
VIT EVENT MANAGER
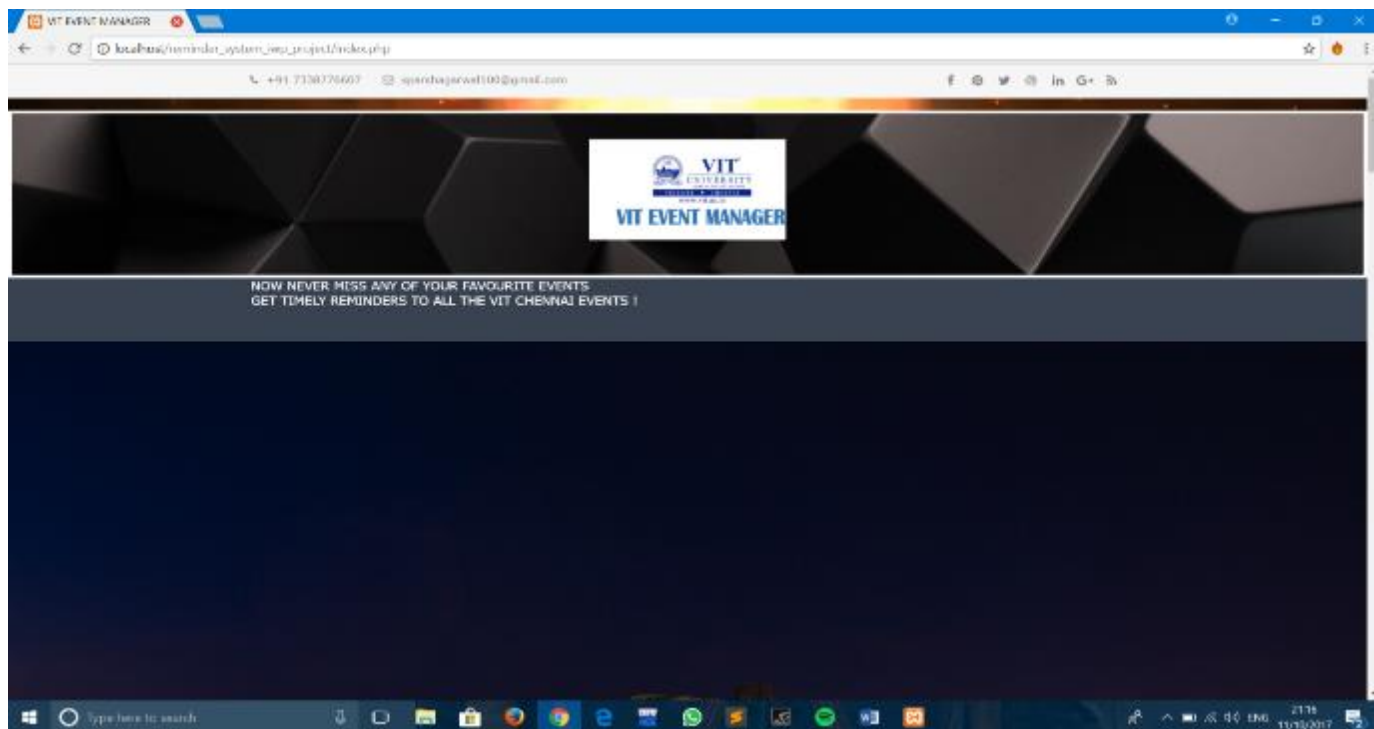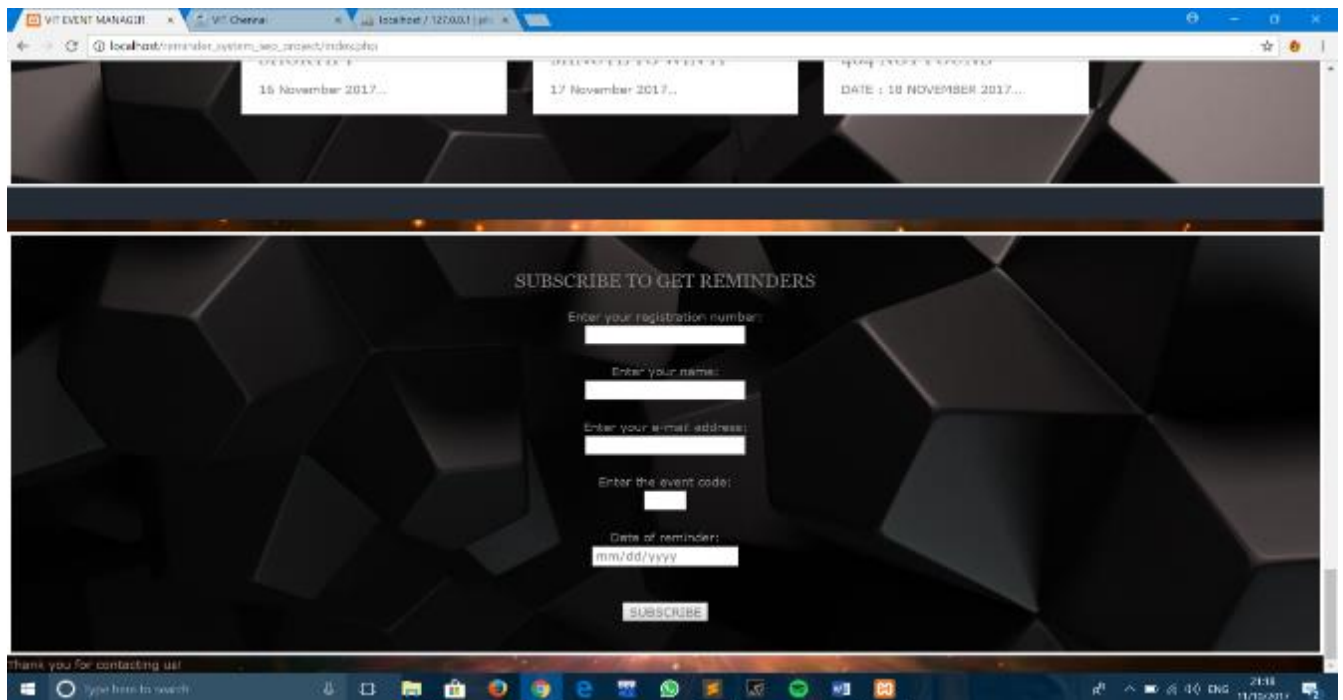
UPCOMING EVENTS ALONG WITH THE EVENT CODE DISPLAYED
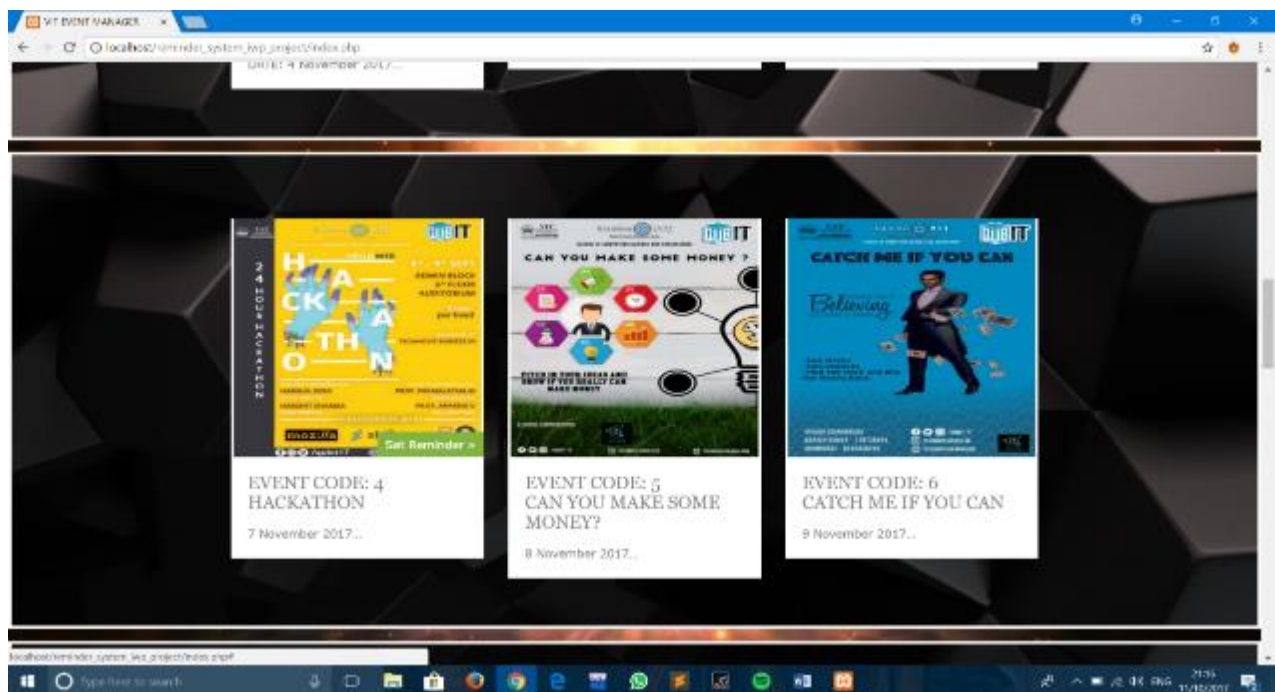
REGISTER HERE TO GET TIMELY REMINDERS TO YOUR FAVOURITE EVENTS
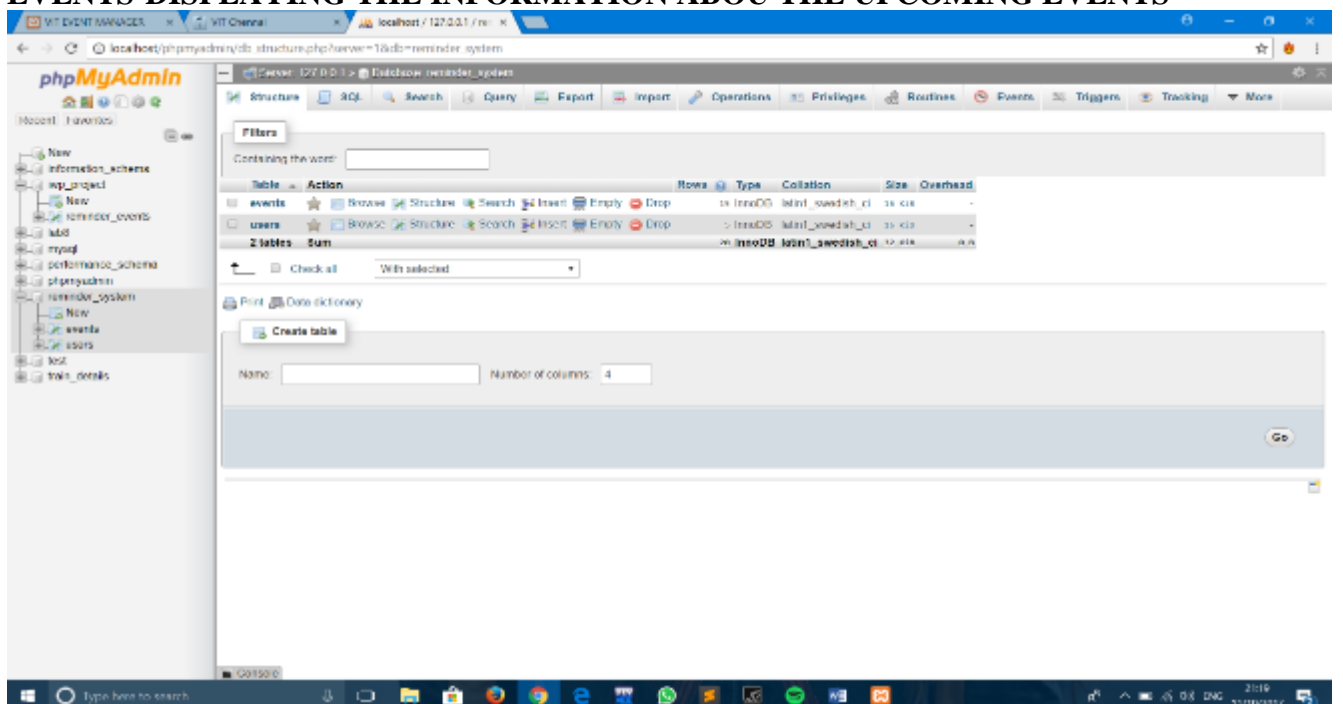
THE BACKEND DISPLAYING THE TABLES OF THE DATABASE : USERS – DISPLAYING THE NAMES OF THE REGISTERED USERS EVENTS-DISPLAYING THE INFORMATION ABOU THE UPCOMING EVENTS

EVENTS TABLE

THE INFORMATION GETTING STORED IN THE USERS TABLE AFTER THE USERS SUBSCRIBE TO THE REMINDER PAGE

USERS RECEIVING EMAIL TO REMIND ABOUT THE EVENT

5. Result and Conclusion

Our project justifies all the so-called 'small' problems of VIT hostellers. Hostellers had problems such as availability of good quality food, outing system, taxi booking, reserving and finding books in the library and keeping the details of all events in the campus in mind.

Our project has 'modules' integrated into one website which is one-stop solution to all the above problems of VIT hostellers. So all-in-all, the project addresses the needs and demands of its targeted audience (or users). The major objective of the project, that was to fulfill the dire needs of its direct users is met to large extent.

We asked a lot of VIT hostellers about the look, feel, functioning and arrangement of the modules and the website as a whole. We were flattered to receive maximum positive response. We also accumulated a list of possible improvements and reviews of the same group. And those could be of help in extending the functionality of the project in future.

6. References

1. w3schools.com

2. stackoverflow.com

3. pexels.com

4. unsplash.com

5. w3resource.com

6. wikipedia.org

7. Mozilla developer network

Appendix

Source Code – Restaurant Table Booking

<!-- Header with image -->
```
<header class="bgimg w3-display-container w3-grayscale-min" id="home">
 <div class="w3-display-bottomleft w3-center w3-padding-large w3-hide-small">
  <span class="w3-tag">Open from 11am to 10pm</span>
 </div>
 <div class="w3-display-middle w3-center">
  <span class="w3-text-white" style="font-size:150px">the<br>Yumist</span>
 </div>
 <div class="w3-display-bottomright w3-center w3-padding-large">
  <span class="w3-text-white" style="font-size:20px">227, Kovilancheri</span>
 </div>
</header>
```

```
<!-- Add a background color and large text to the whole page -->
     <div class="w3-sand w3-grayscale-min w3-large">
```

<!-- About Container -->
```
<div class="w3-container" id="about">
 <div class="w3-content" style="max-width:700px">
  <h5 class="w3-center w3-padding-64"><span class="w3-tag w3-wide">ABOUT THE
Outlet</span></h5>
  <p>The Restaurant was opened in 2010, the same year as the VIT University Chennai
Campus did, keeping in mind the dining demands of the students. Our values and passion for
cooking has seen us winning our customers' hearts over the years. Our chefs are food
professionals who deliver taste on time.</p>
  <p>Our menu includes whole range of variety in Indian cuisine. Students love it. Teachers
love it. We love it too!</p>
  <div class="w3-panel w3-leftbar w3-light-grey">
   <p><i>"Cooking is all about people. Food is maybe the only universal thing that really
has the power to bring everyone together. No matter what culture, everywhere around the
world, people get together to eat."</i></p>
  </div>
  <img src="iwpimg/chicken.jpeg" style="width:100%;max-width:1000px" class="w3-
margin-top">
  <p><strong>Opening hours:</strong> everyday from 11am to 10pm.</p>
  <p><strong>Address:</strong> 227, Kovilancheri</p>
  <p><strong>Call us on:</strong> +91-9889889787, +91-8778967859</p>
 </div>
</div>
```

<!-- Menu Container -->
```
<div class="w3-container" id="menu">
```

```html
  <div class="w3-content" style="max-width:700px">

    <h5 class="w3-center w3-padding-48"><span class="w3-tag w3-wide">THE
MENU</span></h5>

    <div class="w3-row w3-center w3-card-2 w3-padding">
      <a href="javascript:void(0)" onclick="openMenu(event, 'Eat');" id="myLink">
        <div class="w3-col s6 tablink">Biryani & Gravy</div>
      </a>
      <a href="javascript:void(0)" onclick="openMenu(event, 'Drinks');">
        <div class="w3-col s6 tablink">Rice & Breads</div>
      </a>
    </div>

    <div id="Eat" class="w3-container menu w3-padding-48 w3-card-2">
      <h5>Hyderabadi Chicken Biryani</h5>
      <p class="w3-text-grey">Flovorful rice slow cooked to perfection. Bettered by tender
chicken pieces.</p>

      <h5>Lucknowi Dum Biryani</h5>
      <p class="w3-text-grey">Biryani from the legendary land of Lucknow. Comes with
assorted veggies.</p>

      <h5>Afghani Chicken Tikka Masala</h5>
      <p class="w3-text-grey">Chicken cooked with cream, mouth-watering spices with pinch
of Afghani taste.</p>

      <h5>Chicken Tikka Makhani</h5>
      <p class="w3-text-grey">Tikka Chicken! Swoops away an Indian's heart.</p>

      <h5>Classic Butter Chicken</h5>
      <p class="w3-text-grey">All time classic dish, served with pride; and butter.</p>

      <h5>Chilli Chicken</h5>
      <p class="w3-text-grey">Chicken fried in hot sauces, bell peppers, onions and
garlic.</p>

      <h5>Mixed Veg Masala</h5>
      <p class="w3-text-grey">Chociest of veggies fried in thick masala gravy.</p>

      <h5>Paneer Butter Masala</h5>
      <p class="w3-text-grey">Paneer cooked in classic Indian gravy, topped with butter.</p>

      <h5>Shahi Paneer</h5>
      <p class="w3-text-grey">Traditional Indian dish, from the Maharajas themselves.</p>

      <h5>Paneer Tikka Lababdar</h5>
      <p class="w3-text-grey">Tikka Paneer, Veggie-lovers delight!</p>

      <h5>Paneer Chilli</h5>
```

```html
      <p class="w3-text-grey">Cottage cheese cubes fried in hot sauces, bell peppers, onions
and garlic.</p>
    </div>

    <div id="Drinks" class="w3-container menu w3-padding-48 w3-card-2">
      <h5>Veg Fried Rice</h5>
      <p class="w3-text-grey">Rice fried with spicy assorted veggies.</p><br>

      <h5>Chicken Fried Rice</h5>
      <p class="w3-text-grey">Rice fried with chunky chicken pieces.</p><br>

      <h5>Butter Roti</h5>
      <p class="w3-text-grey">Roti topped with hot butter.</p><br>

      <h5>Butter Naan</h5>
      <p class="w3-text-grey">Legendary Indian bread served with butter.</p><br>

      <h5>Lachcha Paratha</h5>
      <p class="w3-text-grey">North-Indian bread with mild spicy taste.</p><br>

      <h5>Stuffed Paratha</h5>
      <p class="w3-text-grey">Paratha stuffed with spicy mashed potatoes, paneer and
onions.</p>
    </div>
    <img src="iwpimg/friedrice.jpg" style="width:100%;max-width:1000px;margin-
top:32px;">
  </div>
</div>
<script>
// Tabbed Menu
function openMenu(evt, menuName) {
  var i, x, tablinks;
  x = document.getElementsByClassName("menu");
  for (i = 0; i < x.length; i++) {
    x[i].style.display = "none";
  }
  tablinks = document.getElementsByClassName("tablink");
  for (i = 0; i < x.length; i++) {
    tablinks[i].className = tablinks[i].className.replace(" w3-dark-grey", "");
  }
  document.getElementById(menuName).style.display = "block";
  evt.currentTarget.firstElementChild.className += " w3-dark-grey";
}
document.getElementById("myLink").click();

</script>

<!-- Add Google Maps -->
<script>
function myMap()
```

```
{
  myCenter=new google.maps.LatLng(12.840613, 80.152319);
  var mapOptions= {
    center:myCenter,
    zoom:12, scrollwheel: true, draggable: true,
    mapTypeId:google.maps.MapTypeId.ROADMAP
  };
  var map=new google.maps.Map(document.getElementById("googleMap"),mapOptions);

  var marker = new google.maps.Marker({
    position: myCenter,
  });
  marker.setMap(map);
}
</script>
```

<!-- Contact/Area Container -->
```
<div class="w3-container" id="where" style="padding-bottom:32px;">
  <div class="w3-content" style="max-width:700px">
    <h5 class="w3-center w3-padding-48"><span class="w3-tag w3-wide">WHERE TO
FIND US</span></h5>
    <p>Find us at some address at some place.</p>
    <div id="googleMap" class="w3-sepia" style="width:100%;height:400px;"></div>
    <p><span class="w3-tag">FYI!</span> <strong>VIT University Chennai Campus
students get 30% discount on every table-booking! So come hang out at our place and savour
great food & save on bills.</strong></p>
    <p><strong>Reserve</strong> a table, ask for today's special or just send us a
message:</p>
    <?php
    // define variables and set to empty values
    $nameErr="";
    $name="";

    if ($_SERVER["REQUEST_METHOD"] == "POST") {
      if (empty($_POST["Name"])) {
        $nameErr = "Name is required";
        return;
      }
      else {
        $name = test_input($_POST["Name"]);
        // check if name only contains letters and whitespace
        if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
          $nameErr = "Only letters and white space allowed :/";
          return;
        }
      }
    }
    function test_input($data) {
      $data = trim($data);
      $data = stripslashes($data);
```

```php
    $data = htmlspecialchars($data);
    return $data;
    }
    ?>
    <form method="post" action="review_food.php">
    <p><input class="w3-input w3-padding-16 w3-border" type="text" placeholder="Name"
required name="Name">
    <span><?php echo $nameErr;?></span></p>
    <p><input class="w3-input w3-padding-16 w3-border" type="number"
placeholder="How many people" required name="People"></p>
    <p><input class="w3-input w3-padding-16 w3-border" type="datetime-local"
placeholder="Date and time" required name="date" value="2017-11-16T20:00"></p>
    <p><input class="w3-input w3-padding-16 w3-border" type="text"
placeholder="Message \ Special requirements" required name="Message"></p>
    <p><button class="w3-button w3-black" type="submit">SEND
MESSAGE</button></p>
    </form>
  </div>
</div>
<!-- Footer -->
<footer class="w3-center w3-light-grey w3-padding-48 w3-large">
  <p>In association with <em>Students of VIT</em></p>
  <p>&copy;2017 <strong>the Yumist</strong>&trade;</p>
</footer>

<div class="bgimg w3-display-container w3-text-white">
  <div class="w3-display-middle w3-jumbo">
   <p>the Yumist<span class="w3-tiny">&reg;</span></p>
  </div>
  <div class="w3-display-topleft w3-container w3-xlarge">
   <p><button class="w3-button w3-dark-grey w3-hover-pale-green">Your Booking has
been confirmed.</button></p>
   <p><button class="w3-button w3-black"><?php echo $_POST["Name"]?></button></p>
   <p><button class="w3-button w3-black"><?php echo $_POST["People"].'
person(s)'?></button></p>
   <p><button class="w3-button w3-black"><?php echo 'On
'.$_POST["date"]?></button></p><br>
   <p><button class="w3-button w3-white w3-hover-lime"><a href="chef.php">Back to our
Website</a></button></p>
  </div>

  <div class="w3-display-bottomleft w3-container">
   <p class="w3-xlarge">monday - friday 11-22 | saturday 09-23</p>
   <p class="w3-large">227, Kovilancheri</p>
   <p>powered by VITians</p>
   <p>&copy;2017</p>
  </div>
</div>
```

Source Code – Taxi Booking and Proctor Approval System

BOOKING.php

```php
<?php
            session_start();

    $nameErr=$dateErr=$contactErr=$strErr=$strnErr=$subErr=$dubErr=$timeErr="";
            //Form input checks
            if ($_SERVER['REQUEST_METHOD'] == 'POST')
            {
                $errors=0;
              if(empty($_POST['cname']))
                {
                    ++$errors;
                    $nameErr="Enter Name";
                }
              else
                {
                    $cname=$_POST['cname'];
                }
              if(empty($_POST['name']))
                {
                    ++$errors;
                    $nameErr="Enter Name";
                }
              else
                {
                    $name=$_POST['name'];
                }
              if(empty($_POST['phone']))
                {
                    ++$errors;
                    $contactErr="please enter contact no.";
                    $phone="";
                }
              else
                {
                  $phone=$_POST['phone'];
                }

                $unit_no=$_POST['unit_no'];

              if(empty($_POST['streetnumber']))
                {
                    ++$errors;
                    $strErr="please enter street number";
                    $streetnumber="";
                }
              else
                {
```

```php
      $streetnumber=$_POST['streetnumber'];
    }
  if(empty($_POST['streetname']))
    {
      ++$errors;
      $strnErr="please street name";
      $streetname="";
    }
    else
    {
      $streetname=$_POST['streetname'];
    }
  if(empty($_POST['suburb']))
    {
      ++$errors;
      $subErr="please enter suburb";
      $suburb="";
    }
    else
    {
      $suburb=$_POST['suburb'];
    }
  if(empty($_POST['dsuburb']))
    {
      ++$errors;
      $dubErr="enter destination suburb";
      $dsuburb="";
    }
    else
    {
      $dsuburb=$_POST['dsuburb'];
    }
  if(empty($_POST['date']))
    {
      ++$errors;
      $dateErr="please enter the date";
      $date="";
    }
    else
    {
      $date=$_POST['date'];
    }
  if(empty($_POST['time']))
    {
      ++$errors;
      $timeErr="please enter time";
      $time="";
    }
    else
    {
```

```php
                $time=$_POST['time'];
            }
        if($errors==0)
        {
            //Establish DataBase Connection
        $DBConnect=@mysqli_connect('localhost','root','','taxi');
            if($DBConnect==FALSE)
            {
              echo "<p>not connected to database server.";
              ++$errors;
            }
        }
        //Insert data into booking table
        $tablename="booking";
        if($errors==0)
        {
            $SQLstring="INSERT INTO $tablename
(customer_name,passenger_name,phone,unit_no,street_no,street_name,suburb,destination_suburb,pickup_date,pickup_time,status) VALUES
('$cname','$name','$phone','$unit_no','$streetnumber','$streetname','$suburb','$dsuburb','$date','$time','unassigned')";
            $QueryResult=@mysqli_query($DBConnect,$SQLstring);
            if($QueryResult===FALSE)
            {
              echo "Query Error!!!";
              ++$errors;
            }
            else
            {
            //Conformation details
             $booking_no=@mysqli_insert_id($DBConnect);
            echo "<p>Hi,". $cname." Your booking has been done and booking
reference number is:".$booking_no ."</p>\n";
            $date = date("F j, Y, g:i a");
            echo "<p>Date/Time:".$date."</p>\n";
            echo "<p>Status:  Unassigned </p>\n";
            //send email
            $admin_email = "maxfabregas.17@gmail.com";

            $email =$_SESSION["email"];

            $subject ="Your booking with CabsService";

            $comment = "Dear" .$cname.",  Thanks for booking with YourTaxi!
Your booking reference number is".$booking_no.". We will pick up the passengers in front
of your provided address at".$time."on".$date;

            //send email
            mail($email, $subject, $comment);
```

```php
                    //Email response
                    echo "Thank you for contacting us!";
                }
                mysqli_close($DBConnect);
            }

        }

        ?>
```

LOGIN.php

```php
<?php
                            session_start();
                            $emailErr = $passwordErr="";
                            if ($_SERVER['REQUEST_METHOD'] == 'POST')

                              {
                               //form input checks
                                $errors=0;
                                $email="";
                              if(empty($_POST['Email']))
                                {
                                    ++$errors;
                                    $emailErr="Enter e-mail address.";
                                    $email="";
                                }
                              else
                                {
                                    $email=$_POST['Email'];
                                }
                                $_SESSION["email"]=$email;
                            if(empty($_POST['Password']))
                              {
                                  ++$errors;
                                  $passwordErr="Enter password.";
                                  $Password="";
                              }
                            else
                              {
                                $Password=$_POST['Password'];
                              }
                            if($errors==0)
                              {
                                  //Establish DataBase Connection

$DBConnect=@mysqli_connect('localhost','root','','taxi');
                                if($DBConnect===FALSE){
                                  echo "<p>not connected to database server.";
                                  ++$errors;
```

```php
          }
        else
        {
          $DBName="taxi";

$result=@mysqli_select_db($DBName,$DBConnect);
              if($result===FALSE)
               {
                echo"unable to connect to database";
                ++$errors;
                }
          }
        }
          $tablename='register';
          if($errors==0)
           {
           //To check email and password availability in
customer table
             $SQLstring="SELECT count(*) FROM
$tablename WHERE Email='$email' AND Password='$Password'";
             $QueryResult=@mysqli_query($DBConnect,
$SQLstring) or die('idhar problem');

             $Row=mysqli_fetch_row($QueryResult);
          if($Row[0]>0)
           {
           ?>
            <form>
            <h2> <a href="booking.php"><u>click here to
proceed to Booking page..</u></a></h2>

            </form>
            <?php
           }
          else
           {
            echo"<p>the entered email and password is
invalid, try again </p>";

            ++$errors;
           }

          //close database connection
          mysqli_close($DBConnect);
          }
          }
          ?>
          <form id="bookingForm" method="post"
action="login.php">

          <p><span class="error"><b style=color:#ffa500;font-
size:300%>LOGIN</style></b></span></p>
          <div>
```

```
                                            <input name="Email"
placeHolder="Email:"type="text" >
                                            <span class="error"><?php echo $emailErr;?> </span>
                            </div><br>
                                            <div>
                                            <input name="Password" placeHolder="Password:"
type="password">

                                            <span class="error"> <?php echo $passwordErr;?>
</span>
                            </div><br>
                                            <div>
                                            <button class="button" style=background-
color:#ffa500>Submit</button>
                                            </div>
                                            <h3> Not registered? <a
href="register.php?content=register"><u>Register Here</u></a></h3>
                                            </form>

                                            <div class="grid_4">
                                                    <blockquote class="bq1">
                                                            <p><i>I saved so much time and
headache by finding out offerings of different operators on YourTaxi and booking through
them!</i></p>
            <div class="color2">Abhishek Kumar</div>
                                                    </blockquote>
                                            </div>
                                            <div class="grid_4">
                                                    <blockquote class="bq1">
                                                            <p><i>YourTaxi customer service is
very nice. Booked me a very comfortable ride to Coimbatore from Chennai! </i></p>
                                                            <div class="color2">Naina Gupta</div>
                                                    </blockquote>
                                            </div>
                                            <div class="grid_4">
                                                    <blockquote class="bq1">
                                                            <p><i>We had a great experience with
YourTaxi, the car was arranged within 30 mins - that too on a busy Monday morning.
Awesome!</i></p>
                                                            <div class="color2">Anonymous</div>
                                                    </blockquote>
                                            </div>
                                            <div class="clear"></div>
                                    </div>
                            </div>
                    </div>
```

Register.php

```php
<?php
session_start();
$nameErr = $emailErr=
$passwordErr=$cpasswordErr=$phoneErr=$email=$name=$Password=$phone="";
$ema="the entered email is already assigned.";$log="Thanks $name,
click LOGIN to login";
if ($_SERVER['REQUEST_METHOD'] == 'POST')
 {
        $errors=0;
   if(empty($_POST['Name']))
     {
        ++$errors;
        $nameErr="Enter First Name";
     }
    else
     {
        $name=$_POST['Name'];
     }
     //Email ckeck
    if (empty($_POST['Email']))
     {
        ++$errors;
        $emailErr="Enter e-mail address.";
     }
    else
     {
         $email=$_POST['Email'];
     }
     $_SESSION["email"]="$email";
     //Password check
    if (empty($_POST['Password']))
     {
        ++$errors;
        $passwordErr="Enter password.";
        $Password = "";
     }
    else
        $Password = stripslashes($_POST['Password']);
    if (empty($_POST['Cpassword']))
     {

        ++$errors;
        $cpasswordErr="Enter password.";
        $Cpassword= "";
     }
    else
        $Cpassword = stripslashes($_POST['Cpassword']);
     if (((!(empty($Password))) && (!(empty($Cpassword)))))
```

```php
        {
            if (strlen($Password) < 6)
              {
                ++$errors;
                $passwordErr= "The password is too short.";
                $Password = "";
                $Cpassword = "";
              }
              if ($Password != $Cpassword) {
                  ++$errors;
                  $passwordErr="The passwords do not match.";
                  $Password = "";
                  $Cpassword = "";
              }
        }

      if(empty($_POST['Phone']))
      {
          ++$errors;
          $phoneErr="Enter phone no.";
          $phone="";
      }
      else
      {
          $phone=$_POST['Phone'];
      }
    //Establish DataBase Connection
    if($errors==0)
     {
       $DBConnect=@mysqli_connect('localhost','root','','taxi') or
die("not connected");
       if($DBConnect==FALSE)
       {
       echo "<p>Sorry, not connected to database server.";
       ++$errors;
       }
   }
     $tablename='register';
     $SQLstring="INSERT INTO $tablename
VALUES('$name','$email','$Password','$phone')";
     $QueryResult=@mysqli_query($DBConnect,$SQLstring);
    if($QueryResult==FALSE)
      {
        echo "<script>
                                    alert('$ema');
                                    </script>";
      ++$errors;
      }
        @mysqli_close($DBConnect);
            if($errors==0)
```

```
                                                {
echo"<script>
                                                        alert('You
have been registered! Click Log in to Log in!');
                                                        </script>";
                                                }

                    }
                    ?>
```

Contact.php

```
<form action=contact.php method="post" onsubmit="alert('contact ur approving
authority');">
                                        <b>Date of Leaving</b><input
class="textbox" type=date name=dol><br><br>
                                        <b>Time of Leaving</b><input
class="textbox"type=time name=tol><br><br>
                                        <b>Date of Arrival</b><input
class="textbox" type=date name=doa><br><br>
                                        <b>Time of Arrival</b><input
class="textbox"type=time name=tol><br><br>
                                        <b>Reason for Leaving</b><br>
                                        <textarea class="textbox" rows=5
columns=50></textarea><br><br>

                                        <b>Approving authority</b>
                                        <select>
                                          <option class="textbox">program
chair</option>
                                          <option
class="textbox">proctor</option>
                                        </select><br><br>
                                        <input type="submit" value="submit">
                            </form>
```

Source Code – Events Management System

```php
<?php
// Validation
$nameErr = $emailErr = $regErr = $codeErr = $dateErr = "";
$name = $email = $regno = $code = $evedate = "";

function test_input($data) {
  $data = trim($data);
  $data = stripslashes($data);
  $data = htmlspecialchars($data);
  return $data;
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
  if (empty($_POST["name"])) {
    $nameErr = "Name is required";
  } else {
    $name = test_input($_POST["name"]);
    if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
      $nameErr = "Only letters and white space allowed";
    }
  }

  if (empty($_POST["email"])) {
    $emailErr = "Email is required";
  } else {
    $email = test_input($_POST["email"]);
    if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
      $emailErr = "Invalid email format";
    }
  }
  if (empty($_POST["regno"])) {
    $regErr = "Registration number is required";
  } else {
    $regno = test_input($_POST["regno"]);
  }
  if (empty($_POST["code"])) {
    $codeErr = "Event Code Is Required";
  } else {
    $code = test_input($_POST["code"]);
  }
  if (empty($_POST["evedate"])) {
    $dateErr = "Date is required";
  } else {
    $evedate = test_input($_POST["evedate"]);
}
?>
<?php
```

```php
// Create connection
$db = mysqli_connect('localhost','root','','reminder_system')
 or die('Error connecting to MySQL server.');

if(isset($_POST['submit'])){
      $sql = "INSERT INTO users (regno, name, email, evcode, evdate)
      VALUES
("'".$_POST["regno"]."'","'".$_POST["name"]."'","'".$_POST["email"]."'","'".$_POST["code"]."'","'".
$_POST["evdate"]."')";
   }

if ($db->query($sql) === TRUE) {
   echo " ";
} else {
   echo "Error: " . $sql . "<br>" . mysqli.error($db);
}
}
 //mysqli_close($db);
if (isset($_REQUEST['email'])) {
//Email information
$admin_email = "sparshagarwal100@gmail.com";
$ememail = $_REQUEST['email'];
$emname = $_REQUEST['name'];
$emdate = $_REQUEST['evedate'];
$emregno = $_REQUEST['regno'];
$emcode = $_REQUEST['code'];
//send email
mail($ememail, $emname, $emdate, $emregno, $emcode);
//Email response
echo "Thank you for contacting us!";
}
else {
echo "Couldnt reach you try later";
}


?>
```

Source Code – Library Management System

Login

```php
<?php
include 'session.php';
session_start();
  $server = "localhost";
  $username = "root";
  $password = "root";
  $dbname = "vit";
  $conn = new mysqli($server, $username, $password, $dbname) or die("Error Connecting to
the server.");
  if (isset($_POST["email"])) {
   $uname = $_POST["email"];
   $upassword = $_POST["password"];
   $sql = "SELECT password,firstname FROM users WHERE username='$uname'";
   $result = $conn->query($sql) or die("Error connecting to the Login table of the
database.");
   if ($result->num_rows == 0) {
    //echo "No such User found. Please Register first.";
   }else {
    $row = $result->fetch_assoc();
    if($upassword != $row["password"]){
     //echo "Invalid Password for the user.";
    }else {
     $_SESSION["uname"] = $row["firstname"];
     $_SESSION["username"] = $uname;
     //echo "asagfgfgfgfgfgfgasaa";
     header("Location:"."home.php");
     //echo "lllllll";
    }
   }
  }

  $conn->close();
 ?>
```

Dashboard

```php
<?php include 'topbar.php'; ?>
      <div class="container">
            <section class="background">
                  <div class="content-wrapper">
                        <a href="#">
                              <p class="content-title">Pay</p>
                              <p class="content-subtitle">Make fast and secure
transactions</p>
                        </a>
                  </div>
```

```html
                </section>
                <section class="background">
                        <div class="content-wrapper">
                                <a href="reminder/index.php">
                                        <p class="content-title">Events</p>
                                        <p class="content-subtitle">Quickly register for any
event</p>
                                </a>
                        </div>
                </section>
                <section class="background">
                        <div class="content-wrapper">
                                <a href="library.php">
                                        <p class="content-title">Library</p>
                                        <p class="content-subtitle">Reserve your books
online</p>
                                </a>
                        </div>
                </section>
                <section class="background">
                        <div class="content-wrapper">
                                <a href="chef.php">
                                        <p class="content-title">Food</p>
                                        <p class="content-subtitle">Reserve table from
room</p>
                                </a>
                        </div>
                </section>
                <section class="background">
                        <div class="content-wrapper">
                                <a href="finaltaxi/booking.php">

                                        <p class="content-title">Taxi Booking</p>
                                        <p class="content-subtitle">Book Taxi from room</p>
                                </a>
                        </div>
                </section>
        </div>
```

<u>Library</u>
```php
<?php
include 'session_home.php';
session_start();
 $server = "localhost";
 $username = "root";
 $password = "root";
 $dbname = "vit";
 $conn = new mysqli($server, $username, $password, $dbname) or die("Error Connecting to
the server.");
 $sqln = "select name from books";
```

```php
  $sqla = "select author from books";
  $stud = $_SESSION['username'];
  $sqlm = "select name from books where stud='$stud'";
?>
<?php
                        if(isset($_POST['reserve'])){
                                echo "reserve";
                                echo "<script>document.getElementById('b').style.display =
'inline-block';</script>";
                                $stud = $_SESSION['username'];
                                $bk = $_POST['book'];
                                $i = $_POST['id'];
                                $sqlu = "update books set stud='$stud',issue=1 where
name='$bk' and bookid=$i";
                                $result = $conn->query($sqlu) or die("hahahhaha");
                                echo "<script>alert('Book Reserved');</script>";
                        }
                        if(isset($_POST['reserved'])){
                                echo "reserved back";
                                echo "<script>document.getElementById('b').style.display =
'inline-block';</script>";
                                $stud = $_SESSION['username'];
                                $bk = $_POST['book'];
                                $i = $_POST['id'];
                                echo $stud;
                                echo $bk;
                                echo $i;
                                $sqlu = "update books set stud='0', issue=0 where name='$bk'
and bookid=$i and stud='$stud'";
                                $result = $conn->query($sqlu) or die("<script>alert('Book is
not Reserved under your name');</script>");
                        }
                ?>
                <?php
                        if(isset($_POST['opt'])){
                                echo "<script>document.getElementById('b').style.display =
'inline-block';</script>";
                                $opt = $_POST['opt'];
                                if($opt==1){
                                        $bk = $_POST['nname'];
                                        $sqln = "select * from books where name='$bk'";
                                        foreach ($conn->query($sqln) as $row) {
                                                $n = $row['author'];
                                                $i = $row['bookid'];
                                                echo
"<tr><td>$bk</td><td>$n</td><td>$i</td>";
                                                echo "<input hidden name='book' value='$bk'>";
                                                echo "<input hidden name='id' value='$i'>";
                                                $is = $row['issue'];
                                                if ($is==0){
```

```php
                                                $stud = $_SESSION['uname'];

                                                echo "<td><input type='submit'
name='reserve' value='Reserve'></td><td>-</td></tr>";
                                        }
                                        else{
                                                $iss = $row['stud'];
                                                echo "<td><input type='button'
name='reserved' value='Reserved'></td><td>$iss</td></tr>";
                                        }
                                }
                        }
                        if($opt==2){
                                $bk = $_POST['nname'];
                                $author = $_POST['author'];
                                $sqln = "select * from books where author='$author'";
                                foreach ($conn->query($sqln) as $row) {
                                        $bk = $row['name'];
                                        $n = $row['author'];
                                        $i = $row['bookid'];
                                        echo
"<tr><td>$bk</td><td>$n</td><td>$i</td>";
                                        echo "<input hidden name='book' value='$bk'>";
                                        echo "<input hidden name='id' value='$i'>";
                                        $is = $row['issue'];
                                        if ($is==0){
                                                $stud = $_SESSION['uname'];
                                                echo "<td><input type='submit'
name='reserve' value='Reserve'></td><td>-</td></tr>";
                                        }
                                        else{
                                                $iss = $row['stud'];
                                                echo "<td><input type='button'
name='reserved' value='Reserved'></td><td>$iss</td></tr>";
                                        }
                                }
                        }

                        if($opt==3){
                                $bk = $_POST['nname'];
                                $rb = $_POST['my'];
                                $stud = $_SESSION['username'];
                                if ($rb=='All reserved Books'){
                                        $sqln = "select * from books where
stud='$stud'";
                                }
                                else{
                                        $sqln = "select * from books where name='$rb'
and stud='$stud'";
                                }
```

```php
foreach ($conn->query($sqln) as $row) {
    $bk = $row['name'];
    $n = $row['author'];
    $i = $row['bookid'];
    echo
"<tr><td>$bk</td><td>$n</td><td>$i</td>";
    echo "<input hidden name='book' value='$bk'>";
    echo "<input hidden name='id' value='$i'>";
    $is = $row['issue'];
    if ($is==0){
        $stud = $_SESSION['uname'];
        echo "<td><input type='submit'
name='reserve' value='Reserve'></td><td>-</td></tr>";
    }
    else{
        $iss = $row['stud'];
        echo "<td><input type='submit'
name='reserved' value='Unreserve'></td><td>$iss</td></tr>";
    }
}
}
?>
```