



American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation Finished Project Report Spring 2019-2020

Project Title: Railway Management System
Section: j

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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)

Railway Management System

Project Description:

We have done an online railway ticket booking system as our 3rd year project. We have used web based technology (PHP[1], HTML, CSS, Javascript) to develop the system. This is the most reliable and efficient solution for railway ticket booking services.

The functionalities of Customers: Customers can register and then can login to the web site. Then they can buy maximum 4 tickets at a time and they can also see the total price of the tickets by auto calculated system. When they want to buy a ticket they can select date, starting and end stations for checking, is there any train for that path on that day. Customer can also cancel the tickets. They can directly contact with the authority also.

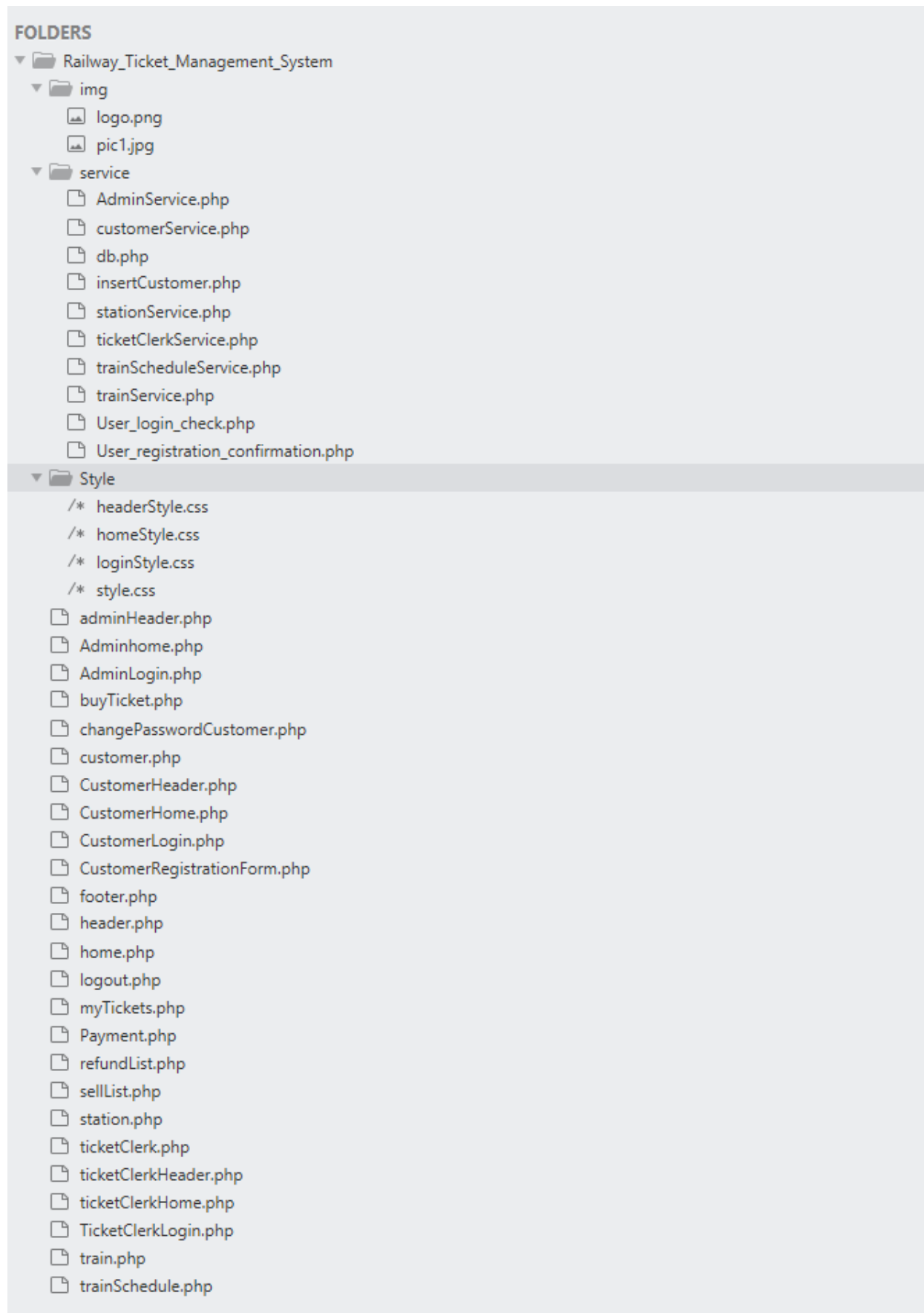
The functionalities of Ticket clerk: Ticket clerk can assign new train, station and time schedule of the train and also can edit their profile. They can also register customer for them. Ticket clerk can also change the status of train, station and customer.

The functionalities of Admin: Admin can assign new ticket clerk and can also edit his/her profile. He/She can also change the status of the ticket clerk. Admin can see the sell list and refund list.



Railway Management System

Project Folder Structure:



Railway Management System

Core Modules of the Project:

Here, add *THREE* of your *CORE* modules' source code with appropriate filename as heading. (Use either `consolas` or `courier new` font for source code)

For example:

CustomerLogin.php

```
<?php
session_start();
?>
<html>
<head>
<title>Login Form Design</title>
<link rel="stylesheet" type="text/css" href="style/LoginStyle.css">
<body>
    <div class="Loginbox">
        <h1>Customer Login</h1>
        <?php if (isset($_SESSION['message'])): ?>
            <div class="msg">
                <?php
                    echo $_SESSION['message'];

                    unset($_SESSION['message']);
                ?>
            </div>
        <?php endif ?>

        <form method="post" action="service/customerService.php">
            <p>ID:</p>
            <input type="text" name="cid" >
            <p>Password:</p>
            <input type="password" name="cpassword" >
            <input type="submit" name="Login" >

            <a href="CustomerRegistrationForm.php">Don't have an account?</a><br>
            <a href="AdminLogin.php">Admin</a><br>
            <a href="TicketClerkLogin.php">ticket clerk</a>
        </form>

    </div>

</body>
</head>
</html>
```

CustomerService.php

```
<?php
session_start();
require "db.php";
```



Railway Management System

```
// initialize variables
```

```
if (isset($_POST['save'])) {
```

```
    $cname = $_POST['cname'];
    $caddress = $_POST['caddress'];
    $cmobile=$_POST['cmobile'];
    $cemail=$_POST['cemail'];
    $cpassword=$_POST['cpassword'];
    $cdob=$_POST['cdob'];
    $cstatus=$_POST['cstatus'];
```

```
    $sql="INSERT INTO customer (cname, caddress,cmobile,cemail,cpassword,cdob,cstatus) VALUES
('$cname', '$caddress', '$cmobile', '$cemail', '$cpassword', '$cdob', '$cstatus')";
    executeSQL($sql);
```

```
    $_SESSION['message'] = "customer Info saved!". $cname. $cemail;
```

```
    header('Location: ../customer.php');
```

```
}
```

```
if (isset($_POST['update'])) {
```

```
    $cid = $_POST['cid'];
    $cname = $_POST['cname'];
    $caddress = $_POST['caddress'];
    $cmobile=$_POST['cmobile'];
    $cemail=$_POST['cemail'];
    //$cpassword=$n['cpassword'];
    $cdob=$_POST['cdob'];
    $cstatus=$_POST['cstatus'];
```

```
    $sql="UPDATE customer SET cname='$cname',
caddress='$caddress',cmobile='$cmobile',cemail='$cemail',cdob='$cdob',cstatus='$cstatus' WHERE cid=$cid";
    executeSQL($sql);
```

```
    $_SESSION['message'] = "customer Info updated!";
```

```
    header('Location: ../customer.php');
```

```
}
```

```
if (isset($_GET['del'])) {
```

```
    $cid = $_GET['del'];
    $sql="DELETE FROM customer WHERE cid=$cid";
    executeSQL($sql);
    $_SESSION['message'] = "customer deleted!";
    header('Location: ../customer.php');
```

```
}
```

```
if (isset($_POST['Login'])) {
```

```
    $cid = $_POST['cid'];
```

```
    $cpassword=$_POST['cpassword'];
```

```
    $sql = "SELECT * FROM Customer WHERE cid = '$cid' and cpassword = '$cpassword'";
```



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```
$result=executeSQL($sql);
$count = mysqli_num_rows($result);

if($count == 1) {
//      $_SESSION['message']="Login succesfull!";
      $_SESSION['login']="clogin";
      $_SESSION['id']=$cid;
      header("location: ../customerhome.php");
}
else {

      $error = "Your Login Name or Password is invalid";
      $_SESSION['message']=$error;
      header('location: ../customerLogin.php');

}

}

if(isset($_POST['pay'])){
$tobookedseat = $_SESSION['tobookedseat'];
$cid=$_SESSION['id'];
$trid =$_SESSION['trid'];
$strprice =$_SESSION['trprice'];
$nooftickets = $_POST['nooftickets'];
$newtobookedseat=$tobookedseat+$nooftickets;
$toid=$_SESSION['toid'];
$titransactionno=$_POST['titransactionno'];
$tipaymentmethod=$_POST['tipaymentmethod'];
$tistatus=1;
$count=1;
$sql="UPDATE totalbookedseatbydate SET tobookedseat='$newtobookedseat' WHERE toid=$toid";
executeSQL($sql);

echo"updated";
while($count<=$nooftickets){
    $tobookedseat=$tobookedseat+1;
    $sql="INSERT INTO ticket (cid,
trid,tiprice,tiseatno,titransactionno,tipaymentmethod,tistatus) VALUES ('$cid',
'$trid','$strprice','$tobookedseat','$titransactionno','$tipaymentmethod','$tistatus')";
    executeSQL($sql);
    $count++;
}

    $_SESSION['message']="tickets successfull done";
    header('location: ../mytickets.php');

}

if (isset($_GET['cancel'])) {
    $tiid=$_GET['cancel'];
    $sql="UPDATE ticket SET tistatus='0' WHERE tiid=$tiid";
    executeSQL($sql);

    $_SESSION['message'] = "ticket canceled!";
}
```



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```
header('Location: ../mytickets.php');  
}
```

Payment.php

```
<!DOCTYPE html>  
<?php  
    session_start();  
    require "service/db.php";  
?>  
<html>  
<head>  
    <title>Payment</title>  
    <link rel="stylesheet" type="text/css" href="style/style.css">  
</head>  
<body>  
    <?php  
        include('customerHeader.php');  
  
        $trid = $_GET['trid'];  
        $tobookedseat = $_GET['tobookedseat'];  
        $trseatcapacity = $_GET['trseatcapacity'];  
        $trprice = $_GET['trprice'];  
        $toid = $_GET['toid'];  
        $_SESSION['trid'] = $_GET['trid'];  
        $_SESSION['tobookedseat'] = $_GET['tobookedseat'];  
        $_SESSION['trseatcapacity'] = $_GET['trseatcapacity'];  
        $_SESSION['trprice'] = $_GET['trprice'];  
        $_SESSION['toid'] = $_GET['toid'];  
  
        $availableseat = $trseatcapacity - $tobookedseat;  
        $ticketscanbuy = 0;  
        if($availableseat >= 4){  
            $ticketscanbuy = 4;  
        }  
        elseif($availableseat < 0){  
            $ticketscanbuy = 0;  
        }  
        else{  
            $ticketscanbuy = $availableseat;  
        }  
  
        ?>  
  
        <form method="post" action="service/customerservice.php" >  
  
        <div class="input-group">  
            <label>Cost per seat</label>  
            <?php echo $trprice; ?>  
            <input type="hidden" id="price" name="t" value="<?php echo $trprice; ?>">  
        </div>  
        <div class="input-group">  
  
            <?php echo "You can buy ".$ticketscanbuy." tickets at Max "; ?>  
  
            <label>No of tickets</label>  
            <select name="nooftickets" id="nooftickets">  
                <?php
```



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```

        $count=1;
        while($count<=$ticketscanbuy){
            echo '<option value="'. $count. '" ">'. $count. '</option>';
            $count++;
        }
    ?>
</select>
</div>
<div class="input-group">
    <label>Total Cost</label>
    <p id="totalcost"><?php echo $trprice;?></p>
</div>

<div class="input-group">
    <label>Payment method</label>
    <select name="tipaymentmethod" id="paymentmethod" >
        <option value="1">Bikash</option>
        <option value="2">Bank</option>
        <option value="3">Nagat</option>

    </select>
</div>
<div class="input-group">
    <label>Send money to our</label>
    <p id="accountno">bikash account :016-XXXXXXX</p>
</div>

<div class="input-group">
    <label>Transaction No</label>
    <input type="text" name="titransactionno" >
</div>

<div class="input-group">

    <button class="btn" type="submit" name="pay" >Pay</button>

</div>
</form>

```

```

<script>
document.getElementById('nooftickets').onchange = function() {
    var a = this.value;
    var b= document.getElementById('price').value;
    var x=a*b;
    document.getElementById("totalcost").innerHTML = x;
};
document.getElementById('paymentmethod').onchange = function() {
    var a = this.value;
    if(a==1){
        document.getElementById("accountno").innerHTML = "bikash account :016-XXXXXXX";
    }
    else if(a==2){
        document.getElementById("accountno").innerHTML = "bank account :123-XXXXX-XX-X";
    }
    else{
        document.getElementById("accountno").innerHTML = "Nagat account :016-XXXXXXX";
    }
}

```



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```
}  
};  
</script>  
</body>  
</html>
```

