

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Spring/Summer/Fall 2021-2022**

**Project Description:**

The Online Train Ticket Reservation System is a web-based application that enables users to book train tickets online. The system allows users to search for trains based on various criteria such as origin, destination, date, and time. Once the user selects a train, they can view the available seats and select their preferred seat(s).

The system has four actors: passenger, employee, vendor and the admin. The customer can search for trains, book tickets, view their booking history, and cancel their bookings. The admin can manage User accounts, Vendor can mage trains, stations, routes, Employee can manage schedules, fares, and view reports such as booking history.

Some of the core features of the system are:

**Customer:**

1. User registration and login: Customer can register and log in to the system to book tickets and view their booking history.
2. Train search: Customer can search for trains based on start, destination and date.
3. Train details: Customer can view the details of a selected train such as its schedule, available seats, and fare.

**Admin:**

1. Admin login: Admins can log in to the system.
2. Manage Users: Update Delete User (employee, customer and vendor).

**Employee:**

1. Schedule management: Employee can Inset Update and delete schedule.
2. Check Reservations: Employee can check all the reservation.
3. Check Vendor Train: Employee can see all the vendor Train available in the system.

**Vendor:**

1. Route management: Vendor can add, update and delete Route and manage their details such as destination and origin.
2. Train management: Vendor can add, update and delete Train and manage their details such as

Seat capacity.

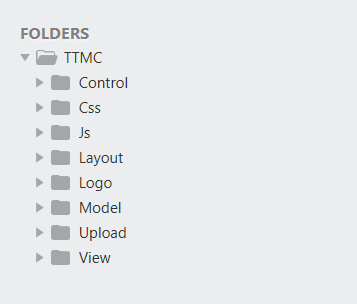
1. Search Train: Search All available Train in the System.

Overall, the Online Train Ticket Reservation System provides a convenient and hassle-free way for users to book train tickets online and for admins to manage the system efficiently.

**Project Folder Structure:**

Maintaining a well-organized folder structure is crucial when developing web applications. We have followed the MVC structure in our project. We have stored the Database code in Model, Then Create View to store the html file and in Control file all the php code are stored. There are also folders for JavaScript, CSS, layout, logo and upload.

Folder structure of our project:

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**Core Modules of the Project:**

***Registration.php***

*<?php include("../control/Regvalid.php"); ?>*

*<html>*

*<head>*

*<title>Registration</title>*

*<link rel="stylesheet" type="text/css" href="../CSS/mystyle.css">*

*</head>*

*<body>*

*<script src="../js/Js.js"></script>*

*<table width=100% height=90>*

*<tr>*

*<td width=10% align="center"><img src="../resources/train.png" width=80px height=70px></td>*

*<td width=70% align="center"><h1>E-TICKET PLATFORM</h1></td>*

*<td width=10% align="center" width=10%><a class="signbutton" href="login.php">Login</a></td>*

*</tr>*

*</table>*

*<form action="" method="post" enctype="multipart/form-data" onsubmit="return RegValid()">*

*<div class="regbackground">*

*<div class="reg">*

*<table align="center" height=60%>*

*<tr>*

*<td id="pcus"> First Name :</td>*

*<td><input type="text" id="fname" name="fname" value=""><?php echo $Fnerror; ?><p id="fnerror"></p></td>*

*</tr>*

*<tr>*

*<td id="pcus"> Last Name :</td>*

*<td><input type="text" id="lname" name="lname" value=""><?php echo $Lnerror; ?><p id="lnerror"></p></td>*

*</tr>*

*<tr>*

*<td id="pcus"> Phone :</td>*

*<td><input type="number" id="phone" name="phone" value=""><?php echo $Pherror; ?><p id="perror"></p></td>*

*</tr>*

*<tr>*

*<td id="pcus">Date of Birth :</td>*

*<td><input type="date" id="dob" name="DoB" value="date"><?php echo $Derror; ?><p id="derror"></p></td>*

*</tr>*

*<tr>*

*<td id="pcus"> Email :</td>*

*<td><input type="email" id="email" name="email" value=""><?php echo $Emerror; ?><p id="emerror"></p></td>*

*</tr>*

*<tr>*

*<td id="pcus"> Password :</td>*

*<td><input type="password" id="password" name="password" value=""><?php echo $Passerror; ?><p id="passerror"></p></td>*

*</tr>*

*<tr>*

*<td id="pcus"> Confirm Password :</td>*

*<td><input type="password" id="Cpassword" name="Cpassword" value=""></td>*

*</tr>*

*<tr>*

*<td> </td>*

*<td><input type="submit" class="buttonprofile" name="signup" value="Sign up">*

*</tr>*

*</form>*

*</div>*

*</td>*

*</tr>*

*</table>*

*</div>*

*</body>*

*</html>*

***Login.php***

*<?php include("../control/loginvalid.php"); ?>*

*<html>*

*<head>*

*<title>Sign In</title>*

*<link rel="stylesheet" type="text/css" href="../CSS/mystyle.css">*

*</head>*

*<body>*

*<script src="../js/Js.js"></script>*

*<table width=100% height=90 >*

*<tr>*

*<td width=10% ></td>*

*<td width=70% align="center"><h1>E-TICKET PLATFORM</h1></td>*

*<td width=10% align="center" width=10%><a class="signbutton" href="Registration.php">Sign Up</a></td>*

*</tr>*

*</table>*

*<div class="loginbackground">*

*<div class="loginform">*

*<table align="center" height= 15% >*

*<tr>*

*<td align="center"><img src="../resources/train.png" width=80px height=70px></td>*

*</tr>*

*</table>*

*<table>*

*<tr>*

*<td><?php echo $Eerror; ?> </td>*

*</tr>*

*</table>*

*<form action="" method="post" enctype="" onsubmit="return LoginValid()">*

*<table height="20%">*

*<tr class="logtr">*

*<td id="pcus"> Phone :</td>*

*<td><input type="number" id="phone" name="phone" value="<?php if(isset($\_COOKIE['Phone'])) { echo $\_COOKIE["Phone"]; } ?>"><?php echo $Pherror; ?><p id="perror"></p></td>*

*</tr>*

*<tr class="logtr2">*

*<td id="pcus">Password :</td>*

*<td><input type="password" id="password" name="password" value="<?php if(isset($\_COOKIE['Password'])) { echo $\_COOKIE["Password"]; } ?>"><?php echo "<br>".$Passerror; ?><p id="passerror"></p></td>*

*</tr>*

*<td><input class="me" type="checkbox" name="checkbox" value="">Remember me</td>*

*</tr>*

*<tr>*

*<td> </td>*

*<td><input type="submit" class="button" name="signup" value="Log in">*

*</tr>*

*</table>*

*</form>*

*</div>*

*</table>*

*</table>*

*</div>*

*</body>*

*</html>*

***home.php***

*<?php include "../control/homeCheck.php";*

*?>*

*<html>*

*<head>*

*<title>Home</title>*

*<link rel="stylesheet" type="text/css" href="../CSS/mystyle.css">*

*</head>*

*<body>*

*<script src="../js/Js.js"></script>*

*<table width=100% height=90>*

*<tr>*

*<td width=10% align="center"><img src="../resources/train.png" width=80px height=70px></td>*

*<td width=80% align="center"><h1>E-TICKET PLATFORM</h1></td>*

*<td width=10% align="center" width=10%></td>*

*<td align="center" width=10%><?php echo $Fname; ?> </td>*

*</tr>*

*</table>*

*<table width=100% height=60>*

*<tr>*

*<td class="navtable">*

*<div class="container">*

*<nav>*

*<ul>*

*<li><a href="../view/home.php">Home</li>*

*<li><a href="../view/profile.php">Profile</li>*

*<li> <a href="../view/train.php">Train Information</li>*

*<li> <a href="../view/contact.php">Contact Us</li>*

*<li> <a href="../view/history.php">History</li>*

*<li> <a href="../control/logout.php">Log out</li>*

*</ul>*

*</nav>*

*</div>*

*</td>*

*</tr>*

*</table>*

*<div class="homebackground">*

*<div class="home">*

*<form action="../view/search.php" method="post" enctype="" onsubmit="return homeValidation()">*

*<table align='center' height=60% width=300>*

*<tr>*

*<td id="hm"> From :</td>*

*<td ><input class="homebox" id="from" type="text" name="from" value=""><p id="fromerror"></p><?php echo $Fmerror; ?></td>*

*</tr>*

*<tr>*

*<td id="hm"> To :</td>*

*<td><input class="homebox" id="to" type="text" name="to" value=""><p id="toerror"></p></td>*

*</tr>*

*<tr>*

*<td id="hm">Date of Journey :</td>*

*<td ><input id="date" type="date" name="DoJ" value="date"><p id="dateerror"></p></td>*

*</tr>*

*<tr>*

*<td> </td>*

*<td><input type="submit" class="buttonsrc" name="search" value="Search"></td>*

*</tr>*

*</table>*

*</form>*

*</div>*

*<?php include("../view/footer.php"); ?>*

*</div>*

*</body>*

*</html>*

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