PROJECT REPORT RESTAURANT MENU MANAGEMENT SYSTEM

Submitted by

Bhavya . B

ADIT/TVM/19/008

National Skill Training Institute for Women , Trivandrum

ABSTRACT

Restaurant menu management system is a project which aims in developing a computerized system to maintain all the menu details of the restaurant . This project has features like admin login through which the admin can monitor whole system. The admin after login in to his account can have various options such as add item, view item, update item, cancel item. Overall this project is being developed to help admin to maintain the restaurant menu in the best way possible and also reduce human efforts.

CONTENTS

ABSTRACT

- 1. INTRODUCTION
 - 1.1 PROJECT OVERVIEW
 - 1.2 PROJECT DESCRIPTION
 - 1.3 SCOPE OF WORK
- 2. SOFTWARE DEVELOPMENT ENVIORNMENT
- 3. SYSTEM DESIGNS
 - 3.1 ER DIAGRAM
 - 3.2 CLASS DIAGRAM
 - 3.3 FLOW CHART
- 4. SYSTEM REQUIREMENTS
 - 4.1 HARDWARE REQUIREMENTS
 - 4.2 SOFTWARE REQUIREMENTS
- 5. APPENDICES
 - 5.1 DTABASE TABLES
 - 5.2 SOURCE CODE
 - 5.3 SCREENSHORT
- 6. CONCLUSION
- 7. REFERENCE

1. INTRODUCTION

1.1 PROJECT OVERVIEW

The objective of this application is to design a system to maintain information related to the menu of restaurant menu management. The purpose is to maintain a centralized repository of information about restaurant menu.

1.2 PROJECT DESCRIPTION

The project for monitoring and controlling the menu details on application. The project is developed in PHP and MySQL. This is mainly focuses on basic operations to maintaining menu details in a restaurant like add item, view menu, update item and cancel item.

1.3 SCOPE OF WORK

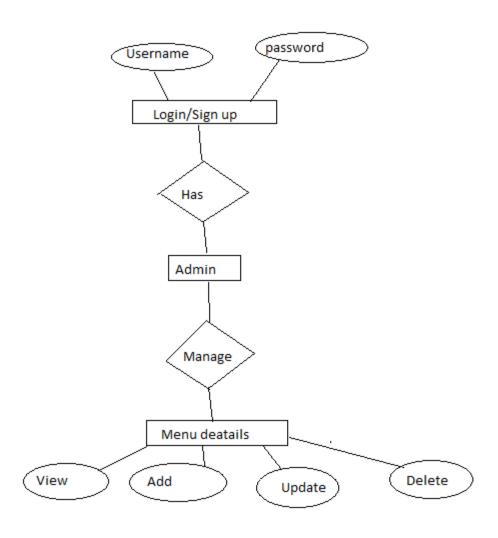
We can create computerized management system for a restaurant. It has an administrator account. Menu details are stared efficiently and cost effectively. It will reduce human error and also reduces the time consumption. It keeps the database correct and up-to-date and also stores all data in proper manner.

2. SOFTWARE DEVELOPMENT ENVIRONMENT

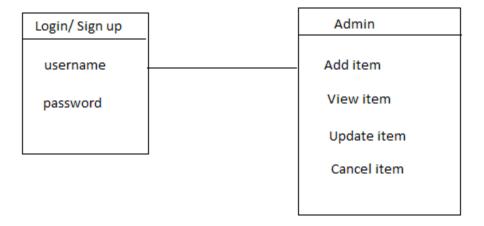
Restaurant management system is an application to help admin of restaurant to monitor menu details. Using HTML and CSS we are structured and designed the web page. We used My SQL as database and PHP as server side scripting language, where PHP used for dynamic contents like form validation, session, signup and login procedures. Here My SQL is best choice for PHP developers. My SQL is an open source relational database. Both are enables the storage of data and perform operations according to the need of admin.

3. SYSTEM DESIGN

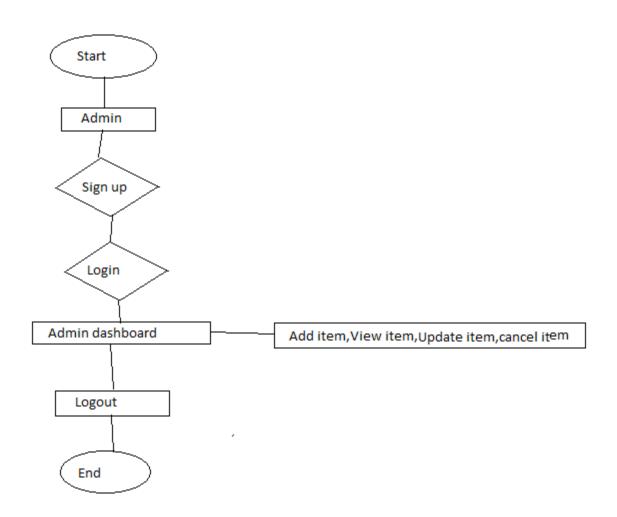
3.1 ER DIAGRAM



3.2 CLASS DIAGRAM



3.3 FLOW CHART



4. SYSTEM REQUIREMENTS

4.1 HARDWARE REQUIREMENTS

- 1. A working PC
- 2. RAM 4GB or higher
- 3. Processor 1 GHz or more
- 4. Hard drive 32GB or above
- 5. Stable network connectivity

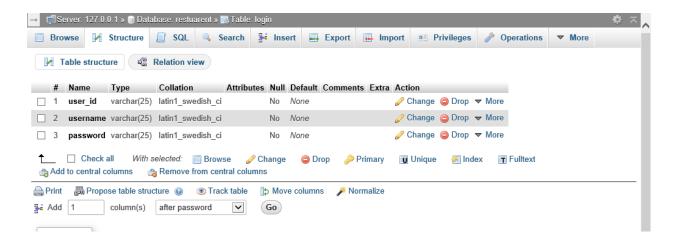
4.2 SOFTWARE REQUIREMENTS

- 1. Operating System: Windows 10
- 2. Browser: Chrome, Mozilla Firefox.
- 3. Text Editor: Visual studio code
- 4. Frond end: HTML,CSS
- 5. Back end: PHP
- 6. Database: MySQL

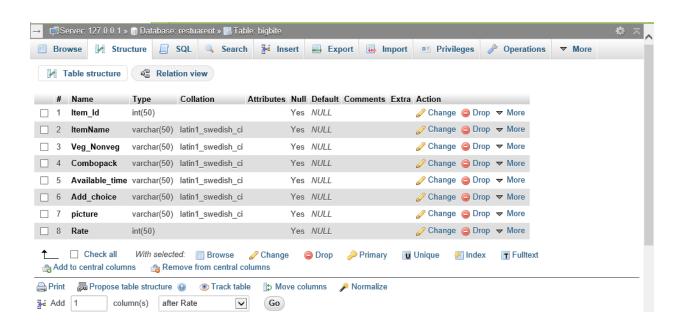
5. APPENDICES

5.1 DATABASE TABLES

1. Table - login



2. Table - bigbite



5.2 SOURCE CODE

1. Connection.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "restuarent";
$conn = mysqli_connect($servername,$username,$password,$dbname);
if($conn){
    echo"<script>
    alert('connected successfully')
    </script>";
}
else{
    echo"<script>
    alert('failed to connect'.mysqli connect error())
    </script>";
    }
?>
Signup.php
<?php
session start();
    include("connection.php");
    include("function.php");
   if($_SERVER['REQUEST_METHOD'] == "POST")
        $username = $_POST['username'];
        $password = $ POST['password'];
        if(!empty($username) && !empty($password) && !is numeric($user
name ))
        {
```

```
$user id = random num(20);
            $sql = "insert into login (user id,username,password) valu
es ('$user id','$username','$password')";
           mysqli query($conn, $sql);
       <link rel="stylesheet" href="CSS/login.css">
       <title>Sign Up</title>
   </head>
<body class="bg">
   <center>
       <h2>Sign Up</h2>
       <form method="POST">
           <fieldset id="feild">
               <div id="div">
               <label>Usernmae : </label><br><br>
               <input type="text" class="input" name="username" required><br><br</pre>
><br>
              <label>Password : </label><br><br>
            header("Location: login.php");
            die:
        }else
        {
            echo"<script>
    alert('Wrong credentials!')
    </script>";
        }
    }
?>
<html>
    <head>
               <input type="password" class="input" name="password" req</pre>
uired><br><br><br><br>
                 <input type="submit" id="submit" name="signup" value="</pre>
<a href="login.php" id="a">Click here to Login</a>
                 </div>
            </fieldset>
        </form>
    </center>
```

```
</body>
</html>
Login.php
<?php
session start();
    include("connection.php");
    include("function.php");
    if($ SERVER['REQUEST METHOD'] == "POST")
        $username = $_POST['username'];
        $password = $_POST['password'];
        if(!empty($username) && !empty($password) && !is_numeric($user
name))
        {
            $sql = "select * from login where username= '$username' li
mit 1";
            $result = mysqli_query($conn, $sql);
            if($result)
            {
                if($result && mysqli_num_rows($result) > 0)
                {
                    $user_data = mysqli_fetch_assoc($result);
                    if($user_data['password'] === $password)
                    {
                        $_SESSION['user_id'] = $user_data['user_id'];
                        header("Location: home.php");
                        die;
                    }
```

```
}
            }
            echo"<script>
    alert('Invalid credentials!')
    </script>";
        }else
        {
            echo"<script>
    alert('Invalid credentials!')
    </script>";
        }
    }
?>
<html>
    <head>
        <link rel="stylesheet" href="css/login.css">
        <title>Login</title>
    </head>
<body class="bg">
    <center>
        <h2>Login</h2>
        <form method="POST">
            <fieldset id="feild">
                <div id="div">
                <label>Username : </label><br><br>
                <input type="text" class="input" name="username"><br><</pre>
br><br>
                <label>Password : </label><br><<br/>
                <input type="password" class="input" name="password"><</pre>
<input type="submit" id="submit" name="login" value="L</pre>
<a href="signup.php" id="a">Click here to Sign Up</a>
                </div>
            </fieldset>
        </form>
    </center>
</body>
</html>
```

```
Function.php
<?php
function check login($conn)
    if(isset($ SESSION['user id']))
        $id = $_SESSION['user_id'];
        $sql = "select * from login where user_id = '$id' limit 1";
        $result = mysqli_query($conn,$sql);
        if($result && mysqli num rows($result) > 0)
        {
            $user data = mysqli fetch assoc($result);
            return $user data;
        }
    }
    header("Location: login.php");
    die;
}
function random_num($length)
{
    $text = "";
    if($length < 5)</pre>
    {
        1ength = 5;
    }
    $len = rand(4,$length);
    for ($i=0; $i < $len; $i++) {
        # code...
        $text .= rand(0,9);
```

```
}
   return $text;
}
Home.php
<!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-</pre>
scale=1.0">
   <title>bigbite</title>
   <link rel="stylesheet" href="css/style.css">
</head>
<body>
   <div id="body">
       <div id="header">
         <img src="images/logo.png" alt="logo" id="logo">
          <h1 id="first">BIGBITE</h1>
           <a id="logout" href="logout.php">Logout</a>
        </div>
       <div id="middle">
           <l
           <a href="add.php">Add Item</a>
           <a href="view.php">View Menu</a>
           <a href="view.php">Update Item</a>
           <a href="view.php">Cancel Item</a>
           </div>
   </div>
   <div id="footer">
        Designed and developed by Bhavya.B<br>
   </div>
</body>
</html>
Add.php
<!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-</pre>
scale=1.0">
   <title>BigBite</title>
   <link rel="stylesheet" href="css/style.css">
</head>
<body>
   <div id="body">
       <div id="header">
         <img src="images/logo.png" alt="logo" id="logo">
          <h1 id="first">BIGBITE</h1>
          <a id="logout" href="logout.php">Logout</a>
        </div>
       <div id="form">
           <h1 id="add1">Add Item</h1>
           <br><br><br>>
           <form action="data.php" method="POST" enctype="multipart/f"</pre>
orm-data">
           >
                  Item Id
                  <input type="text" name="id">
              Item Name
              <input type="text" name="itemname">
           Veg/Nonveg
              >
              <input type="radio" name="veg/nonveg" value="vegetaria</pre>
n">
              <label for="vegitarian">Vegetarian</label>
              <input type="radio" name="veg/nonveg" value="non veget</pre>
arian">
              <label for="non_vegitarian">Non-vegetarian</label>
              Combopack
              <input type="radio" name="combo" value="yes">
```

```
<label for="yescombo">Yes</label>
        <input type="radio" name="combo" value="no">
      <label for="nocombo">No</label>
      Available time
      <input type="checkbox" name="availabletime[]" value="breakfast">
      <label for="breakfast">Breakfast</label>
      <input type="checkbox" name="availabletime[]" value="lunch">
      <label for="lunch">Lunch</label>
      <input type="checkbox" name="availabletime[]" value="dinner">
      <label for="dinner">Dinner</label>
      Add choice
      >
      <input type="checkbox" name="addchoice[]" value="chicken">
      <label for="chicken">Extra chicken</label>
      <input type="checkbox" name="addchoice[]" value="cheese">
      <label for="cheese">Extra cheese</label>
      <input type="checkbox" name="addchoice[]" value="myonnaise">
      <label for="myonnaise">Myonnaise</label>
      Picture
      <input type="file" name="pic">
  Rate
     <input type="number" name="rate">
  <br><br><
 <input type="submit" name="submit" id="submit" class="submit">
</form>
</div>
```

```
</div>
</body>
</html>
```

Data.php

```
<?php
include('connection.php');
?>
<?php
  if(isset($_POST['submit'])){
        $itemid = $_POST['id'];
        $itemname = $_POST['itemname'];
        $veg_nonveg = $_POST['veg/nonveg'];
        $combopack = $_POST['combo'];
        $rate = $_POST['rate'];
        $picture = $_FILES['pic']['name'];
        $tempname = $_FILES['pic']['tmp_name'];
        $folder = "images/".$picture;
        move_uploaded_file($tempname,$folder);
        $available_time = $_POST['availabletime'];
        $availability="";
        foreach($available_time as $available)
           {
            $availability.= $available.",";
          }
           $addchoice = $_POST['addchoice'];
           $add="";
           foreach( $addchoice as $added)
           {
            $add.= $added.",";
        $sql = "INSERT INTO Bigbite(Item_Id,ItemName,Veg_Nonveg,Combopack,Availab
le_time,Add_choice,picture,Rate)
        VALUES('$itemid','$itemname','$veg_nonveg','$combopack','$availability','
$add','$picture','$rate')";
         $data = mysqli_query($conn,$sql);
         if($data){
        echo"<script>
    alert('data inserted successfully')
```

View.php

```
<?php
include 'connection.php';
<!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=1.0">
   <title>bigbite</title>
   <link rel="stylesheet" href="CSS/view.css">
</head>
<body>
   <div id="body">
       <div id="header">
           <img src="images/logo.png" alt="logo" id="logo">
           <h1 id="first">BIGBITE</h1>
           <a id="logout" href="logout.php">Logout</a>
       </div>
   <div id="view">
       <h1 style="text-align:center;">MENU DETAILS</h1>
       Item Id
```

```
Item Name
                Veg/Non-veg
                Combopack
                Available Time
                Add choice
                Picture
                Rate
                action
             <?php
                $sql = "SELECT * FROM Bigbite";
                $data = mysqli_query($conn,$sql);
                $total = mysqli_num_rows($data);
                if($total !=0)
                {
                   while($result = mysqli fetch assoc($data))
                ?>
             <?php echo $result['Item Id']; ?>
             <?php echo $result['ItemName']; ?>
             <?php echo $result['Veg_Nonveg']; ?>
             <?php echo $result['Combopack']; ?>
             <?php echo $result['Available_time']; ?>
             <?php echo $result['Add choice']; ?>
             <img src="<?php echo base64_encode($result['Picture']); ?>" width
="100" height="100">
             <?php echo $result['Rate']; ?>
             <a href="delete.php?Item_Id= <?php echo $result['Item_Id'];?>
">cancel item </a>
             <a href="update.php?Item_Id= <?php echo $result['Item_Id'];?>
">Update item </a>
             <?php
                   }
         mysqli_close($conn);
         ?>
```

```
</div>
</body>
</html>
Update.php
<?php
include 'connection.php';
if(isset($_GET["Item_Id"]))
{
    $itemid = $_GET["Item_Id"];
    $query = "SELECT * FROM Bigbite WHERE Item Id = $itemid";
    $result = mysqli_query($conn,$query);
    $row= mysqli_fetch_array($result);
    $a = $row["Available_time"];
   $b = explode(",",$a);
    $c = $row["Add choice"];
   $d = explode(",",$c);
}
if(isset($ POST["update"])){
        $itemid = $_POST['id'];
        $itemname = $_POST['itemname'];
        $veg_nonveg = $_POST['veg/nonveg'];
        $combopack = $_POST['combo'];
        $rate = $ POST['rate'];
        $picture = $_FILES['pic']['name'];
        $tempname = $_FILES['pic']['tmp_name'];
        $folder = "images/".$picture;
        move_uploaded_file($tempname,$folder);
        $e= $ POST["availabletime"];
        $f = implode(",",$e);
        $g = $ POST["addchoice"];
        $h = implode(",",$g);
        $sql = "UPDATE Bigbite SET Item_Id ='$itemid',ItemName='$itemname',Veg_No
nveg='$veg_nonveg',Combopack='$combopack',Available_time='$f',Add_choice='$h',pic
ture='$picture',Rate='$rate' WHERE Item_Id = $itemid";
    if (mysqli_query($conn,$sql)) {
      echo"<script>
      alert('updated successfully')
      </script>";
```

```
}
     else {
      echo"<script>
   alert('failed to update.')
   </script>";
     }
}
?>
<!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=1.0">
   <title>BigBite</title>
   <link rel="stylesheet" href="css/style.css">
</head>
<body>
   <div id="body">
       <div id="header">
        <img src="images/logo.png" alt="logo" id="logo">
         <h1 id="first">BIGBITE</h1>
         <a id="logout" href="logout.php">Logout</a>
       </div>
       <div id="form">
          <h1 id="add1">update Item</h1>
          <br><br><br>>
          <form action="" method="POST" enctype="multipart/form-data">
          Item Id
             ']?>" required>
          Item Name
             <input type="text" name="itemname" value="<?php echo $row['It
emName']?>" required>
          Veg/Nonveg
             <input type="radio" name="veg/nonveg" value="vegetarian"<?php if(</pre>
$row["Veg_Nonveg"]=='vegitarian'){echo "checked";}?>>
```

```
<label for="vegitarian">Vegetarian</label>
               <input type="radio" name="veg/nonveg" value="non_vegetarian" <?ph</pre>
p if($row["Veg_Nonveg"]=='non_vegitarian'){echo "checked";}?>>
               <label for="non vegitarian">Non-vegetarian</label>
           Combopack
               <input type="radio" name="combo" value="yes"<?php if($row["Combop</pre>
ack"]=='yes'){echo "checked";}?>>
               <label for="yescombo">Yes</label>
               <input type="radio" name="combo" value="no"<?php if($row["Combopa</pre>
ck"]=='no'){echo "checked";}?>>
               <label for="nocombo">No</label>
               Available time
               <input type="checkbox" name="availabletime[]" value="breakfast"<?</pre>
php if(in_array("breakfast",$b)) {echo "checked";}?>>
               <label for="breakfast">Breakfast</label>
               <input type="checkbox" name="availabletime[]" value="lunch"<?php</pre>
if(in_array("lunch",$b)) {echo "checked";}?>>
               <label for="lunch">Lunch</label>
               <input type="checkbox" name="availabletime[]" value="dinner"<?php</pre>
 if(in_array("dinner",$b)) {echo "checked";}?>>
               <label for="dinner">Dinner</label>
           Add choice
               <input type="checkbox" name="addchoice[]" value="chicken"<?php if</pre>
(in array("chicken",$d)) {echo "checked";}?>>
               <label for="chicken">Extra chicken</label>
               <input type="checkbox" name="addchoice[]" value="cheese"<?php if(</pre>
in_array("cheese",$d)) {echo "checked";}?>>
               <label for="cheese">Extra cheese</label>
               <input type="checkbox" name="addchoice[]" value="myonnaise"<?php</pre>
if(in_array("myonnaise",$d)) {echo "checked";}?>>
               <label for="myonnaise">Myonnaise</label>
```

```
Picture
              <input type="file" name="pic" value="<?php echo $row['Picture
']?>" required>
           Rate
              <input type="number" name="rate" value="<?php echo $row['Rate
']?>" required>
          <br><br><
          <input class="submit" value="Update" type="submit" name="update">
        </form>
        </div>
       </div>
</body>
</html>
Delete.php
<?php
include 'connection.php';
       $itemid = $_GET['Item_Id'];
       $sql = "DELETE FROM Bigbite WHERE Item_Id = $itemid";
       if (mysqli_query($conn,$sql))
           echo"<script>
   alert('item cancelled')
   </script>";
       }
       else{
       echo"<script>
   alert('failed to cancel item')
   </script>";
       }
?>
```

```
Logout.php
<?php
session_start();
if(isset($_SESSION['user_id']))
    unset($_SESSION['user_id']);
}
header("Location: login.php");
die;
?>
Login.css
.bg {
    /* Full height */
    height: 100%;
    /* Center and scale the image nicely */
    background-position: center;
    background-repeat: no-repeat;
    background-size: cover;
}
#feild{
   width: 25%;
    height: 350px;
    background-color: rgb(151, 224, 151);
}
h1, h2{
    color: rgb(26, 25, 25);
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}
h1{
   font-size: 30px;
}
```

```
#div{
    margin-top: 35px;
}
#submit{
    height: 35px;
    width: 95px;
    border-color: rgb(88, 115, 116);
    border-width: 7px;
    background-color: darkgrey;
    color: cornsilk;
    font-
family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unico
de', Geneva, Verdana, sans-serif;
    font-weight: bold;
}
#a{
    color: rgb(27, 12, 241);
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}
.input{
    height: 30px;
    width: 300px;
}
label{
    color: rgb(24, 23, 22);
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    font-size: 17px;
}
Style.css
body {
    margin: 0;
    background-color: grey;
  }
#header{
    height: 100px;
    width: 100%;
    background-color: black;
}
```

```
#logo{
    height: 100px;
    width: 100px;
    margin-left: 25px;
}
#first{
text-align: center;
 color: white;
margin-top: -75px;
}
#logout{
    float: right;
    margin-right: 50px;
    margin-top: -50px;
}
#middle{
    margin-top: 250px;
}
#middle li{
    display: inline;
    padding: 25px;
    background-color: rgb(14, 13, 13);
    margin-left: 85px;
}
a{
    text-decoration: none;
    color: white;
}
#footer{
  background-color: black;
  width: 100%;
  height: 20px;
  display: table;
  position: fixed;
  bottom:0;
}
p{
    color: white;
    text-align: center;
    padding: 15px;
}
#form{
```

```
margin-left: 250px;
}
#add1{
  margin-left: 300px;
}
td{
    padding: 15px;
}
.submit{
    margin-left: 300px;
}
#update{
    margin-left: 300px;
}
  .table{
     margin-top: -75px;
  }
```

View.css

```
body {
   margin: 0;
   background-color: grey;
  }
#header{
   height: 100px;
   width: 100%;
   background-color: black;
}
#logo{
   height: 100px;
   width: 100px;
   margin-left: 25px;
}
#first{
text-align: center;
color: white;
margin-top: -75px;
}
```

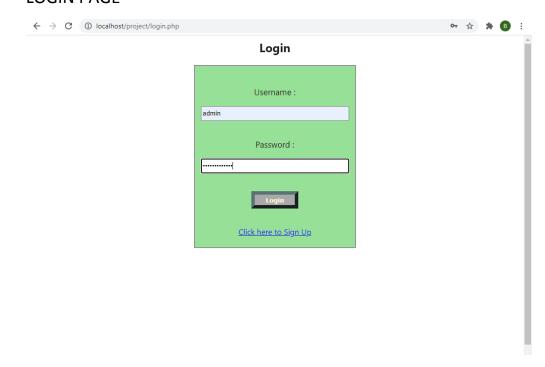
```
#logout{
   float: right;
   margin-right: 50px;
   margin-top: -50px;
}
a{
   text-decoration: none;
    color: white;
}
#footer{
 background-color: black;
 width: 100%;
 height: 20px;
 display: table;
 position: fixed;
 bottom:0;
}
p{
   color: white;
   text-align: center;
   padding: 15px;
}
.table{
   margin-top: 75px;
   margin-left: 75px;
}
/*
#table th,td,tr{
   border: 1px solid black;
}
*/
```

5.2 SCREENSHORTS

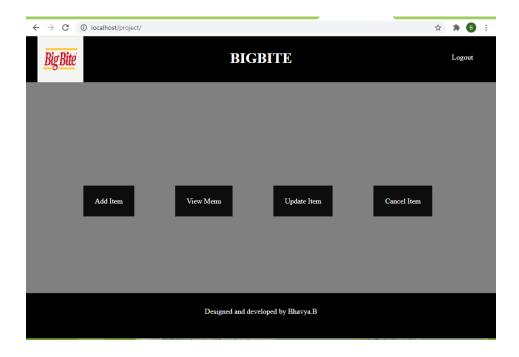
SIGN UP PAGE



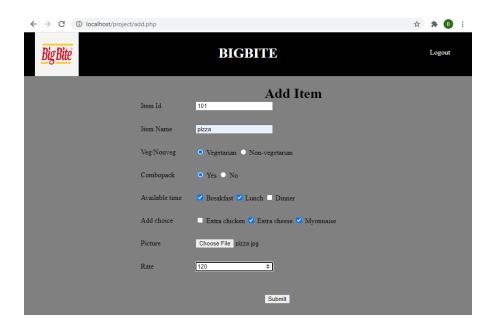
LOGIN PAGE



HOME PAGE



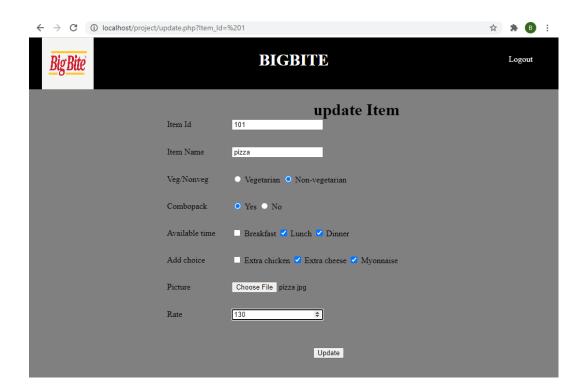
ADD ITEM PAGE



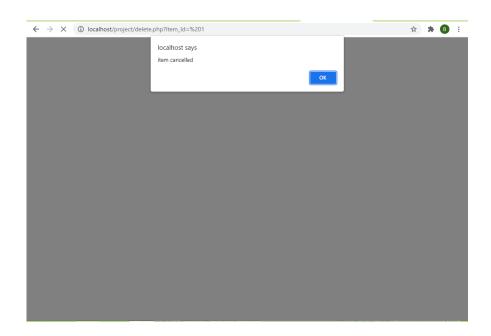
VIEW ITEM PAGE



UPDATE ITEM PAGE



CANCEL ITEM PAGE



6. CONCLUSION

This was an effort to develop a simple menu management system which may be useful in the restaurant to insert, store, handle and retrieve the information about food items. This is for computerizing the working in a restaurant.

7. REFERENCE

- 1. https://www.w3schools.com/
- 2. https://www.geeksforgeeks.org/