

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Spring 2019-2020**

**Project Title: Ticket Booking System**

**Section: E**

|  |  |
| --- | --- |
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**Project Description:**

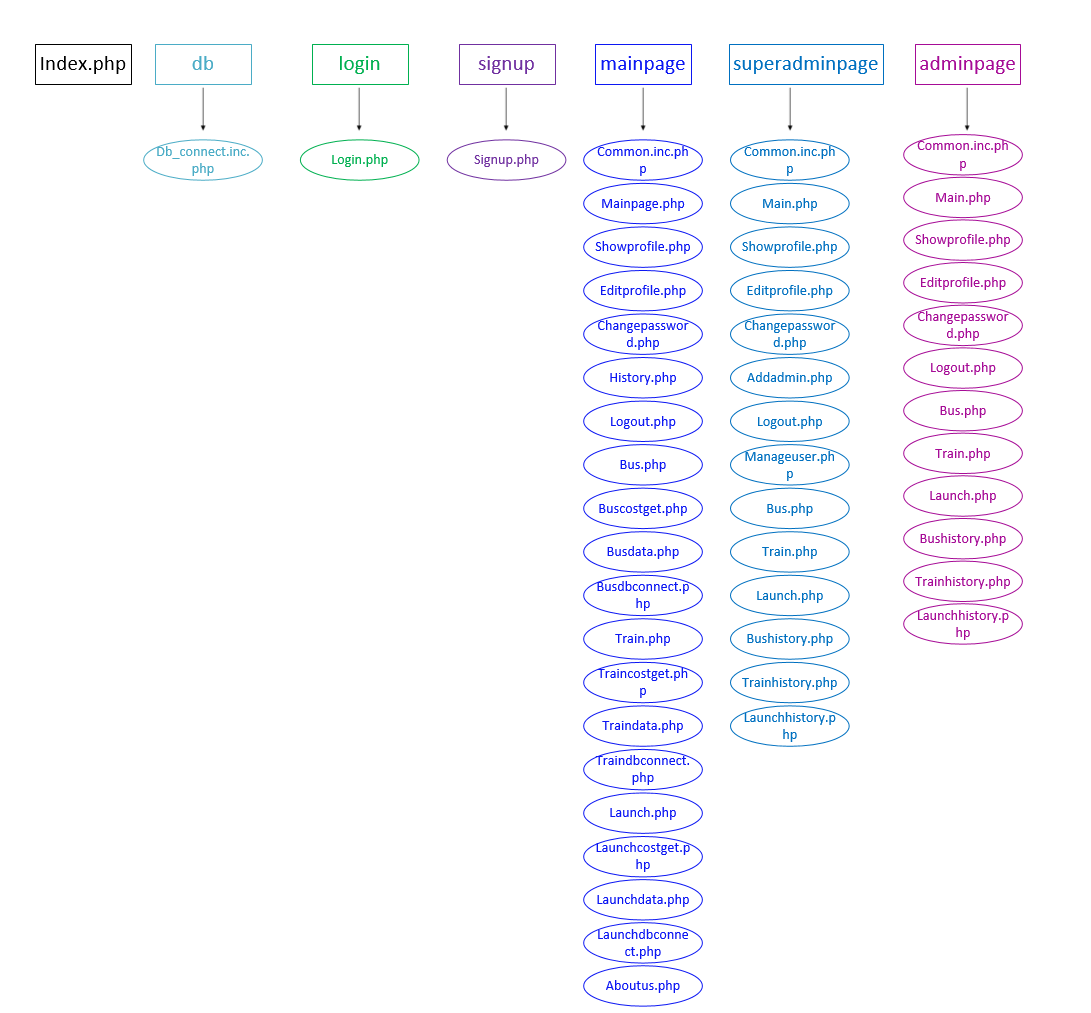
*In this project a user can make a booking of bus, train and launch. There are 3 types of users in the project: Admin, Super Admin and User.*

*The features of each user types are given bellow:*

* ***Super Admin:*** *A* ***super admin*** *can add* ***admin****, view every type of booking history and can cancel any booking.* ***Super admin*** *also can remove a user of user type and can change password for them if they forget their password. Also, a* ***super admin*** *can remove or add bus, train, launch in the list and can see the history of bookings of every transport and can cancel order as well. After canceling a booking the available seat increases & 10% of the payment is cut as a penalty.*
* ***Admin:*** *An* ***admin*** *can do every thing which a* ***super admin*** *can do except for adding* ***admin****, removing* ***user*** *and change password of a* ***user****.*
* ***User:*** *A* ***user*** *can make a booking of any transport if there is available seat. But they cannot make a booking of seat not more than 4 at a time. Also, can view own booking history. If user want to cancel or change password or want to add balance then he/she must contact* ***admin.***

*All of the user type has some identical feature line view own profile, edit own details, change own password etc.*

**Project Folder Structure:**

****

**Core Modules of the Project:**

***login.php***

<?php

include "../db/db\_connect.inc.php";

session\_start();

$username = $password = $type = "";

$usernameErr = $passwordErr = $message = $result = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST['username'])) {

        $usernameErr = "Username cannot be empty!";

    } else {

        $username =  mysqli\_real\_escape\_string($conn, $\_POST['username']);

    }

    if (empty($\_POST['password'])) {

        $passwordErr = "Password cannot be empty!";

    } else {

        $password =  mysqli\_real\_escape\_string($conn, $\_POST['password']);

    }

    $sqlUserCheck = "SELECT username, password, type FROM login WHERE username = '$username'";

    $result = mysqli\_query($conn, $sqlUserCheck);

    $rowCount = mysqli\_num\_rows($result);

    if ($rowCount < 1) {

        $message = "User does not exist!";

    } else {

        while ($row = mysqli\_fetch\_assoc($result)) {

            $uPassInDB = $row['password'];

            $type = $row['type'];

        }

        if ((password\_verify($password, $uPassInDB)) && ($type == "user")) {

            $\_SESSION['username'] = $username;

            //$message = "Password Matched!";

            header("Location: ../mainpage/mainpage.php");

        } else if ((password\_verify($password, $uPassInDB)) && ($type == "admin")) {

            $\_SESSION['username'] = $username;

            header("Location: ../adminpage/main.php");

        } else if ((password\_verify($password, $uPassInDB)) && ($type == "superadmin")) {

            $\_SESSION['username'] = $username;

            header("Location: ../superadminpage/main.php");

        } else {

            $message = "Wrong Password!";

        }

        /\*if (password\_verify($password, $uPassInDB)) {

            $\_SESSION['username'] = $username;

            //$message = "Password Matched!";

            header("Location: ../mainpage/mainpage.php");

        } else {

            $message = "Wrong Password!";

        }\*/

    }

}

?>

<!DOCTYPE html>

<html>

<head>

    <title>Login</title>

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

</head>

<body>

    <div class="loginbox">

        <img src="user.png" class="avatar">

        <h1>Login Here</h1>

        <form action="login.php" method="POST">

            <p>Username</p>

            <input type="text" name="username" placeholder="Enter Username" value="<?php echo $username; ?>"><br><span><?php echo $usernameErr; ?></span>

            <p>Password</p>

            <input type="password" name="password" placeholder="Enter Password"><br><span><?php echo $passwordErr ?></span>

            <span style="color:red"><?php echo $message; ?></span>

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

            <a href="../changepassword/changepassword.php">Forget password?</a><br>

            <a href="../signup/signup.php">Don't have an account?</a>

        </form>

    </div>

</body>

</html>

**../mainpage/bus.php**

<?php

include "../mainpage/common.inc.php";

$board = $destination  = $choose\_type = $bus\_list = "";

$boardErr = $destinationErr = $numberErr = $choose\_typeErr = $bus\_listErr = "";

$payment = $per\_seat\_cost = $number = $number = $seat = $chosen\_number = $available\_seat = $balance = $new\_balance = 0;

if (isset($\_POST['reset'])) {

    header("Location: ../mainpage/bus.php");

}elseif (isset($\_POST['confirm'])){

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

        if (empty($\_POST['board'])) {

            $boardErr = "Please Select a board location.";

        } else {

            $board = $\_POST['board'];

        }

        if (empty($\_POST['destination'])) {

            $destinationErr = "Please Select board or destination location.";

        } else {

            if ($board == $\_POST['destination']) {

                $destinationErr = "Board & destination Location cannot be same.";

            } else {

                $destination = $\_POST['destination'];

            }

        }

        if (empty($\_POST['choose\_type'])) {

            $choose\_typeErr = "Please Select the type of bus.";

        } else {

            $choose\_type = $\_POST['choose\_type'];

        }

        if (empty($\_POST['bus\_list'])) {

            $bus\_listErr = "Please Select a destination location.";

        } else {

            $bus\_list = $\_POST['bus\_list'];

        }

        if (empty($\_POST['number'])) {

            $numberErr = "Please Select a number of seat.";

        } else {

        }

        if (!empty($\_POST['board']) && !empty($\_POST['destination']) && !empty($\_POST['number']) && !empty($\_POST['choose\_type']) && !empty($\_POST['bus\_list'])) {

            $chosen\_number = $\_POST['number'];

            $sql\_seat\_check = "SELECT available\_seat FROM bus\_list WHERE id='$bus\_list' and board = '$board' and destination = '$destination'";

            $seat = mysqli\_query($conn, $sql\_seat\_check);

            while ($row = mysqli\_fetch\_assoc($seat)) {

                $available\_seat = $row['available\_seat'];

            }

            if ($available\_seat >= $chosen\_number) {

                $number = $chosen\_number;

                $username = $\_SESSION['username'];

                $sql\_bus\_check = "SELECT id, cost from bus\_list WHERE id='$bus\_list' and board = '$board' and destination = '$destination'";

                $result = mysqli\_query($conn, $sql\_bus\_check);

                while ($row = mysqli\_fetch\_assoc($result)) {

                    //$bIdInDB = $row['id'];

                    $per\_seat\_cost = $row['cost'];

                }

                $payment = $per\_seat\_cost \* $number;

                //checking user balance

                $sql\_balance\_check = "SELECT balance from login WHERE username='$username'";

                $balance\_result = mysqli\_query($conn, $sql\_balance\_check);

                while ($row = mysqli\_fetch\_assoc($balance\_result)) {

                    $balance = $row['balance'];

                }

                if ($balance >= $payment) {

                    //insert into bus history table

                    $sql\_insert\_into\_history = "INSERT INTO bus\_history (username, bus\_id, seat, payment, status) VALUES ('$username', '$bus\_list', '$number', '$payment', 'paid');";

                    mysqli\_query($conn, $sql\_insert\_into\_history);

                    $new\_balance = $balance - $payment;

                    //updating balance after successfull ticket booking

                    $sql\_update\_balance = "UPDATE login SET balance='$new\_balance' WHERE username='$username'";

                    mysqli\_query($conn, $sql\_update\_balance);

                    //updating available seat number

                    $new\_available\_seat = $available\_seat - $number;

                    $sql\_update\_available\_seat = "UPDATE bus\_list SET available\_seat='$new\_available\_seat' WHERE id='$bus\_list'";

                    mysqli\_query($conn, $sql\_update\_available\_seat);

                    $numberErr = "Successfully booked";

                    $board = $destination = $choose\_type = $bus\_list = "";

                    $number = 0;

                } else {

                    $numberErr = "You don't have sufficient balance";

                }

            } else {

                $numberErr = "The number of seat you want is not available";

            }

        }

    }

}

?>

<!DOCTYPE html>

<html>

<head>

    <title></title>

    <link rel="stylesheet" href="bus.css">

    <script src="https://code.jquery.com/jquery-3.4.1.js" integrity="sha256-WpOohJOqMqqyKL9FccASB9O0KwACQJpFTUBLTYOVvVU=" crossorigin="anonymous"></script>

    <script type="text/javascript">

        $(document).ready(function() {

            $("#board").change(function() {

                var bid = $("#board").val();

                $("#destination").change(function() {

                    var did = $("#destination").val();

                    $("#choose\_type").change(function() {

                        var btype = $("#choose\_type").val();

                        $.ajax({

                            url: 'busdata.php',

                            method: 'post',

                            data: {

                                bid: bid,

                                did: did,

                                btype: btype

                            }

                        }).done(function(bus\_list) {

                            console.log(bus\_list);

                            bus\_list = JSON.parse(bus\_list);

                            $('#bus\_list').empty();

                            bus\_list.forEach(function(bus\_list) {

                                $('#bus\_list').append('<option value="' + bus\_list.id + '">' + bus\_list.name + '</option>')

                            })

                        })

                    })

                })

            })

        })

        function board\_change() {

            document.getElementById('destination').style.display = 'block';

            document.getElementById('destination\_label').style.display = 'block';

            document.getElementById('board').style.display = 'none';

            document.getElementById('board\_label').style.display = 'none';

        }

        function destination\_change() {

            document.getElementById('number').style.display = 'block';

            document.getElementById('number\_label').style.display = 'block';

            document.getElementById('destination').style.display = 'none';

            document.getElementById('destination\_label').style.display = 'none';

        }

        function number\_change(){

            document.getElementById('choose\_type').style.display = 'block';

            document.getElementById('choose\_type\_label').style.display = 'block';

            document.getElementById('number').style.display = 'none';

            document.getElementById('number\_label').style.display = 'none';

        }

        function show\_per\_seat\_cost(str, number) {

            var xhttp;

            if (str == "") {

                document.getElementById("txtHint").innerHTML = "";

                return;

            }

            xhttp = new XMLHttpRequest();

            xhttp.onreadystatechange = function() {

                if (this.readyState == 4 && this.status == 200) {

                    document.getElementById("txtHint").innerHTML = this.responseText;

                }

            };

            xhttp.open("GET", "buscostget.php?q=" + str + "&r=" + number, true);

            xhttp.send();

        }

    </script>

</head>

<body>

    <div class="box">

        <h1>Ticket booking here</h1>

        <form action="bus.php" method="post">

            <p id="board\_label">Board Location:</p>

            <select name="board" id="board" onchange="board\_change()">

                <option selected="" disabled="">Select City</option>

                <?php

                require 'busdata.php';

                $bus\_list = load\_bus\_board();

                foreach ($bus\_list as $bus\_list) {

                    echo "<option id='" . $bus\_list['board'] . "' value='" . $bus\_list['board'] . "'>" . $bus\_list['board'] . "</option>";

                }

                ?>

            </select>

            <p id="destination\_label" style="display: none">Destination Location:</p>

            <select name="destination" id="destination" style="display: none" onchange="destination\_change('', '')">

                <option selected="" disabled="">Select City</option>

                <?php

                $bus\_list = load\_bus\_destination();

                foreach ($bus\_list as $bus\_list) {

                    echo "<option id='" . $bus\_list['destination'] . "' value='" . $bus\_list['destination'] . "'>" . $bus\_list['destination'] . "</option>";

                }

                ?>

            </select>

            <p id="number\_label" style="display: none">Number of Ticket Need</p>

            <select id="number" name="number" style="display: none" onchange="number\_change()">

                <option disabled="" selected="">Select</option>

                <option value="1">+1</option>

                <option value="2">+2</option>

                <option value="3">+3</option>

                <option value="4">+4</option>

            </select><br>

            <p id="choose\_type\_label" style="display: none">Choose Type: </p>

            <select id="choose\_type" name="choose\_type" style="display: none">

                <option selected="" disabled="">Choose Bus Type</option>

                <option id="ac" value="ac">AC</option>

                <option id="nonac" value="nonac">Non Ac</option>

            </select><br>

            <p id="bus\_list\_label">Choose Bus</p>

            <select name="bus\_list" id="bus\_list" onclick="show\_per\_seat\_cost(this.value, number.value)">

                <option selected="" disabled="">Select Bus</option>

            </select>

            <br>

            <div style="color: green" id="txtHint">You will see Per seat cost & Total cost here.</div><br>

            <input type="submit" name="reset" Value="Reset">

            <input type="submit" name="confirm" value="Confirm" id="submit">

            <p style="color: yellow"><?php echo $numberErr; ?></p><br>

            <p style="color: yellow"><?php echo $destinationErr; ?></p>

            <p style="color: yellow"><?php echo $choose\_typeErr; ?></p>

        </form>

    </div>

</body>

</html>

**../superadminpage/bushistory.php**

<?php

    include "../superadminpage/common.inc.php";

    include "../db/db\_connect.inc.php";

    session\_start();

    if (!isset($\_SESSION['username'])) {

        header("Location: ../login/login.php");

    }

    /\*For Cancel Order\*/

$id = $idErr = $username = $bus\_id = $seat = $payment = "";

$payment = $seat = $balance = $balanceInDB = $return\_payment = 0;

if (isset($\_POST['Confirm'])) {

    if (empty($\_POST['id'])) {

        $idErr = "This Field Cannot be empty!";

    } else {

        $id = mysqli\_real\_escape\_string($conn, $\_POST['id']);

    }

    if (!empty($id)) {

        $sql\_Get\_History = "SELECT \* FROM bus\_history WHERE id='$id' AND status='paid'";

        $result = mysqli\_query($conn, $sql\_Get\_History);

        $rowCount = mysqli\_num\_rows($result);

        if ($rowCount < 1) {

            $idErr = "The history with this ID is already canceled or wrong input!";

        } else {

            while ($row = mysqli\_fetch\_assoc($result)) {

                $username = $row['username'];

                $bus\_id = $row['bus\_id'];

                $seat = $row['seat'];

                $payment = $row['payment'];

            }

            //return seat to available seat

            $sql\_return\_seat = "UPDATE bus\_list SET available\_seat='$seat' WHERE id='$bus\_id'";

            mysqli\_query($conn, $sql\_return\_seat);

            //return 90% of payment

            $return\_payment = $payment \* 0.9;

            $sql\_get\_balance = "SELECT balance FROM login WHERE username='$username'";

            $balanceResult = mysqli\_query($conn, $sql\_get\_balance);

            while ($row = mysqli\_fetch\_assoc($balanceResult)) {

                $balanceInDB = $row['balance'];

            }

            $balance = $balanceInDB + $return\_payment;

            $sql\_return\_payment = "UPDATE login SET balance='$balance' WHERE username='$username'";

            mysqli\_query($conn, $sql\_return\_payment);

            //update the history status to canceled

            $sqll = "UPDATE bus\_history SET status='canceled' WHERE id='$id';";

            mysqli\_query($conn, $sqll);

            $payment = $seat = $balance = $balanceInDB = $return\_payment = 0;

            $idErr = "Booking canceling successful.";

        }

    }

}

/\*For Cancel Order\*/

?>

<!DOCTYPE html>

<html>

<head>

    <title>History</title>

    <meta charset="UTF-8">

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

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <link rel="stylesheet" href="history.css">

</head>

<body>

    <div class="table">

        <h1>Bus History Table</h1>

        <section>

        <div class=tab1>

                <table class="content-table">

                    <thead>

                        <tr>

                            <th>ID</th>

                            <th>Username</th>

                            <th>BUS Name</th>

                            <th>Source</th>

                            <th>Destination</th>

                            <th>Seat</th>

                            <th>Date</th>

                            <th>Payment</th>

                            <th>Status</th>

                        </tr>

                    </thead>

                    <?php

                    /\*pagination\*/

                    $rpp=05;

                    isset($\_GET['page'])?$page =$\_GET['page']:$page=0;

                    if($page>1){

                        $start =($page \* $rpp)-$rpp;

                    }else{

                        $start=0;

                    }

                    $sqli="SELECT \*FROM bus\_history";

                    $resultSet=mysqli\_query($conn,$sqli);

                    $numRows=mysqli\_num\_rows($resultSet);

                    $totalpages=ceil($numRows/$rpp);

                    /\*pagination\*/

                    $sql = "SELECT bus\_history.id, bus\_history.username, bus\_list.name, bus\_list.board, bus\_list.destination, bus\_history.seat, bus\_history.date, bus\_history.payment,bus\_history.status FROM bus\_history INNER JOIN bus\_list ON bus\_history.bus\_id = bus\_list.id LIMIT $start,$rpp";

                    $result = mysqli\_query($conn, $sql);

                    $rowCount = mysqli\_num\_rows($result);

                    if ($rowCount > 0) {

                        while ($row = mysqli\_fetch\_assoc($result)) {

                            echo "<tbody>

                            <tr>

                            <td>" . $row['id'] . "</td>

                            <td>" . $row['username'] . "</td>

                            <td>" . $row['name'] . "</td>

                            <td>" . $row['board'] . "</td>

                            <td>" . $row['destination'] . "</td>

                            <td>" . $row['seat'] . "</td>

                            <td>" . $row['date'] . "</td>

                            <td>" . $row['payment'] . "</td>

                            <td>" . $row['status'] . "</td>

                            </tr>

                            </tbody>";

                        }

                        echo "</table>";

                    } else {

                        echo $message = "No History!";

                    }

                    /\*pagination\*/

                    if($page>1)

                    {

                        echo "<a href='?page=".($page-1)."' class='btn'>Previous<</a>";

                    }

                    for($x=1;$x <= $totalpages;$x++){

                        echo "<a href='?page=$x' class='btn'>   $x</a>";

                    }

                    if($x>1)

                    {

                        echo "<a href='?page=".($page+1)."' class='btn'>Next></a>";

                    }

                    /\*pagination\*/

                    ?>

                </table>

            </div>

        </section>

        <form action="bushistory.php" method="post">

            <span style="color:red"><?php echo $idErr?></span><br>

            <label>Cancel Order here! <input type="number" name="id" placeholder="Enter Order Id here"> <input type="submit" name="Confirm" value="Confirm"></label>

        </form>

    </div>

</body>

</html>

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