



American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation Finished Project Report Fall 2023-2024

Project Title: Restaurant Management System.

Section: E

Group: 3

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Restaurant Management System

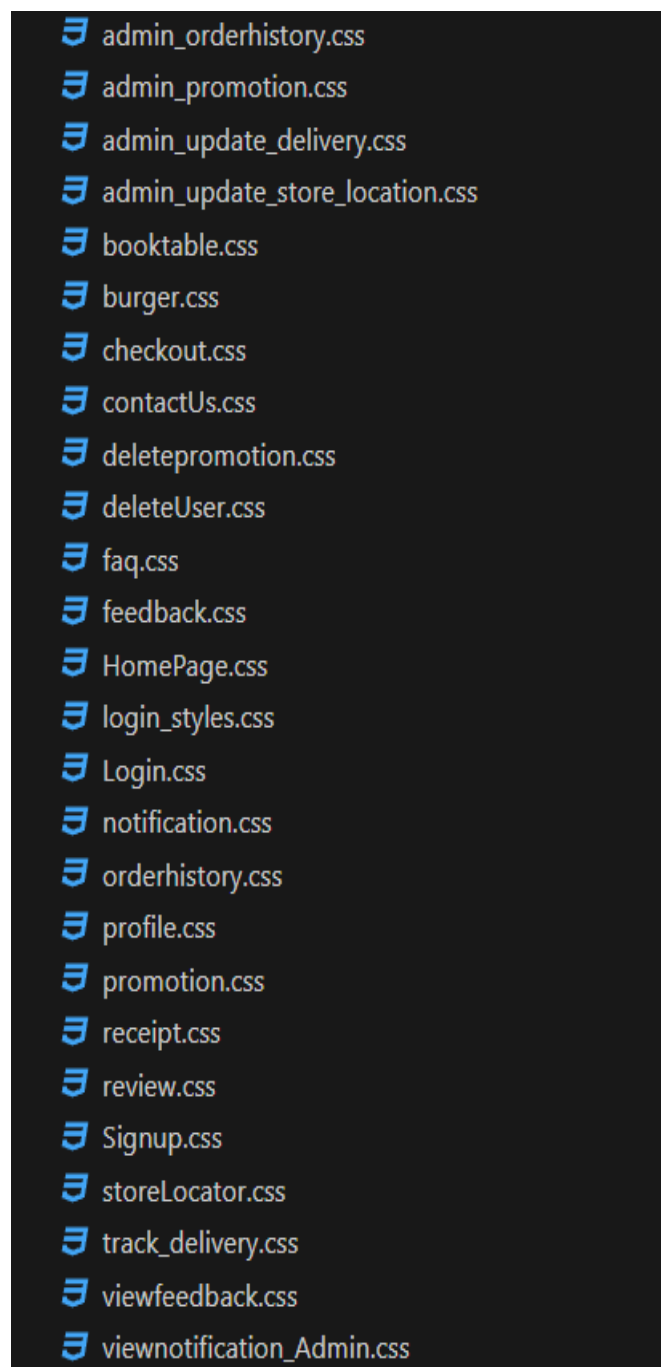
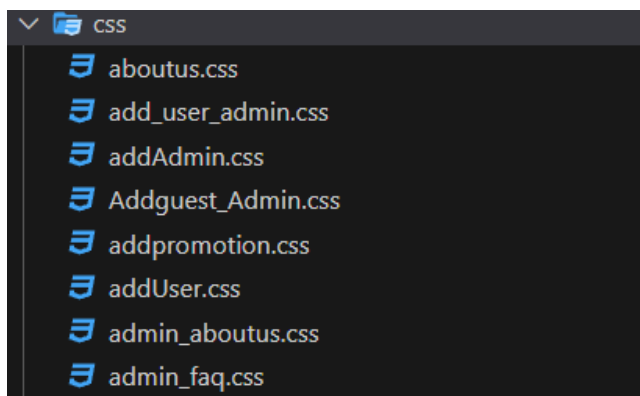
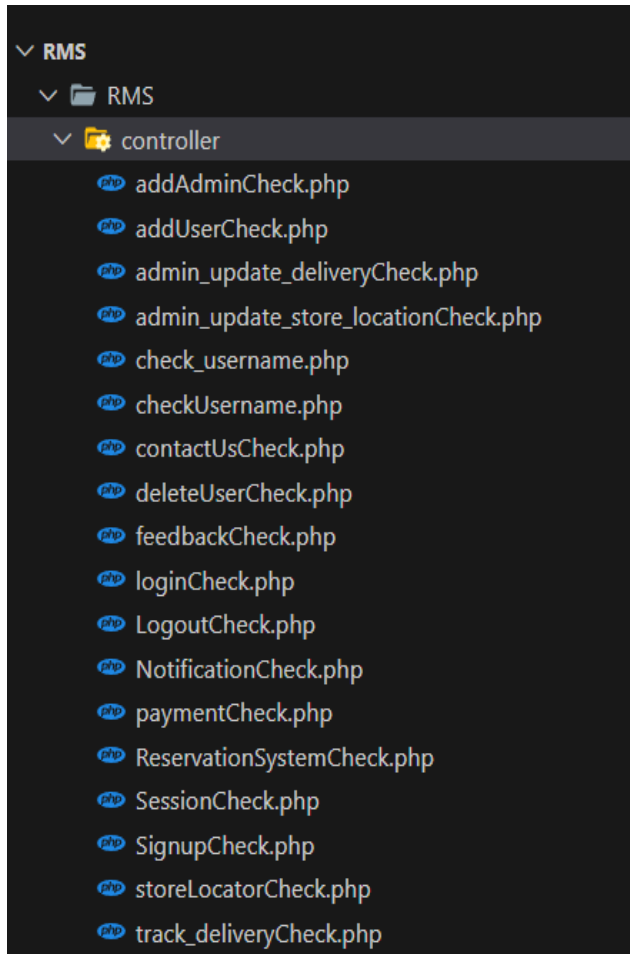
Project Description:

The Restaurant Management System is a website of a specific restaurant that allows customers to order food, track their orders, view previous orders, etc. The system has two types of users: admin and customer. The customer is the principal service recipient. The customer can register himself after providing all the credentials and proceed to login. After logging in the customer is enabled to order from a range of food items with a maximum of 10 orders for each food (for simplicity during the merger of the project we only displayed the burger container box). After ordering the customer needs to input his address and choose the payment type from cash or card options. Also, the customer needs to input the amount he intends to pay which needs to match exactly the amount asked by the website, otherwise the order will fail to be approved. In addition to these features, a customer can also book a table to dine in. As for the host, he can do a variety of tasks on this website starting from adding and deleting user(customers), including new promotions, editing contact details, FAQs and store locator, to adjusting the food items in user dashboard removing them when are unavailable and restoring them in their availability and also modify the delivery timings for the customer depending on the status of the order. The admin can also view order history, delivery status, reservations and customer feedback.

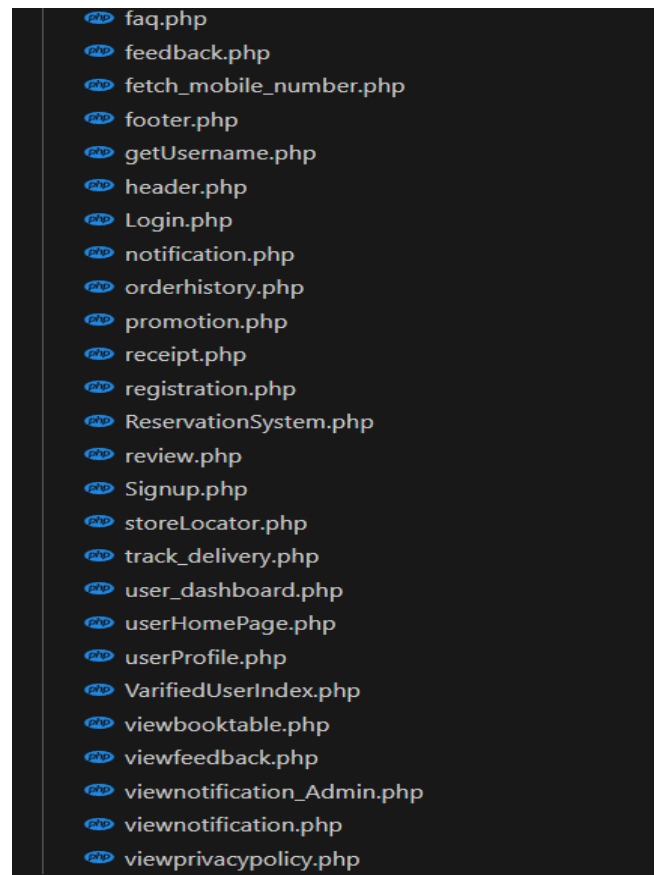
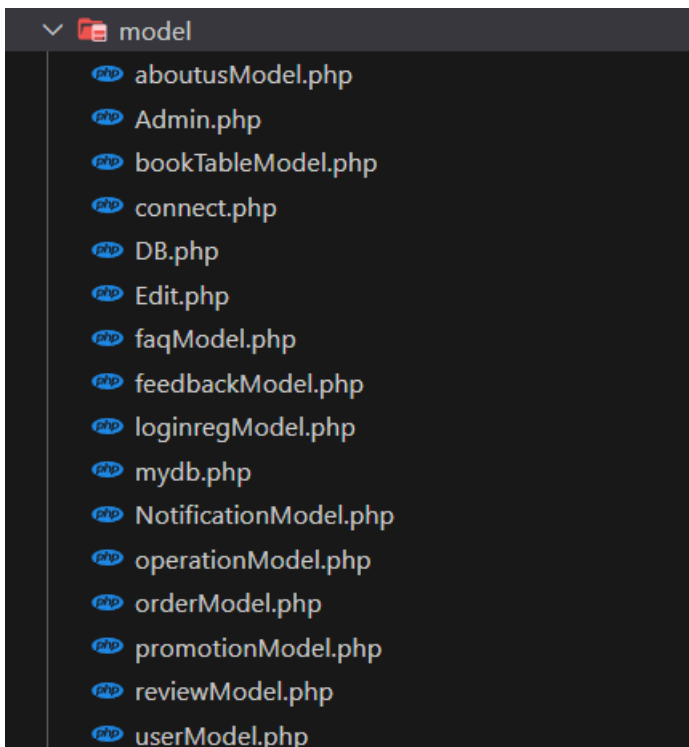
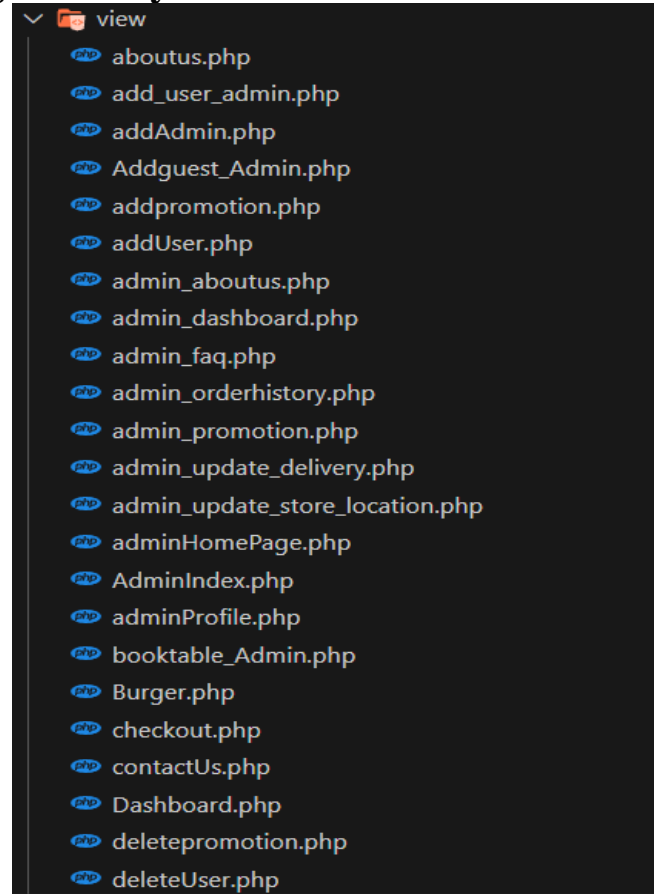
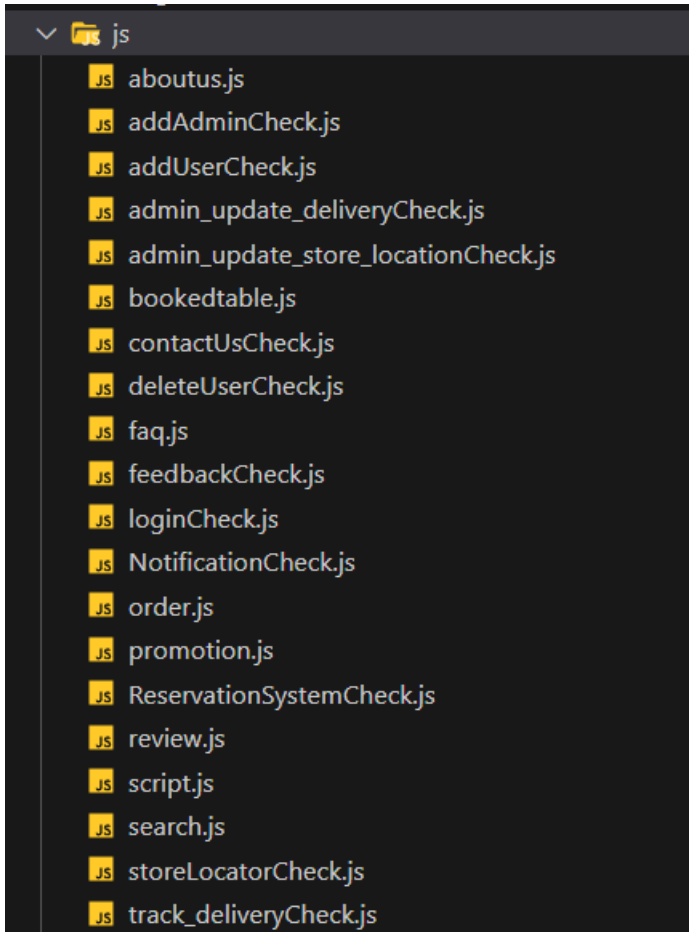


Restaurant Management System

Project Folder Structure:



Restaurant Management System



Restaurant Management System

Core Modules of the Project:

ReservationSystemCheck.js

```
function nameValidation(name) {
    for (let i = 0; i < name.length; i++) {
        const char = name[i];

        if (!rqLetter(char)) {
            return false;
        }
    }
    return true;
}

function rqLetter(char) {
    return (char >= 'A' && char <= 'Z') || (char >= 'a' && char <= 'z') || char
    === ' ';
}

function phoneNumberValidation(phone) {
    const validFormat = ['013', '014', '015', '016', '017', '018', '019'];
    const position = phone.substring(0, 3);

    if (!validFormat.includes(position)) {
        return false;
    }

    if (!isNaN(phone) && phone.length === 11) {
        return true;
    }
}

function vldf(){
    let name = document.getElementById('name').value;
    let number = document.getElementById('number').value;
    let date = document.getElementById('date').value;
    let time = document.getElementById('time').value;
    let guests = document.getElementById('guests').value;

    if (name === "" || number === "" || date === "" || time === "" || guests === "")
    {
        document.getElementById('print').innerHTML="Fill all the sections!";
        return false;
    } else if (!nameValidation(name)) {
```



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```
document.getElementById('print').innerHTML="Invalid Name. Use only  
Letters!";  
}  
else if (!phoneNumberValidation(number)) {  
    document.getElementById('print').innerHTML="Invalid phone number.  
Must be 11 digits!";  
} else {  
    // const status = bookTable(name, number, date, time, guests);  
    let xhttp = new XMLHttpRequest();  
    xhttp.open('POST', '../Controller/ReservationSystemCheck.php', true);  
    xhttp.setRequestHeader("Content-type", "application/x-www-form-  
urlencoded");  
    xhttp.onreadystatechange = function(){  
  
        if(this.readyState == 4 && this.status == 200){  
  
            document.getElementById('print').innerHTML =  
this.responseText;  
            console.log(this.responseText);  
        }  
    }  
    let params = 'name=' + name + '&number=' + number + '&date=' + date  
+ '&time=' + time + '&guests=' + guests;  
  
    xhttp.send(params);  
  
}  
}
```

addUserCheck.php

```
<?php  
require_once('../model/userModel.php');  
session_start();  
  
function NameValidation($name) {  
    for ($i = 0; $i < strlen($name); $i++) {  
        $Char = $name[$i];  
  
        if (!Rq_Letter($Char)) {  
            return false;  
        }  
    }  
    return true;  
}  
  
function Rq_Letter($char) {  
    return (($char >= 'A' && $char <= 'Z') || ($char >= 'a' && $char <= 'z') ||  
$char == ' ');  
}
```



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```
}

function UsernameValidation($username) {
    for ($i = 0; $i < strlen($username); $i++) {
        $Char = $username[$i];

        if (!Rq_Letter_number($Char)) {
            return false;
        }
    }
    return true;
}

function Rq_Letter_number($char) {
    return (($char >= 'A' && $char <= 'Z') || ($char >= 'a' && $char <= 'z') ||
    is_numeric($char));
}

function EmailValidation($email) {
    $count_a = 0;
    $count_d = 0;

    for ($i = 0; $i < strlen($email); $i++) {
        if ($email[$i] == '@') {
            $count_a++;
        } elseif ($email[$i] == '.') {
            $count_d++;
        }
    }

    return ($count_a == 1 && $count_d >= 1);
}

function PasswordValidation($password) {
    $specialCharacters = "!@#%$^&*(),.?\"':{}|<>";
    return (strlen($password) >= 6 && strpbrk($password, $specialCharacters)
    !== false);
}

function PhoneNumberValidation($phone) {
    $validformat = ['013', '014', '015', '016', '017', '018', '019'];
    $position = substr($phone, 0, 3);

    if (!in_array($position, $validformat)) {
        return false;
    }
    //$phoneNumber = substr($phone, 3);
    if(is_numeric($phone) && strlen($phone) == 11)
```



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```
{
    return true;
}

$firstname = $_POST['firstname'];
$lastname = $_POST['lastname'];
$username = $_POST['username'];
$email = $_POST['email'];
$password = $_POST['password'];
$confirmPassword = $_POST['cpassword'];
$gender = $_POST['gender'];
$phone = $_POST['phone'];
$userType= "customer";

if ($firstname == "" || $lastname == "" || $username == "" || $email == "" ||
$password == "" || $gender == "" || $phone == "") {
    echo "Null username or password or email!";
} else {

    if (!NameValidation($firstname)) {
        echo "Invalid firstname Use only Letters!";
    }
    else {
        if(!NameValidation($lastname)){
            echo "Invalid lastname Use only Letters!";
        }
        else{

            if (!UsernameValidation($username)) {
                echo "Invalid username Use letters and numeric number!";
            }
            else {

                if (!EmailValidation($email)) {
                    echo "Invalid email use mantain this format'
example@gmail.com '!";
                }
                else {

                    if (!PasswordValidation($password)) {
                        echo "Invalid password use at least 6 characters and
numeric number!";
                    }
                    else {

                        if ($password != $confirmPassword) {
                            echo "Password and confirm password do not match!";
                        }
                        else {
```



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```

        if (!PhoneNumberValidation($phone)) {
            echo "phone number Should be start with '013',
'014', '015', '016', '017', '018', '019' and contain 11 number!";
        }
        else {

                $user = ['firstName' => $firstname, 'lastName'
=> $lastname, 'username' => $username, 'email' => $email, 'password' =>
$password, 'gender' => $gender, 'phone' => $phone, 'userType' => $userType];
                $status = signup($user);
                $_SESSION['user'] = $user;
                header('Location: ../view/addUser.php');
                if ($status) {
                    echo "You have signed up successfully";
                    $_SESSION['flag'] = 'true';
                } else {
                    echo "Invalid user!";
                }
            }
        }
    }
}

?>
<br><a href="../view/addUser.php">Go back</a>

```

checkout.php

```
<?php
```

```
$foodname=$_POST['item-name'];
$quantity = $_POST['burger-quantity'];
$_SESSION['foodname']=$foodname;
$_SESSION['quantity']=$quantity;
$burgerPrice = $quantity * 8;
$totalamount = $burgerPrice;
$_SESSION['totalamount']=$totalamount;
?>
```

```
<html>
  <head>
    <title>payment</title>
```



Restaurant Management System

```
</head>
<body>
    <form action="../../../controller/paymentCheck.php" method="post" >
        <fieldset>
            <h2>Payment</h2>
            <b>Food: <?php echo $foodname;?>&nbsp;&nbsp; <?php echo $quantity;
?> x 8$ <br>
                <br>Total amount: <?php echo $totalamount; ?>$ <br>
                <br>Payment Type:
                <select name="paymenttype">
                    <option value="cash">Cash</option>
                    <option value="card">Card</option>
                </select><br><br>
                Address: <input type="text" name="adress" value="">
                <br><br>Pay Amount: <input type="number" name="amountpaid"
value="" ><br></b><br>
                <input type="submit" name="submit" value="Pay">
            </fieldset>
        </form>
    </body>
</html>
```

review.php

```
<?php
require_once('../model/reviewModel.php');
include_once('../controller/sessionCheck.php');

if (isset($_POST['reviewfor'], $_POST['reviewtext'], $_POST['ratings']))
{
    $username=$_SESSION['username'];
    $reviewfor=$_POST['reviewfor'];
    $reviewtext=$_POST['reviewtext'];
    $ratings=$_POST['ratings'];

    if($reviewfor == "" || $reviewtext == "" || $ratings == "")
    {
        echo "null value inserted";
    }
    else{
        addReview($username,$reviewfor,$reviewtext,$ratings);
        // header('location: review.php');
        // exit();
    }
}
```



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```
    }
}
$reviews=getReview();
?>

<html>
  <head>
    <title>review</title>
    <link rel="stylesheet" type="text/css" href="../css/review.css">
    <script src="../js/review.js"></script>
  </head>
  <body>
    <form action="review.php" method="post" id="fullform">
      <fieldset>
        <legend>Review</legend>
        review for:
        <select id="reviewfor" name="reviewfor">
          <option value="food">Food</option>
          <option value="retaurant">Restaurant</option>
        </select>
        <br><br>your review: <textarea id="reviewtext"
name="reviewtext" cols="20" rows="2"></textarea>
        <br>your ratings: <select id="ratings" name="ratings">
          <option value="1">1 star</option>
          <option value="2">2 star</option>
          <option value="3">3 star</option>
          <option value="4">4 star</option>
          <option value="5">5 star</option>
        </select>
        <h2 id="h1"></h2>
        <br><input type="button" name="submit" value="Submit"
onClick="ajax()"/>

      </fieldset>
      <br>

      <br>

      <p><h2>All Reviews</h2></p>
      <table border="1" width=50%>

        <tr>
          <th>username</th>
          <th>reviewType</th>
          <th>review</th>
          <th>rating</th>

        </tr>
        <?php for($i=0;$i<count($reviews);$i++)
        {?>
```



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```

<tr>

        <td><?=$reviews[$i]['username']?></td>
        <td><?=$reviews[$i]['reviewType']?></td>
        <td><?=$reviews[$i]['review']?></td>
        <td><?=$reviews[$i]['rating']?></td>

    <?php    }?>
    </tr>

</table>
</form>
</body>
</html>
<?php
?>
    
```

CO2 and CO4 Evaluation: Project Report Evaluation					
Completeness (5)	Validation (5)	Feature Implementation (5)	Concept Understanding (5)	Promptness (5)	Total (25)

