

PROFESSIONAL TRAINING REPORT

at

Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award of Bachelor of
Technology Degree in Information Technology

By

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DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI – 600119, TAMILNADU

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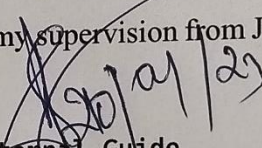


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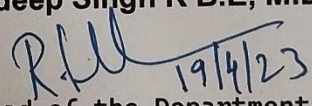
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BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **KRISHNA PRIYA R S (Reg. No: 40120052)** who carried out the project entitled "**ONLINE TICKET RESERVATION SYSTEM**" under my supervision from January 2023 to March 2023.

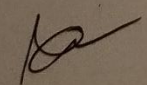

Internal Guide

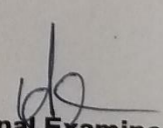
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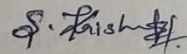

External Examiner

DECLARATION

I, **KRISHNA PRIYA R S** hereby declare that the project report entitled “**ONLINE TICKET RESERVATION SYSTEM**” done by me under the guidance of **Mr. AMAN DEEP SINGH** is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology Degree in Information Technology.

DATE: 28/04/2023

PLACE: CHENNAI



SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. Sasikala M.E., Ph. D, Dean, School of Computing** and **Dr. R. Subhashini M.E., Ph.D., Head of the Department of Information Technology** for providing me necessary support and details at the right time during the progressive reviews.

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CHAPTER 1

ABSTRACT

Online bus reservation system is a project which provides a portal for bus ticket reservation. This application allows users to book bus tickets from anywhere and anytime. The user can easily book their tickets and cancel tickets. The user can view all the details of the website, bus, and drive. The user can also view the details of the journey and the details of the journey timings.

Online Bus Ticket Reservation System is a Web based application that works within a centralized network. This project presents a review on the software program "Online Bus Ticket Reservation System" as should be used in a bus transportation system, a facility which is used to reserve seats, cancellation of reservation and different types of route enquiries used on securing quick reservations. OBTRS is built for managing and computerizing the traditional database, ticket booking and tracking bus and travel made. It maintains all customer details, bus details, reservation details. In order to achieve the design, Imo Transport Company (ITC) was chosen as a case study because of its strategic importance to Imo State. Structured Systems Analysis and Design Methodology (SSADM) was adopted. In addition, PHP Hypertext Preprocessor (PHP) language was used for the front-end of the software while the back end was designed using MySQL. The software achieved is capable of improving the customer hand and relationship management in ITC operations. It is recommended that despite the present functionality of the designed software, an additional functionality such as the use of E-mail to send tickets and notifications to the customer and an online payment using credit cards/debit cards should be implemented into the system. Furthermore, other operations carried by ITC such as the courier services should also be integrated in order to enhance the system.

CHAPTER 2

INTRODUCTION

Online Bus Booking System cloud based online software. This system would help customers to book a seat for their journey, book bus. This system would also help the owner to manage the coaches, employees, clients, services etc.

Bus Reservation System will increase the booking process faster, convenient, and comfortable. Customers can book their desired seats. They can check the availability of posts on a specific date. The customer can check availability, book ticket, or cancel ticket 24X7. The online system is available to use anytime.

User doesn't require to visit any office. They just need internet and device to use our system. They can check route, price, class etc.

They can pay fare using a credit card, debit card, internet banking, online wallet like Paytm and cash too. Managing buses, employees, and salary would be very comfortable using this system.

This is a safe and secure way to expand the business. System decreases the human efforts and increases customer satisfaction.

Since the current reservation system is still conducted manually and separately at each branch, contact must be made by each branch's front-officer to the head office for each customer's enquiry in order to get the latest update on schedule, seat availability and other reservation-related information; as well as to avoid duplicate bookings or over-capacity. There is also a physical limit to the reservation availability as each branch only operates during certain hours and reservations can only be made on-the-spot. These limitations are not the only issues the company is currently facing. Other factors that create problems include human errors (e.g. miscalculations in ticket price, mistakes in noting passenger data, etc.), the fluctuation of passengers during certain periods of time that causes a bottleneck in the check-in process because of the inability of the frontofficer to multitask and the lack of overview or report of the on-going business; making it difficult for

the company to judge past/current performance or plan future improvements. Looking at these problems and limitations, it is clear that both the company and the customers require an integrated reservation system that is more efficient in information update and reservation handling and also easy to use. Electronic tickets, or e-tickets, give evidence that their holders have permission to enter a place of entertainment, use a means of transportation, or have access to some internet services. Bus Ticket Reservation System enables the customer to buy bus ticket, make payment, and ask for information online easily. Furthermore, staff can sell bus ticket using Bus Ticket Reservation System after check bus ticket availability for the customer and print the bus ticket to the customer that queue up in the counter. The method to solve this problem is to create an online buying bus ticket system. Customer can buy the bus ticket over the Internet, 24 hours a day, 7 days a week and the bus ticket can't be lost, stolen or left behind. In addition, the online system lets the customers check the availability of the bus ticket before they buy bus ticket. Furthermore, customers no need to pay cash to buy bus ticket because they can pay the bus ticket by using deposit slip number order by bank

CHAPTER 3

AIM OF THE PROJECT

The primary goal of the project is to create a website for online bus ticket reservation system so that customers are given full permissions to book tickets 24*7 at any time from any place without visiting physically. It deals with transport industry's ticket booking and transport maintenance, so it becomes a tedious job for the ticket booking transporter to look after these particulars to complete the task at right time. This system will lead to an increase in the ticket booking efficiency of the project staff and members of the Ticket Booking Agency with little throughput. This system project is made user friendly as possible so that anyone can use it with little knowledge of system computers. The ticket booking project will reduce the ticket booking tedious job of system paperwork by keeping all the project details of bus ticket booking, cancelling tickets are stored in the form database in computer's hard disk. Up-to-date information of my project is to make easy the ticket booking project system of Ticket Booking Agency simple, reliable, user friendly, and corrective. Moreover less time consuming as compared to manual work

CHAPTER 4

SCOPE OF THE PROJECT

The project is aimed to create a website of online bus ticket reservation system. The customer should login with administrator User name and password. Book the seats in the bus at particular time. The passengers details are stored in the database. He can select the seat based on his wish if the seat not booked previously. We can easily know the earnings in the journey.

Moving on, this bus ticket booking system project in PHP focuses mainly on online ticket reservations and route management. Also, the system displays all the lists of available routes according to their prices. In addition, the system allows managing bus information too. This project is divided into two categories: Admin, and Customer. In an overview of this web application, the role of the customer is pretty simple. A customer can only check the ticket's status using PNR. Here, the admin has to provide the PNR code. As result, the customers can have their bus ticket details such as route, seat, timing, and other information. Besides, all other features fall upon the hands of an administrator.

CHAPTER 5

MATERIALS AND METHODS, ALGORITHMS USED

In our project, Online Ticket Booking system in Javascript is a software developed to support the booking business in providing its customers with an easy-to-use and automated online processing system. This project has 2 aspects of user limitations, namely administrator and client / website visitor. Moving on, this train ticket management system project in PHP focuses mainly on online ticket reservations and schedule management. Also, the system displays all the lists of available schedules according to their class prices. In addition, the system allows managing buses, routes, and schedule information too. This project is divided into two categories: Admin, and Passenger. The HyperText Markup Language ,or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheet and scripting languages Such as JavaScript. MySql is used for database using XAMPP we get the database and the Apache server for running in the localhost .Database is used to store the information of the passengers.

SOFTWARE REQUIREMENTS:

- Install XAMPP control panel
- PHP, Mysql, perl, Database.
- Operating system

HARDWARE REQUIREMENTS:

- PC with Pentium IV processor.
- 512 MB RAM or above.
- 40 GB Hard Disk or above.

CHAPTER 6

EXISTING SYSTEM

The existing Bus Booking System is not completely computerized. The customer has to visit any booking branch if he wants to book a ticket. Bus scheduling, ticket booking, bill generation and many other operations are done manually. This may lead to incorrect entries and there is a lot of room for errors as the data is not completely synced. The availability of seats is not centrally maintained and the travel operator is not fully aware of the availability and occupancy of the seats in his buses. This is the major bottle neck.

1. Existing system is totally on book and thus a great amount of manual work has to be done. The amount of manual work increases exponentially with increase in services.
2. Needs a lot of working staff and extra attention on all the records.
3. In existing system, there are various problems like keeping records of items, seats available, prices of per/seat and fixing bill generation oneach bill.
4. Finding out details regarding any information is very difficult, as the user has to go through all the books manually.
5. Problem was lack of security.
6. The work is done manually.
7. Those who are interested in inquiring about the Bus Type, its
8. Tickets Price, available seats, facility of the bus etc. has to walk tothe Booking office.

CHAPTER 7

PROPOSED SYSTEM

MODULES OF ONLINE BUS BOOKING SYSTEM:

There are several modules required to complete this system. Here we are discussing the main modules or core modules of the system.

Admin Profile:

Admin is super user of our system. Admin can view all data in the system. Admin must log in to the system then there is authentication process. Admin view bus details verified the bus details, check the employee data.

Customer Profile:

The customer is the end user of our system. The customer can see bus details, check availability, book the ticket, make an enquiry, and make payment to confirm a seat. At any point of time before boarding of bus customer has all right to cancel tickets.

Employee Profile:

Employees are basically helping hands in bus reservation system. Employees have many profiles like managers, accountant, drivers, field employee etc. The manager would manage the business in such a way that everyone does their job. Manager manages proper work distributions

Add Buses:

This module would help to add new bus details. Bus details include Bus Number, Model Number, Numbers of seats, Type of bus, the condition of the bus.

Availability:

This module would help to search the bus and find availability of seats. The customer can check bus availability anytime. Desired available seats can be booked by the client using this system.

Enquiry:

Any question can be made using email id or filling website form. Customer care representatives will reach you with solutions. Any question about bus timing, the system can do seat availability with human interaction.

Cancel:

At any point of time before boarding of bus customer has all right to cancel tickets. The money will be credited to a customer account as per bank policy and timing.

Booking:

If customer finds the desired bus and available seats. The customer can book the seats using this module. The booking process is entirely computerized. Real time seat availability. Once a place has been locked it can't be available for booking.

CHAPTER 8

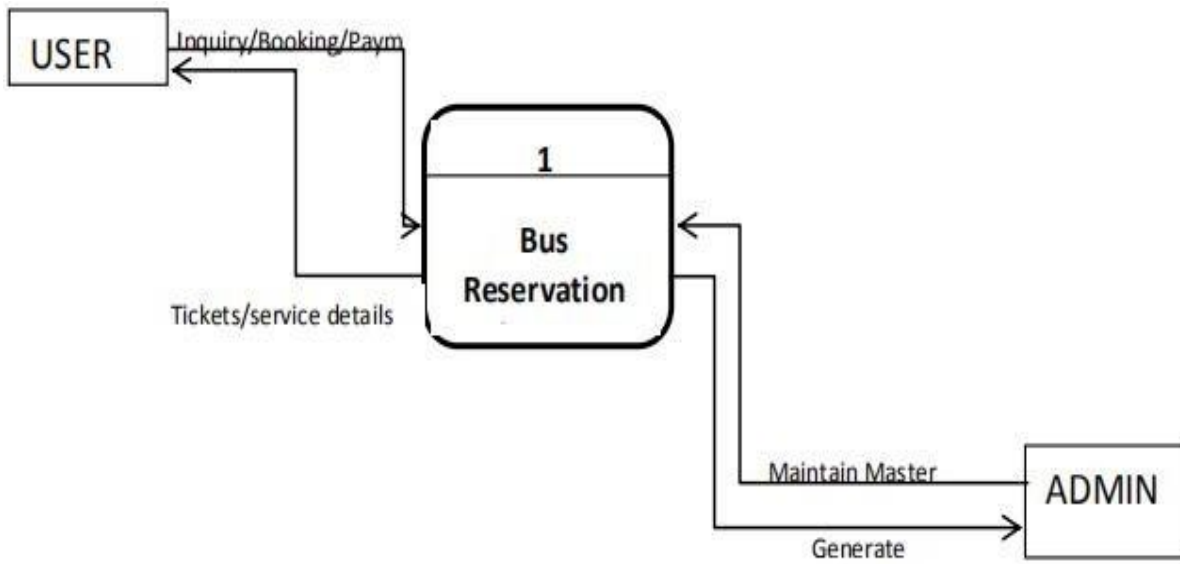
IMPLEMENTATION AND ARCHITECTURE DIAGRAMS

DATA FLOW DIAGRAM (DFD)

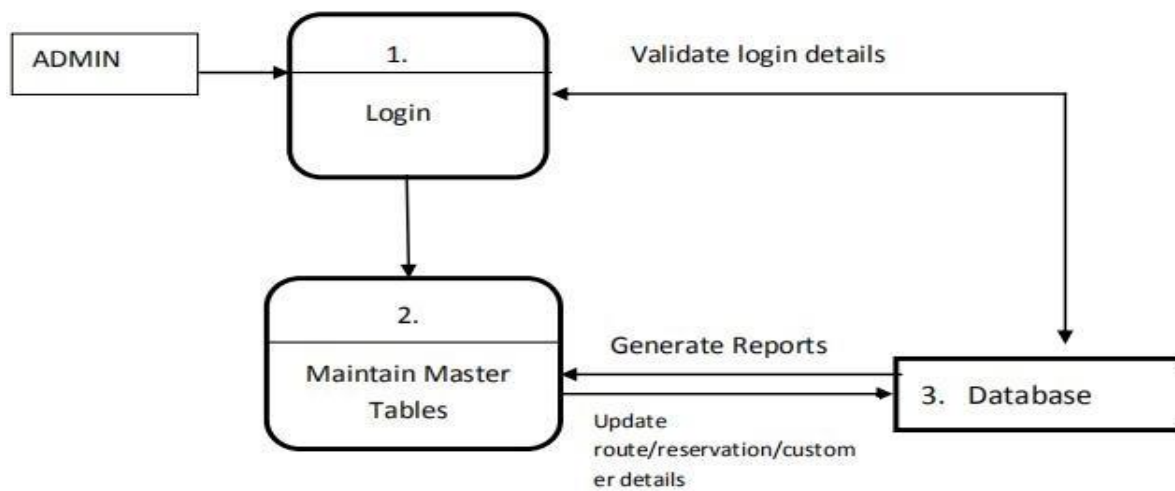
A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modeling its process aspects. A DFD shows what kind of information will be input to and output from the system, where the data will come from and go to, and where the data will be stored.

The development of DFD'S is done in several levels. Each process in lower level diagrams can be broken down into a more detailed DFD in the next level. The Top-level diagram is often called context diagram. It consists of a single process bit, which plays a vital role in studying the current system. The process in the context level diagram is exploded into other processes at the first level DFD.

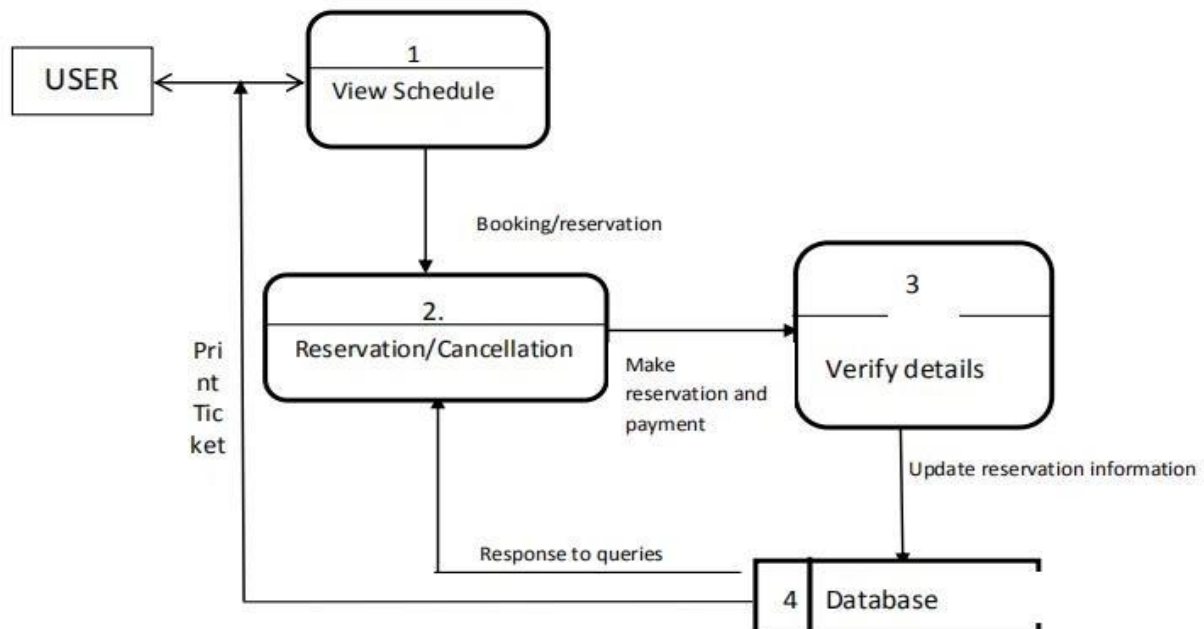
Level 0



LEVEL 1



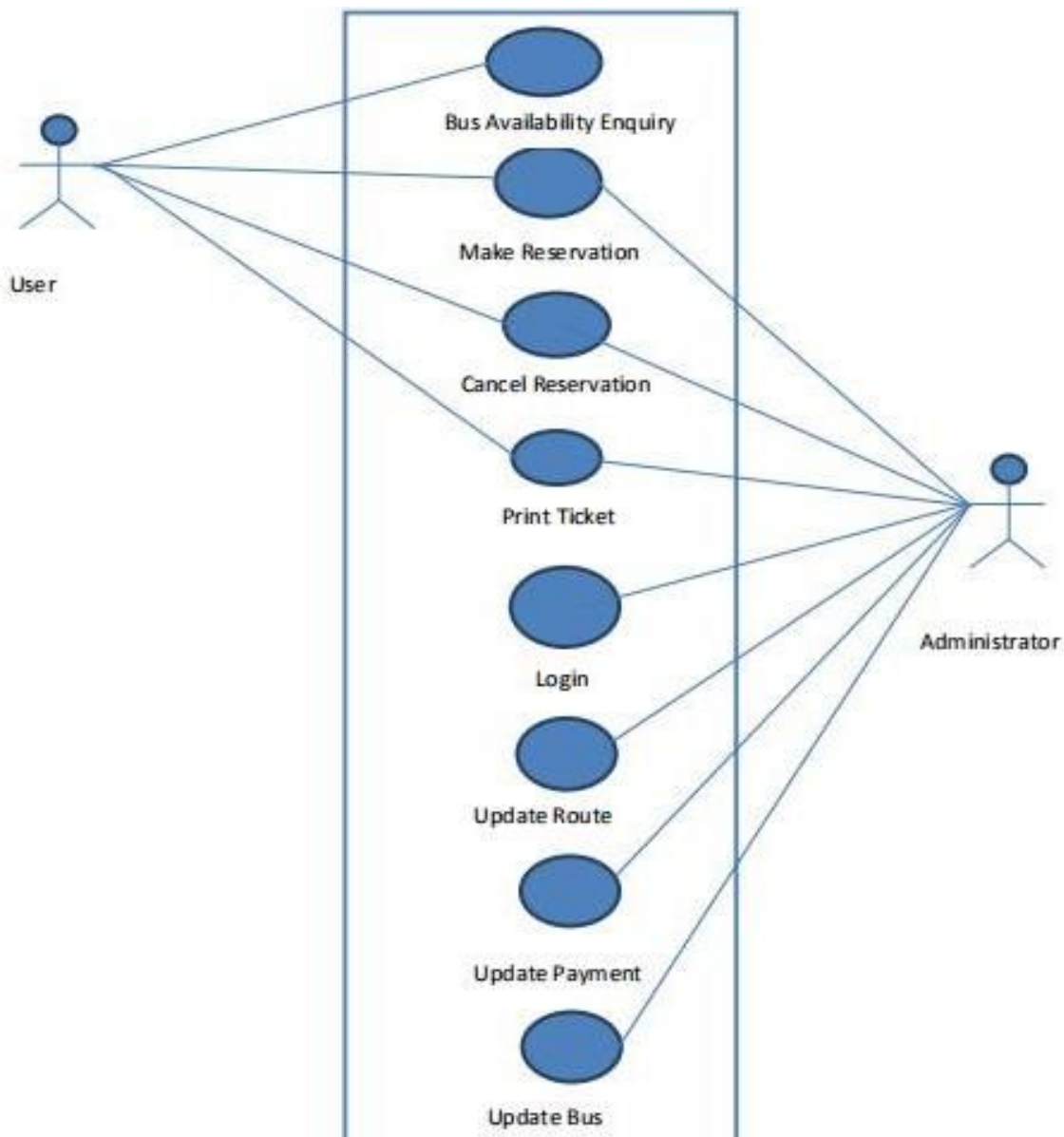
Level 2



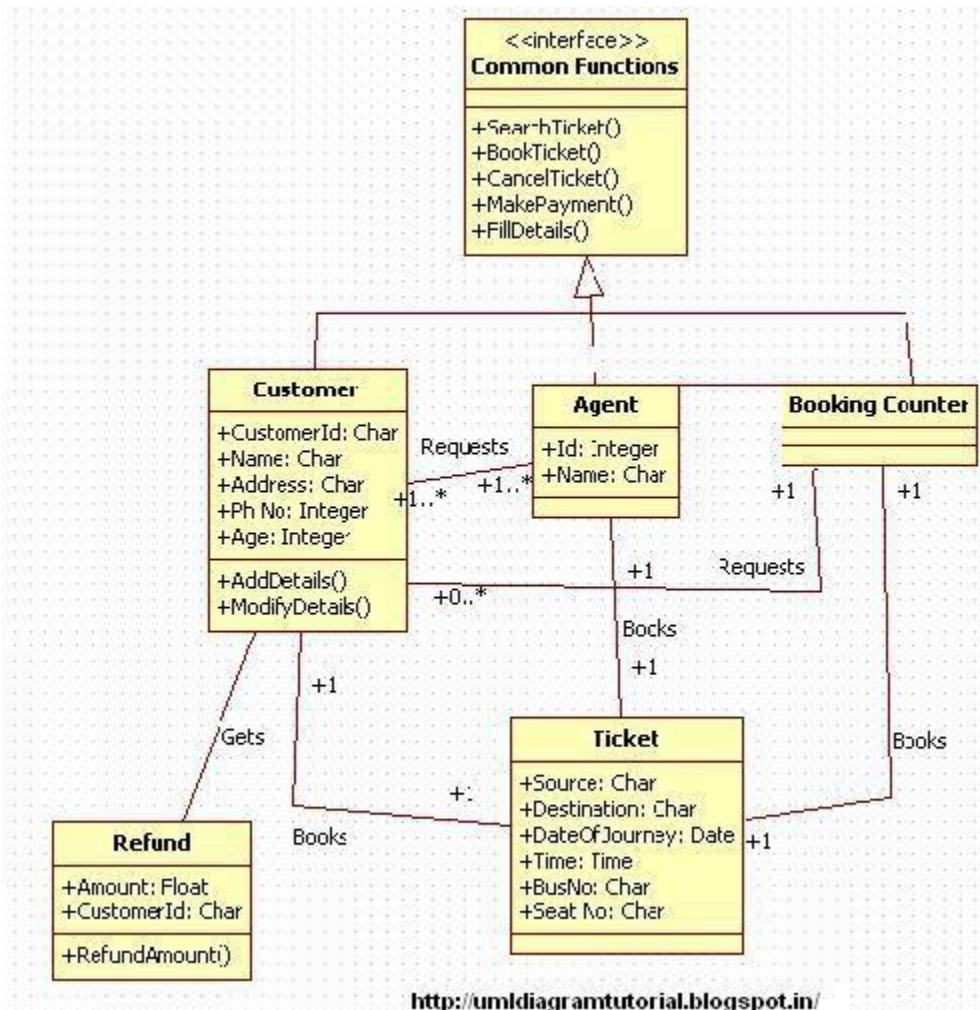
CHAPTER 9

USE CASE DIAGRAM FOR USERS AND ADMIN

A use case is a description of a system's behaviour as it responds to a request that originates from outside of that system (the user). , a use case of the activities in a bus transport system is shown.



Class diagram



CHAPTER 10

SOURCE CODE

Dashboard.php

```
<!-- Show these admin pages only when the admin is logged in -->
<?php require '../assets/partials/_admin-check.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>Admin Dashboard</title>
    <!-- google fonts -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500&
display=swap" rel="stylesheet">
    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
+0n0xVW2eSR5OomGNyDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOO17+AMvyTG2x"
crossorigin="anonymous">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/d8cfbe84b9.js"
crossorigin="anonymous"></script>
    <!-- CSS -->
    <?php
        require '../assets/styles/admin.php';
        require '../assets/styles/dashboard.php';
        $page="dashboard";
    ?>
</head>
<body>
    <!-- Requiring the admin header files -->
    <?php require '../assets/partials/_admin-header.php';
        require '../assets/partials/_getJSON.php';
    // Will have access to variables
    //     1. routeJson
    //     2. customerJson
    //     3. seatJson
```

```

//      4. busJson
//      5. adminJson
//      6. bookingJSON
$routeData = json_decode($routeJson);
$customerData = json_decode($customerJson);
$seatData = json_decode($seatJson);
$busData = json_decode($busJson);
$adminData = json_decode($adminJson);
$bookingData = json_decode($bookingJson);
// $earningData = json_decode($earningJson);

// echo "<pre>";
// var_export(get_object_vars($adminData[0])["user_fullname"]);
// var_export($adminData);
// var_export($_SESSION);
// echo "</pre>";

?>

<section id="dashboard">

    <div id="status">
        <div id="Booking" class="info-box status-item">
            <div class="heading">
                <h5>Bookings</h5>
                <div class="info">
                    <i class="fas fa-ticket-alt"></i>
                </div>
            </div>
            <div class="info-content">
                <p>Total Bookings</p>
                <p class="num" data-target="<?php
                    echo count($bookingData);
                    ?>">
                    999
                </p>
            </div>
            <a href="./booking.php">View More <i class="fas fa-arrow-
right"></i></a>
        </div>
        <div id="Bus" class="info-box status-item">
            <div class="heading">
                <h5>Buses</h5>
                <div class="info">
                    <i class="fas fa-bus"></i>
                </div>
            </div>

```

```

        </div>
        <div class="info-content">
            <p>Total Buses</p>
            <p class="num" data-target="<?php
                echo count($busData);
            ?>">
                999
            </p>
        </div>
        <a href="./bus.php">View More <i class="fas fa-arrow-
right"></i></a>
    </div>
    <div id="Route" class="info-box status-item">
        <div class="heading">
            <h5>Routes</h5>
            <div class="info">
                <i class="fas fa-road"></i>
            </div>
        </div>
        <div class="info-content">
            <p>Total Routes</p>
            <p class="num" data-target="<?php
                echo count($routeData);
            ?>">
                999
            </p>
        </div>
        <a href="./route.php">View More <i class="fas fa-arrow-
right"></i></a>
    </div>
    <div id="Seat" class="info-box status-item">
        <div class="heading">
            <h5>Seats</h5>
            <div class="info">
                <i class="fas fa-th"></i>
            </div>
        </div>
        <div class="info-content">
            <p>Total Seats</p>
            <p class="num" data-target="<?php
                echo 38 * count($busData);
            ?>">
                999
            </p>
        </div>
    </div>

```

```

                <a href="./seat.php">View More <i class="fas fa-arrow-
right"></i></a>
            </div>
        </div>
        <!-- <h3>User</h3> -->
        <div id="user">
            <div id="Customer" class="info-box user-item">
                <div class="heading">
                    <h5>Customers</h5>
                    <div class="info">
                        <i class="fas fa-users"></i>
                    </div>
                </div>
                <div class="info-content">
                    <p>Total Customers</p>
                    <p class="num" data-target="<?php
                        echo count($customerData);
                    ?>">
                        999
                    </p>
                </div>
                <a href="./customer.php">View More <i class="fas fa-arrow-
right"></i></a>
            </div>
            <div id="Admin" class="info-box user-item">
                <div class="heading">
                    <h5>Admins</h5>
                    <div class="info">
                        <i class="fas fa-user-lock"></i>
                    </div>
                </div>
                <div class="info-content">
                    <p>Total Admins</p>
                    <p class="num" data-target="<?php
                        echo count($adminData);
                    ?>">
                        999
                    </p>
                </div>
                <a href="#admin">View More <i class="fas fa-arrow-
right"></i></a>
            </div>
            <div id="Earning" class="info-box user-item">
                <div class="heading">
                    <h5>Earnings</h5>

```

```

        <div class="info">
            <i class="fas fa-dollar-sign"></i>
        </div>
    </div>
    <div class="info-content">
        <p>Total Earnings</p>
        <p class="num" data-target="<?php
            $result = mysqli_query($conn, 'SELECT
SUM(booked_amount) AS value_sum FROM bookings');
            $row = mysqli_fetch_assoc($result);
            $sum = $row['value_sum'];
            echo $sum;
            ?>">
            999
        </p>
    </div>
    <a href="#">View More <i class="fas fa-arrow-
right"></i></a>
</div>

</div>
<h4>Other Admin</h4>
<div id="admin">
    <?php
        // Loop through Admin Data and show the admins in boxes
other than the existing admin which is $user_id == $_SESSION["user_id"]
        foreach($adminData as $admin)
        {
            $adminArr = get_object_vars($admin);
            if($adminArr["user_id"] == $user_id)
                continue;
            $username = $adminArr["user_name"];
            ?>
            <div class="info-box admin-item">
                
                <h4><?php echo $username; ?></h4>
                <p class="bio">Other Admin</p>
            </div>
            <?php
        }
    ?>
</div>
</section>
<footer>
<p>

```

```

        <i class="far fa-copyright"></i> <?php echo date('Y');?> -
Simple Bus Ticket Booking System | Made with &#10084;&#65039; for HCL mini project
    </p>
</footer>
</div>
</main>
<script src="../../assets/scripts/admin_dashboard.js"></script>
</body>
</html>

```

Customer.php

```

<!-- Show these admin pages only when the admin is logged in -->
<?php require '../assets/partials/_admin-check.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>Customers</title>
    <!-- google fonts -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500&
display=swap" rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/d8cfbe84b9.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOO17+AMvyTG2x"
crossorigin="anonymous">
    <!-- CSS -->
    <?php
        require '../assets/styles/admin.php';
        require '../assets/styles/admin-options.php';
        $page="customer";
    ?>
</head>
<body>

```

```

<!-- Requiring the admin header files -->
<?php require '../assets/partials/_admin-header.php';?>

<!-- Add, Edit and Delete Customers -->
<?php
    /*
        1. Check if an admin is logged in
        2. Check if the request method is POST
    */
    if($loggedIn && $_SERVER["REQUEST_METHOD"] == "POST")
    {
        if(isset($_POST["submit"]))
        {
            /*
                ADDING Customers
                Check if the $_POST key 'submit' exists
            */
            // Should be validated client-side
            $cname = $_POST["cfirstname"] . " " . $_POST["clastname"];
            $cphone = $_POST["cphone"];

            $customer_exists = exist_customers($conn,$cname,$cphone);
            $customer_added = false;

            if(!$customer_exists)
            {
                // Route is unique, proceed
                $sql = "INSERT INTO `customers` (`customer_name`,
`customer_phone`, `customer_created`) VALUES ('$cname', '$cphone',
current_timestamp());";
                $result = mysqli_query($conn, $sql);
                // Gives back the Auto Increment id
                $autoInc_id= mysqli_insert_id($conn);
                // If the id exists then,
                if($autoInc_id)
                {
                    $code = rand(1,999999);
                    // Generates the unique userid
                    $customer_id = "CUST-".$code.$autoInc_id;

                    $query = "UPDATE `customers` SET `customer_id` =
'$customer_id' WHERE `customers`.`id` = $autoInc_id;";
                    $queryResult = mysqli_query($conn, $query);

                    if(!$queryResult)
                        echo "Not Working";
                }
            }
        }
    }

```

```

    }

    if($result)
        $customer_added = true;
    }

    if($customer_added)
    {
        // Show success alert
        echo '<div class="my-0 alert alert-success alert-dismissible
fade show" role="alert">
        <strong>Successful!</strong> Customer Added
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }
    else{
        // Show error alert
        echo '<div class="my-0 alert alert-danger alert-dismissible
fade show" role="alert">
        <strong>Error!</strong> Customer already exists
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }
}
if(isset($_POST["edit"]))
{
    // EDIT ROUTES
    $cname = $_POST["cname"];
    $cphone = $_POST["cphone"];
    $id = $_POST["id"];
    $id_if_customer_exists = exist_customers($conn,$cname,$cphone);

    if(!$id_if_customer_exists || $id == $id_if_customer_exists)
    {
        $updateSql = "UPDATE `customers` SET
        `customer_name` = '$cname',
        `customer_phone` = '$cphone' WHERE `customers`.`customer_id` =
'$id'";

        $updateResult = mysqli_query($conn, $updateSql);
        $rowsAffected = mysqli_affected_rows($conn);

        $messageStatus = "danger";
        $messageInfo = "";
    }
}

```

```

        $messageHeading = "Error!";

        if(!$rowsAffected)
        {
            $messageInfo = "No Edits Administered!";
        }

        elseif($updateResult)
        {
            // Show success alert
            $messageStatus = "success";
            $messageHeading = "Successfull!";
            $messageInfo = "Customer details Edited";
        }
        else{
            // Show error alert
            $messageInfo = "Your request could not be processed due to
technical Issues from our part. We regret the inconvenience caused";
        }

        // MESSAGE
        echo '<div class="my-0 alert alert-'. $messageStatus .' alert-
dismissible fade show" role="alert">
            <strong>'. $messageHeading .'</strong> ' . $messageInfo .'
            <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }
    else{
        // If customer details already exists
        echo '<div class="my-0 alert alert-danger alert-dismissible
fade show" role="alert">
            <strong>Error!</strong> Customer already exists
            <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }
}
if(isset($_POST["delete"]))
{
    // DELETE ROUTES
    $id = $_POST["id"];
    // Delete the route with id => id
    $deleteSql = "DELETE FROM `customers` WHERE `customers`.`id` =
$id";

```

```

        $deleteResult = mysqli_query($conn, $deleteSql);
        $rowsAffected = mysqli_affected_rows($conn);
        $messageStatus = "danger";
        $messageInfo = "";
        $messageHeading = "Error!";

        if(!$rowsAffected)
        {
            $messageInfo = "Record Doesnt Exist";
        }

        elseif($deleteResult)
        {
            $messageStatus = "success";
            $messageInfo = "Customer Details deleted";
            $messageHeading = "Successfull!";
        }
        else{

            $messageInfo = "Your request could not be processed due to
technical Issues from our part. We regret the inconvenience caused";
        }

        // Message
        echo '<div class="my-0 alert alert-'. $messageStatus .' alert-
dismissible fade show" role="alert">
        <strong>'. $messageHeading .'</strong> '. $messageInfo .'
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }
}
?>
<?php
    $resultSql = "SELECT * FROM `customers` ORDER BY customer_created
DESC";

    $resultSqlResult = mysqli_query($conn, $resultSql);

    if(!mysqli_num_rows($resultSqlResult)){ ?>
        <!-- Customers are not present -->
        <div class="container mt-4">
            <div id="noCustomers" class="alert alert-dark " role="alert">
                <h1 class="alert-heading">No Customers Found!!</h1>
                <p class="fw-light">Be the first person to add one!</p>

```

```

        <hr>
        <div id="addCustomerAlert" class="alert alert-success"
role="alert">
            Click on <button id="add-button" class="button btn-
sm"type="button" data-bs-toggle="modal" data-bs-target="#addModal">ADD <i class="fas
fa-plus"></i></button> to add a customer!
        </div>
    </div>
</div>
<?php }
else { ?>
<!-- If Customers are present -->
<section id="customer">
    <div id="head">
        <h4>Customer Status</h4>
    </div>
    <div id="customer-results">
        <div>
            <button id="add-button" class="button btn-
sm"type="button" data-bs-toggle="modal" data-bs-target="#addModal">Add Customer
Details <i class="fas fa-plus"></i></button>
        </div>
        <table class="table table-hover table-bordered">
            <thead>
                <th>ID</th>
                <th>Name</th>
                <th>Contact</th>
                <th>Actions</th>
            </thead>
            <?php
                while($row = mysqli_fetch_assoc($resultSqlResult))
                {
                    // echo "<pre>";
                    // var_export($row);
                    // echo "</pre>";
                    $id = $row["id"];
                    $customer_id = $row["customer_id"];
                    $customer_name = $row["customer_name"];
                    $customer_phone = $row["customer_phone"];
                ?>
                <tr>
                    <td>
                        <?php
                            echo $customer_id;
                        ?>
                    </td>

```

```

        <td>
            <?php
                echo $customer_name;
            ?>
        </td>
        <td>
            <?php
                echo $customer_phone;
            ?>
        </td>
        <td>
            <button class="button edit-button " data-link="<?php
echo $_SERVER['REQUEST_URI']; ?>" data-id="<?php
echo $customer_id;?>" data-
name="<?php
echo $customer_name;?>" data-
phone="<?php
echo $customer_phone;?>"
>Edit</button>
            <button class="button delete-button"
data-bs-toggle="modal" data-bs-target="#deleteModal" data-id="<?php
echo $id;?>">Delete</button>
        </td>
    </tr>
<?php
}
?>
</table>
</div>
</section>
<?php } ?>
</div>
</main>
<!-- All Modals Here -->
<!-- Add Route Modal -->
<div class="modal fade" id="addModal" tabindex="-1" aria-
labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModalLabel">Add A
Customer</h5>
                <button type="button" class="btn-close" data-bs-
dismiss="modal" aria-label="Close"></button>
            </div>
            <div class="modal-body">

```

```

        <form id="addCustomerForm" action="<?php echo
$_SERVER['REQUEST_URI']; ?>" method="POST">
            <div class="mb-3">
                <label for="cfirstname" class="form-label">Customer
Firstname</label>
                <input type="text" class="form-control"
id="cfirstname" name="cfirstname">
            </div>
            <div class="mb-3">
                <label for="clastname" class="form-label">Customer
Lastname</label>
                <input type="text" class="form-control"
id="clastname" name="clastname">
            </div>
            <div class="mb-3">
                <label for="cphone" class="form-label">Contact
Number</label>
                <input type="tel" class="form-control" id="cphone"
name="cphone">
            </div>
            <button type="submit" class="btn btn-success"
name="submit">Submit</button>
        </form>
    </div>
    <div class="modal-footer">
        <!-- Add Anything -->
    </div>
</div>
<!-- Delete Modal -->
<div class="modal fade" id="deleteModal" tabindex="-1" aria-
labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog modal-dialog-centered">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModalLabel"><i class="fas fa-
exclamation-circle"></i></h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal"
aria-label="Close"></button>
            </div>
            <div class="modal-body">
                <h2 class="text-center pb-4">
                    Are you sure?
                </h2>
            </div>
        </div>
    </div>

```

```

                Do you really want to delete these customer details?
<strong>This process cannot be undone.</strong>
            </p>
            <!-- Needed to pass id -->
            <form action="<?php echo $_SERVER['REQUEST_URI']; ?>" id="delete-
form" method="POST">
                <input id="delete-id" type="hidden" name="id">
            </form>
        </div>
        <div class="modal-footer d-flex justify-content-center">
            <button type="button" class="btn btn-secondary" data-bs-
dismiss="modal">Cancel</button>
            <button type="submit" form="delete-form" name="delete" class="btn
btn-danger">Delete</button>
        </div>
    </div>
</div>
<!-- External JS -->
<script src="../../assets/scripts/admin_customer.js"></script>
<!-- Option 1: Bootstrap Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-gtEjrD/SeCtmISkJKNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3U1b9Bn9Plx0x4"
crossorigin="anonymous"></script>
</body>
</html>

```

Booking.php

```

<!-- Show these admin pages only when the admin is logged in -->
<?php require '../assets/partials/_admin-check.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>Bookings</title>
    <!-- google fonts -->
    <link rel="preconnect" href="https://fonts.gstatic.com">

```

```

    <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500&
display=swap" rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/d8cfbe84b9.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
+0n0xVW2eSR50omGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOO17+AMvyTG2x"
crossorigin="anonymous">
    <!-- External CSS -->
    <?php
        require '../assets/styles/admin.php';
        require '../assets/styles/admin-options.php';
        $page="booking";
    ?>
</head>
<body>
    <!-- Requiring the admin header files -->
    <?php require '../assets/partials/_admin-header.php';?>
<!-- Add, Edit and Delete Bookings -->
<?php
    /*
        1. Check if an admin is logged in
        2. Check if the request method is POST
    */
    if($loggedIn && $_SERVER["REQUEST_METHOD"] == "POST")
    {
        if(isset($_POST["submit"]))
        {
            /*
                ADDING Bookings
                Check if the $_POST key 'submit' exists
            */
            // Should be validated client-side
            // echo "<pre>";
            // var_export($_POST);
            // echo "</pre>";
            // die;
            $customer_id = $_POST["cid"];
            $customer_name = $_POST["cname"];
            $customer_phone = $_POST["cphone"];
            $route_id = $_POST["route_id"];
            $route_source = $_POST["sourceSearch"];

```

```

$route_destination = $_POST["destinationSearch"];
$route = $route_source . " &rarr; " . $route_destination;
$booked_seat = $_POST["seatInput"];
$amount = $_POST["bookAmount"];
// $dep_timing = $_POST["dep_timing"];

$booking_exists = exist_booking($conn,$customer_id,$route_id);
$booking_added = false;

if(!$booking_exists)
{
    // Route is unique, proceed
    $sql = "INSERT INTO `bookings` (`customer_id`, `route_id`,
`customer_route`, `booked_amount`, `booked_seat`, `booking_created`) VALUES
('$customer_id', '$route_id', '$route', '$amount', '$booked_seat',
current_timestamp());";

    $result = mysqli_query($conn, $sql);
    // Gives back the Auto Increment id
    $autoInc_id = mysqli_insert_id($conn);
    // If the id exists then,
    if($autoInc_id)
    {
        $key = "1234567890ABCDEFGHIJKLMNOPQRSTUVWXYZ";
        $code = "";
        for($i = 0; $i < 5; ++$i)
            $code .= $key[rand(0,strlen($key) - 1)];

        // Generates the unique bookingid
        $booking_id = $code.$autoInc_id;

        $query = "UPDATE `bookings` SET `booking_id` =
'$booking_id' WHERE `bookings`.`id` = $autoInc_id";
        $queryResult = mysqli_query($conn, $query);

        if(!$queryResult)
            echo "Not Working";
    }

    if($result)
        $booking_added = true;
}

if($booking_added)
{
    // Show success alert

```

```

        echo '<div class="my-0 alert alert-success alert-dismissible
fade show" role="alert">
        <strong>Successful!</strong> Booking Added
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';

        // Update the Seats table
        $bus_no = get_from_table($conn, "routes", "route_id",
$route_id, "bus_no");
        $seats = get_from_table($conn, "seats", "bus_no", $bus_no,
"seat_booked");
        if($seats)
        {
            $seats .= "," . $booked_seat;
        }
        else
            $seats = $booked_seat;

        $updateSeatSql = "UPDATE `seats` SET `seat_booked` = '$seats'
WHERE `seats`.`bus_no` = '$bus_no'";
        mysqli_query($conn, $updateSeatSql);
    }
    else{
        // Show error alert
        echo '<div class="my-0 alert alert-danger alert-dismissible
fade show" role="alert">
        <strong>Error!</strong> Booking already exists
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }
}
if(isset($_POST["edit"]))
{
    // EDIT BOOKING
    // echo "<pre>";
    // var_export($_POST);
    // echo "</pre>";die;
    $cname = $_POST["cname"];
    $cphone = $_POST["cphone"];
    $id = $_POST["id"];
    $customer_id = $_POST["customer_id"];
    $id_if_customer_exists = exist_customers($conn,$cname,$cphone);

```

```

        if(!$id_if_customer_exists || $customer_id ==
$id_if_customer_exists)
        {
            $updateSql = "UPDATE `customers` SET
            `customer_name` = '$cname',
            `customer_phone` = '$cphone' WHERE `customers`.`customer_id` =
'$customer_id'";

            $updateResult = mysqli_query($conn, $updateSql);
            $rowsAffected = mysqli_affected_rows($conn);

            $messageStatus = "danger";
            $messageInfo = "";
            $messageHeading = "Error!";

            if(!$rowsAffected)
            {
                $messageInfo = "No Edits Administered!";
            }

            elseif($updateResult)
            {
                // Show success alert
                $messageStatus = "success";
                $messageHeading = "Successfull!";
                $messageInfo = "Customer details Edited";
            }
            else{
                // Show error alert
                $messageInfo = "Your request could not be processed due to
technical Issues from our part. We regret the inconvenience caused";
            }

            // MESSAGE
            echo '<div class="my-0 alert alert-'. $messageStatus .' alert-
dismissible fade show" role="alert">
                <strong>'. $messageHeading .'</strong> '. $messageInfo .'
                <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
            </div>';
        }
        else{
            // If customer details already exists
            echo '<div class="my-0 alert alert-danger alert-dismissible
fade show" role="alert">
                <strong>Error!</strong> Customer already exists

```

```

        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }

}

if(isset($_POST["delete"]))
{
    // DELETE BOOKING
    $id = $_POST["id"];
    $route_id = $_POST["route_id"];
    // Delete the booking with id => id
    $deleteSql = "DELETE FROM `bookings` WHERE `bookings`.`id` = $id";

    $deleteResult = mysqli_query($conn, $deleteSql);
    $rowsAffected = mysqli_affected_rows($conn);
    $messageStatus = "danger";
    $messageInfo = "";
    $messageHeading = "Error!";

    if(!$rowsAffected)
    {
        $messageInfo = "Record Doesn't Exist";
    }

    elseif($deleteResult)
    {
        $messageStatus = "success";
        $messageInfo = "Booking Details deleted";
        $messageHeading = "Successfull!";

        // Update the Seats table
        $bus_no = get_from_table($conn, "routes", "route_id",
$route_id, "bus_no");
        $seats = get_from_table($conn, "seats", "bus_no", $bus_no,
"seat_booked");

        // Extract the seat no. that needs to be deleted
        $booked_seat = $_POST["booked_seat"];

        $seats = explode(",", $seats);
        $idx = array_search($booked_seat, $seats);
        array_splice($seats,$idx,1);
        $seats = implode(",", $seats);
    }
}

```

```

        $updateSeatSql = "UPDATE `seats` SET `seat_booked` = '$seats'
WHERE `seats`.`bus_no` = '$bus_no'";
        mysqli_query($conn, $updateSeatSql);
    }
    else{

        $messageInfo = "Your request could not be processed due to
technical Issues from our part. We regret the inconvenience caused";
    }

    // Message
    echo '<div class="my-0 alert alert-'. $messageStatus .' alert-
dismissible fade show" role="alert">
        <strong>'. $messageHeading .'</strong> '. $messageInfo .'
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
    </div>';
}
?>
<?php
    $resultSql = "SELECT * FROM `bookings` ORDER BY booking_created DESC";

    $resultSqlResult = mysqli_query($conn, $resultSql);

    if(!mysqli_num_rows($resultSqlResult)){ ?>
        <!-- Bookings are not present -->
        <div class="container mt-4">
            <div id="noCustomers" class="alert alert-dark " role="alert">
                <h1 class="alert-heading">No Bookings Found!!</h1>
                <p class="fw-light">Be the first person to add one!</p>
                <hr>
                <div id="addCustomerAlert" class="alert alert-success"
role="alert">
                    Click on <button id="add-button" class="button btn-
sm" type="button" data-bs-toggle="modal" data-bs-target="#addModal">ADD <i class="fas
fa-plus"></i></button> to add a booking!
                </div>
            </div>
        </div>
    <?php }
    else { ?>
        <section id="booking">
            <div id="head">
                <h4>Booking Status</h4>
            </div>

```

```

        <div id="booking-results">
            <div>
                <button id="add-button" class="button btn-sm" type="button" data-bs-toggle="modal" data-bs-target="#addModal">Add Bookings<i
class="fas fa-plus"></i></button>
            </div>
            <table class="table table-hover table-bordered">
                <thead>
                    <th>PNR</th>
                    <th>Name</th>
                    <th>Contact</th>
                    <th>Bus</th>
                    <th>Route</th>
                    <th>Seat</th>
                    <th>Amount</th>
                    <th>Departure</th>
                    <th>Booked</th>
                    <th>Actions</th>
                </thead>
            <?php
                while($row = mysqli_fetch_assoc($resultSqlResult))
                {
                    // echo "<pre>";
                    // var_export($row);
                    // echo "</pre>";
                    $id = $row["id"];
                    $customer_id = $row["customer_id"];
                    $route_id = $row["route_id"];

                    $pnr = $row["booking_id"];

                    $customer_name = get_from_table($conn,
"customers","customer_id", $customer_id, "customer_name");

                    $customer_phone =
get_from_table($conn,"customers","customer_id", $customer_id, "customer_phone");

                    $bus_no = get_from_table($conn, "routes",
"route_id", $route_id, "bus_no");

                    $route = $row["customer_route"];

                    $booked_seat = $row["booked_seat"];

                    $booked_amount = $row["booked_amount"];

```

```

        $dep_date = get_from_table($conn, "routes",
"route_id", $route_id, "route_dep_date");

        $dep_time = get_from_table($conn, "routes",
"route_id", $route_id, "route_dep_time");

        $booked_timing = $row["booking_created"];
    ?>
    <tr>
        <td>
            <?php
                echo $pnr;
            ?>
        </td>
        <td>
            <?php
                echo $customer_name;
            ?>
        </td>
        <td>
            <?php
                echo $customer_phone;
            ?>
        </td>
        <td>
            <?php
                echo $bus_no;
            ?>
        </td>
        <td>
            <?php
                echo $route;
            ?>
        </td>
        <td>
            <?php
                echo $booked_seat;
            ?>
        </td>
        <td>
            <?php
                echo '$'.$booked_amount;
            ?>
        </td>
        <td>
            <?php

```

```

        echo $dep_date . " , ". $dep_time;
    ?>
</td>
<td>
    <?php
        echo $booked_timing;
    ?>
</td>
<td>
    <button class="button btn-sm edit-button" data-
link="<?php echo $_SERVER['REQUEST_URI']; ?>" data-customerid="<?php
        echo $customer_id;?>" data-
id="<?php
            echo $id;?>" data-name="<?php
            echo $customer_name;?>" data-
phone="<?php
            echo $customer_phone;?>"
>Edit</button>
    <button class="button delete-button btn-sm" data-
bs-toggle="modal" data-bs-target="#deleteModal"
    data-id="<?php
        echo $id;?>" data-bookedseat="<?php
        echo $booked_seat;
        ?>" data-routeid="<?php
        echo $route_id;
        ?>"> Delete</button>
</td>
</tr>
<?php
}
?>
</table>
</div>
</section>
<?php } ?>
</div>
</main>
<!-- Requiring _getJSON.php-->
<!-- Will have access to variables
    1. routeJson
    2. customerJson
    3. seatJson
    4. busJson
    5. adminJson
    6. bookingJSON
-->

```

```

<?php require '../assets/partials/_getJSON.php';?>

<!-- All Modals Here -->
<!-- Add Booking Modal -->
<div class="modal fade" id="addModal" tabindex="-1" aria-
labelledby="exampleModallabel" aria-hidden="true">
    <div class="modal-dialog modal-lg modal-dialog-scrollable">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModallabel">Make
Bookings</h5>
                <button type="button" class="btn-close" data-bs-
dismiss="modal" aria-label="Close"></button>
            </div>
            <div class="modal-body">
                <form id="addBookingForm" action="<?php echo
$_SERVER['REQUEST_URI']; ?>" method="POST">
                    <!-- Passing Route JSON -->
                    <input type="hidden" id="routeJson" name="routeJson"
value='<?php echo $routeJson; ?>'>
                    <!-- Passing Customer JSON -->
                    <input type="hidden" id="customerJson"
name="customerJson" value='<?php echo $customerJson; ?>'>
                    <!-- Passing Seat JSON -->
                    <input type="hidden" id="seatJson" name="seatJson"
value='<?php echo $seatJson; ?>'>

                    <div class="mb-3">
                        <label for="cid" class="form-label">Customer
ID</label>
                        <!-- Search Functionality -->
                        <div class="searchQuery">
                            <input type="text" class="form-control
searchInput" id="cid" name="cid">
                            <div class="sugg">

                                </div>
                            </div>
                        </div>
                        <div class="mb-3">
                            <label for="cname" class="form-label">Customer
Name</label>
                            <input type="text" class="form-control" id="cname"
name="cname" readonly>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <label for="cphone" class="form-label">Contact
Number</label>
        <input type="tel" class="form-control" id="cphone"
name="cphone" readonly>
    </div>
    <div class="mb-3">
        <label for="routeSearch" class="form-
label">Route</label>
        <!-- Search Functionality -->
        <div class="searchQuery">
            <input type="text" class="form-control
searchInput" id="routeSearch" name="routeSearch">
            <div class="sugg">
            </div>
        </div>
    </div>
    <!-- Send the route_id -->
    <input type="hidden" name="route_id" id="route_id">
    <!-- Send the departure timing too -->
    <input type="hidden" name="dep_timing" id="dep_timing">

    <div class="mb-3">
        <label for="sourceSearch" class="form-
label">Source</label>
        <!-- Search Functionality -->
        <div class="searchQuery">
            <input type="text" class="form-control
searchInput" id="sourceSearch" name="sourceSearch">
            <div class="sugg">
            </div>
        </div>
    </div>
    <div class="mb-3">
        <label for="destinationSearch" class="form-
label">Destination</label>
        <!-- Search Functionality -->
        <div class="searchQuery">
            <input type="text" class="form-control
searchInput" id="destinationSearch" name="destinationSearch">
            <div class="sugg">
            </div>
        </div>
    </div>
    <!-- Seats Diagram -->
    <div class="mb-3">
        <table id="seatsDiagram">

```

```

<tr>
  <td id="seat-1" data-name="1">1</td>
  <td id="seat-2" data-name="2">2</td>
  <td id="seat-3" data-name="3">3</td>
  <td id="seat-4" data-name="4">4</td>
  <td id="seat-5" data-name="5">5</td>
  <td id="seat-6" data-name="6">6</td>
  <td id="seat-7" data-name="7">7</td>
  <td id="seat-8" data-name="8">8</td>
  <td id="seat-9" data-name="9">9</td>
  <td id="seat-10" data-name="10">10</td>
</tr>
<tr>
  <td id="seat-11" data-name="11">11</td>
  <td id="seat-12" data-name="12">12</td>
  <td id="seat-131" data-name="13">13</td>
  <td id="seat-14" data-name="14">14</td>
  <td id="seat-15" data-name="15">15</td>
  <td id="seat-16" data-name="16">16</td>
  <td id="seat-17" data-name="17">17</td>
  <td id="seat-18" data-name="18">18</td>
  <td id="seat-19" data-name="19">19</td>
  <td id="seat-20" data-name="20">20</td>
</tr>
<tr>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
  <td class="space">&nbsp;</td>
</tr>
<tr>
  <td id="seat-21" data-name="21">21</td>
  <td id="seat-22" data-name="22">22</td>
  <td id="seat-23" data-name="23">23</td>
  <td id="seat-24" data-name="24">24</td>
  <td id="seat-25" data-name="25">25</td>
  <td id="seat-26" data-name="26">26</td>
  <td id="seat-27" data-name="27">27</td>
  <td class="space">&nbsp;</td>
  <td id="seat-28" data-name="28">28</td>

```

```

                <td id="seat-29" data-name="29">29</td>
            </tr>
            <tr>
                <td id="seat-30" data-name="30">30</td>
                <td id="seat-31" data-name="31">31</td>
                <td id="seat-32" data-name="32">32</td>
                <td id="seat-33" data-name="33">33</td>
                <td id="seat-34" data-name="34">34</td>
                <td id="seat-35" data-name="35">35</td>
                <td id="seat-36" data-name="36">36</td>
                <td class="space">&nbsp;</td>
                <td id="seat-37" data-name="37">37</td>
                <td id="seat-38" data-name="38">38</td>
            </tr>
        </table>
    </div>
    <div class="row g-3 align-items-center mb-3">
        <div class="col-auto">
            <label for="seatInput" class="col-form-
label">Seat Number</label>
        </div>
        <div class="col-auto">
            <input type="text" id="seatInput" class="form-
control" name="seatInput" readonly>
        </div>
        <div class="col-auto">
            <span id="seatInfo" class="form-text">
                Select from the above figure, Maximum 1 seat.
            </span>
        </div>
    </div>
    <div class="mb-3">
        <label for="bookAmount" class="form-label">Total
Amount</label>
        <input type="text" class="form-control"
id="bookAmount" name="bookAmount" readonly>
    </div>
    <button type="submit" class="btn btn-success"
name="submit">Submit</button>
    </form>
</div>
<div class="modal-footer">
    <!-- Add Anything -->
</div>
</div>
</div>

```

```

    </div>
    <!-- Delete Modal -->
    <div class="modal fade" id="deleteModal" tabindex="-1" aria-
labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog modal-dialog-centered">
    <div class="modal-content">
    <div class="modal-header">
    <h5 class="modal-title" id="exampleModalLabel"><i class="fas fa-
exclamation-circle"></i></h5>
    <button type="button" class="btn-close" data-bs-dismiss="modal"
aria-label="Close"></button>
    </div>
    <div class="modal-body">
    <h2 class="text-center pb-4">
    Are you sure?
    </h2>
    <p>
    Do you really want to delete this booking? <strong>This process
cannot be undone.</strong>
    </p>
    <!-- Needed to pass id -->
    <form action="<?php echo $_SERVER['REQUEST_URI']; ?>" id="delete-
form" method="POST">
    <input id="delete-id" type="hidden" name="id">
    <input id="delete-booked-seat" type="hidden"
name="booked_seat">
    <input id="delete-route-id" type="hidden" name="route_id">
    </form>
    </div>
    <div class="modal-footer d-flex justify-content-center">
    <button type="button" class="btn btn-secondary" data-bs-
dismiss="modal">Cancel</button>
    <button type="submit" form="delete-form" name="delete" class="btn
btn-danger">Delete</button>
    </div>
    </div>
    </div>
    </div>
    <script src="../../assets/scripts/admin_booking.js"></script>
    <!-- Option 1: Bootstrap Bundle with Popper -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-gtEjrD/SeCtmISKJkNUaAKMoLD0//ElJ19smozuHV6z3Iehds+3U1b9Bn9Plx0x4"
crossorigin="anonymous"></script>
</body>
</html>

```

Route.php

```
<!-- Show these admin pages only when the admin is logged in -->
<?php require '../assets/partials/_admin-check.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>Routes</title>
    <!-- google fonts -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500&
display=swap" rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/d8cfbe84b9.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
+0n0xVW2eSR5OmGNyDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOO17+AMvyTG2x"
crossorigin="anonymous">
    <!-- CSS -->
    <?php
        require '../assets/styles/admin.php';
        require '../assets/styles/admin-options.php';
        $page="route";
    ?>
</head>
<body>
    <!-- Requiring the admin header files -->
    <?php require '../assets/partials/_admin-header.php';?>

    <!-- Add, Edit and Delete Routes -->
    <?php
        /*
            1. Check if an admin is logged in
            2. Check if the request method is POST
        */
        if($loggedIn && $_SERVER["REQUEST_METHOD"] == "POST")
        {
```

```

if(isset($_POST["submit"]))
{
    /*
        ADDING ROUTES
        Check if the $_POST key 'submit' exists
    */
    // Should be validated client-side
    $viaCities = strtoupper($_POST["viaCities"]);
    $cost = $_POST["stepCost"];
    $deptime = $_POST["dep_time"];
    $depdate = $_POST["dep_date"];
    $busno = $_POST["busno"];
    $route_exists = exist_routes($conn,$viaCities,$depdate, $deptime);
    $route_added = false;

    if(!$route_exists)
    {
        // Route is unique, proceed
        $sql = "INSERT INTO `routes` (`route_cities`,
            `bus_no`,
            `route_dep_date`,
            `route_dep_time`, `route_step_cost`, `route_created`) VALUES
('$viaCities','$busno', '$depdate','$deptime', '$cost', current_timestamp());";
        $result = mysqli_query($conn, $sql);

        // Gives back the Auto Increment id
        $autoInc_id = mysqli_insert_id($conn);
        // If the id exists then,
        if($autoInc_id)
        {
            $code = rand(1,999999);
            // Generates the unique userid
            $route_id = "RT-".$code.$autoInc_id;

            $query = "UPDATE `routes` SET `route_id` = '$route_id'
WHERE `routes`.`id` = $autoInc_id;";
            $queryResult = mysqli_query($conn, $query);
            if(!$queryResult)
                echo "Not Working";
        }

        if($result)
        {
            $route_added = true;
            // The bus is now assigned, updating uses table
            bus_assign($conn, $busno);
        }
    }
}

```

```

    }
}

if($route_added)
{
    // Show success alert
    echo '<div class="my-0 alert alert-success alert-dismissible
fade show" role="alert">
        <strong>Successful!</strong> Route Added
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
    </div>';
}
else{
    // Show error alert
    echo '<div class="my-0 alert alert-danger alert-dismissible
fade show" role="alert">
        <strong>Error!</strong> Route already exists
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
    </div>';
}
}
if(isset($_POST["edit"]))
{
    // EDIT ROUTES
    $viaCities = strtoupper($_POST["viaCities"]);
    $cost = $_POST["stepCost"];
    $id = $_POST["id"];
    $deptime = $_POST["dep_time"];
    $depdate = $_POST["dep_date"];
    $busno = $_POST["busno"];
    $oldBusNo = $_POST["old-busno"];

    $id_if_route_exists =
exist_routes($conn,$viaCities,$depdate,$deptime);

    if(!$id_if_route_exists || $id == $id_if_route_exists)
    {
        $updateSql = "UPDATE `routes` SET
        `route_cities` = '$viaCities',
        `bus_no` = '$busno',
        `route_dep_date` = '$depdate',
        `route_dep_time` = '$deptime',
        `route_step_cost` = '$cost' WHERE `routes`.`id` = '$id';";
    }
}

```

```

$updateResult = mysqli_query($conn, $updateSql);
$rowsAffected = mysqli_affected_rows($conn);

$messageStatus = "danger";
$messageInfo = "";
$messageHeading = "Error!";

if(!$rowsAffected)
{
    $messageInfo = "No Edits Administered!";
}

elseif($updateResult)
{
    // To assign the new bus, and free the old one - this
should only reuun when the bus no is edited.
    if($oldBusNo != $busno)
    {
        bus_assign($conn,$busno);
        bus_free($conn, $oldBusNo);
    }
    // Show success alert
    $messageStatus = "success";
    $messageHeading = "Successfull!";
    $messageInfo = "Route details Edited";
}
else{
    // Show error alert
    $messageInfo = "Your request could not be processed due to
technical Issues from our part. We regret the inconvenience caused";
}

// MESSAGE
echo '<div class="my-0 alert alert-'. $messageStatus.' alert-
dismissible fade show" role="alert">
    <strong>'. $messageHeading.'</strong> '. $messageInfo.'
    <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
    </div>';
}
else
{
    // If route details already exists
    echo '<div class="my-0 alert alert-danger alert-dismissible
fade show" role="alert">

```

```

        <strong>Error!</strong> Route details already exists
        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }

}

if(isset($_POST["delete"]))
{
    // DELETE ROUTES
    $id = $_POST["id"];
    // Get the bus_no from route_id
    $busno_toFree = busno_from_routeid($conn, $id);
    // Delete the route with id => id
    $deleteSql = "DELETE FROM `routes` WHERE `routes`.`id` = $id";
    $deleteResult = mysqli_query($conn, $deleteSql);
    $rowsAffected = mysqli_affected_rows($conn);
    $messageStatus = "danger";
    $messageInfo = "";
    $messageHeading = "Error!";

    if(!$rowsAffected)
    {
        $messageInfo = "Record Doesnt Exist";
    }

    elseif($deleteResult)
    {
        // echo $num;
        // Show success alert
        $messageStatus = "success";
        $messageInfo = "Route Details deleted";
        $messageHeading = "Successfull!";
        // Free the bus assigned
        bus_free($conn, $busno_toFree);
    }
    else{
        // Show error alert
        $messageInfo = "Your request could not be processed due to
technical Issues from our part. We regret the inconvenience caused";
    }
    // Message
    echo '<div class="my-0 alert alert-'. $messageStatus .' alert-
dismissible fade show" role="alert">
        <strong>'. $messageHeading .'</strong> '. $messageInfo .'

```

```

        <button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label="Close"></button>
        </div>';
    }
}
?>
<?php
    $resultSql = "SELECT * FROM `routes` ORDER BY route_created DESC";

    $resultSqlResult = mysqli_query($conn, $resultSql);
    if(!mysqli_num_rows($resultSqlResult)){ ?>
        <!-- Routes are not present -->
        <div class="container mt-4">
            <div id="noRoutes" class="alert alert-dark " role="alert">
                <h1 class="alert-heading">No Routes Found!!</h1>
                <p class="fw-light">Be the first person to add one!</p>
                <hr>
                <div id="addRouteAlert" class="alert alert-success"
role="alert">
                    Click on <button id="add-button" class="button btn-
sm"type="button" data-bs-toggle="modal" data-bs-target="#addModal">ADD <i class="fas
fa-plus"></i></button> to add a route!
                </div>
            </div>
        </div>
    <?php }
    else { ?>
        <!-- Routes Are present -->
        <section id="route">
            <div id="head">
                <h4>Route Status</h4>
            </div>
            <div id="route-results">
                <div>
                    <button id="add-button" class="button btn-
sm"type="button" data-bs-toggle="modal" data-bs-target="#addModal">Add Route Details
<i class="fas fa-plus"></i></button>
                </div>
                <table class="table table-hover table-bordered">
                    <thead>
                        <th>ID</th>
                        <th>Via Cities</th>
                        <th>Bus</th>
                        <th>Departure Date</th>
                        <th>Departure Time</th>
                        <th>Cost</th>

```



```

                                <td>
                                <button class="button edit-button "
data-link="<?php echo $_SERVER['REQUEST_URI']; ?>" data-id="<?php
                                echo $id;?>" data-cities="<?php
                                echo $route_cities;?>" data-
cost="<?php
                                echo $route_step_cost;?>" data-
date="<?php
                                echo $route_dep_date;
                                ?>" data-time="<?php
                                echo $route_dep_time;
                                ?>" data-busno="<?php
                                echo $bus_no;
                                ?>"
                                >Edit</button>
                                <button class="button delete-button"
data-bs-toggle="modal" data-bs-target="#deleteModal" data-id="<?php
                                echo $id;?>">Delete</button>
                                </td>
                                </tr>
                                <?php
                                }
                                ?>
                                </table>
                                </div>
                                </section>
                                <?php }
                                ?>
                                </div>
                                </main>
                                <?php
                                $busSql = "Select * from buses where bus_assigned=0";
                                $resultBusSql = mysqli_query($conn, $busSql);
                                $arr = array();
                                while($row = mysqli_fetch_assoc($resultBusSql))
                                    $arr[] = $row;
                                $busJson = json_encode($arr);
                                ?>
                                <!-- Add Route Modal -->
                                <div class="modal fade" id="addModal" tabindex="-1" aria-
labelledby="exampleModalLabel" aria-hidden="true">
                                    <div class="modal-dialog">
                                        <div class="modal-content">
                                            <div class="modal-header">
                                                <h5 class="modal-title" id="exampleModalLabel">Add A
Route</h5>

```

```

        <button type="button" class="btn-close" data-bs-
dismiss="modal" aria-label="Close"></button>
    </div>
    <div class="modal-body">
        <form id="addRouteForm" action="<?php echo
$_SERVER['REQUEST_URI']; ?>" method="POST">
            <div class="mb-3">
                <label for="viaCities" class="form-label">Via
Cities</label>
                <input type="text" class="form-control"
id="viaCities" name="viaCities" placeholder="Comma Separated List" required>
                <span id="error">

            </span>
            </div>
            <input type="hidden" id="busJson" name="busJson"
value='<?php echo $busJson; ?>'>
            <div class="mb-3">
                <label for="busno" class="form-label">Bus
Number</label>
                <!-- Search Functionality -->
                <div class="searchBus">
                    <input type="text" class="form-
control busnoInput" id="busno" name="busno" required>
                    <div class="sugg">
                    </div>
                </div>
            </div>
            <div class="mb-3">
                <label for="stepCost" class="form-
label">Cost</label>
                <input type="number" class="form-control"
id="stepCost" name="stepCost" required>
            </div>
            <div class="mb-3">
                <label for="date" class="form-label">Departure
Date</label>
                <input type="date" name="dep_date" id="date"
min="<?php
                date_default_timezone_set("Asia/Kolkata");
                echo date("Y-m-d");?>" value="
                <?php
                echo date("Y-m-d");
                ?>
                " required>
            </div>

```

```

        <div class="mb-3">
            <label for="time" class="form-label">Departure
Time</label>

            <input type="time" name="dep_time" id="time" min="
            <?php
                echo date("H:i");
            ?>
            " required>
        </div>
        <button type="submit" class="btn btn-success"
name="submit">Submit</button>
    </form>
</div>
<div class="modal-footer">
    <!-- Add Anything -->
</div>
</div>
</div>
<!-- Delete Modal -->
<div class="modal fade" id="deleteModal" tabindex="-1" aria-
labelledby="exampleModallabel" aria-hidden="true">
    <div class="modal-dialog modal-dialog-centered">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModallabel"><i class="fas fa-
exclamation-circle"></i></h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal"
aria-label="Close"></button>
            </div>
            <div class="modal-body">
                <h2 class="text-center pb-4">
                    Are you sure?
                </h2>
                <p>
                    Do you really want to delete this route? <strong>This process
cannot be undone.</strong>
                </p>
                <!-- Needed to pass id -->
                <form action="<?php echo $_SERVER['REQUEST_URI']; ?>" id="delete-
form" method="POST">
                    <input id="delete-id" type="hidden" name="id">
                </form>
            </div>
            <div class="modal-footer d-flex justify-content-center">

```

```

        <button type="button" class="btn btn-secondary" data-bs-
dismiss="modal">Cancel</button>
        <button type="submit" form="delete-form" name="delete" class="btn
btn-danger">Delete</button>
    </div>
</div>
</div>
<!-- External JS -->
<script src="../../assets/scripts/admin_routes.js"></script>
<!-- Option 1: Bootstrap Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-gtEjrD/SeCtmISkJKNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3U1b9Bn9P1x0x4"
crossorigin="anonymous"></script>
</body>
</html>

```

Signup.php

```

<!-- Show these admin pages only when the admin is logged in -->
<?php require '../assets/partials/_admin-check.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>Add Admin</title>
        <!-- google fonts -->
        <link rel="preconnect" href="https://fonts.gstatic.com">
        <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500&
display=swap" rel="stylesheet">
        <!-- Bootstrap CSS -->
        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
+0n0xVW2eSR50omGNyDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOO17+AMvyTG2x"
crossorigin="anonymous">
        <!-- Font Awesome -->
        <script src="https://kit.fontawesome.com/d8cfbe84b9.js"
crossorigin="anonymous"></script>

```

```

        <!-- External CSS -->
        <?php
        require '../assets/styles/admin.php';
        require '../assets/styles/signup.php';
        $page="signup";
    ?>
</head>
<body>
    <!-- Requiring the admin header files -->
    <?php require '../assets/partials/_admin-header.php';?>

    <!-- Signup Status -->
    <?php
        if(isset($_GET['signup']))
        {
            if($_GET['signup'])
            {
                // Show success alert
                echo '<div class="my-0 alert alert-success alert-
dismissible fade show" role="alert">
                    <strong>Successful!</strong> Account created successfully
                    <button type="button" class="btn-close" data-bs-
dismiss="alert" aria-label="Close"></button>
                </div>';
            }

            elseif($_GET['user_exists'])
                // Show error alert
                echo '<div class="my-0 alert alert-danger alert-dismissible
fade show" role="alert">
                    <strong>Error!</strong> Username already exists
                    <button type="button" class="btn-close" data-bs-
dismiss="alert" aria-label="Close"></button>
                </div>';
            }
        ?>
    <section id="add-admin">
        <div>
            <div id="signupForm">
                <h2>ADD NEW ADMIN</h2>
                <form action="../assets/partials/_handleSignup.php"
method="POST">
                    <div>
                        <input type="text" name="firstName"
placeholder="First Name*">

```

```

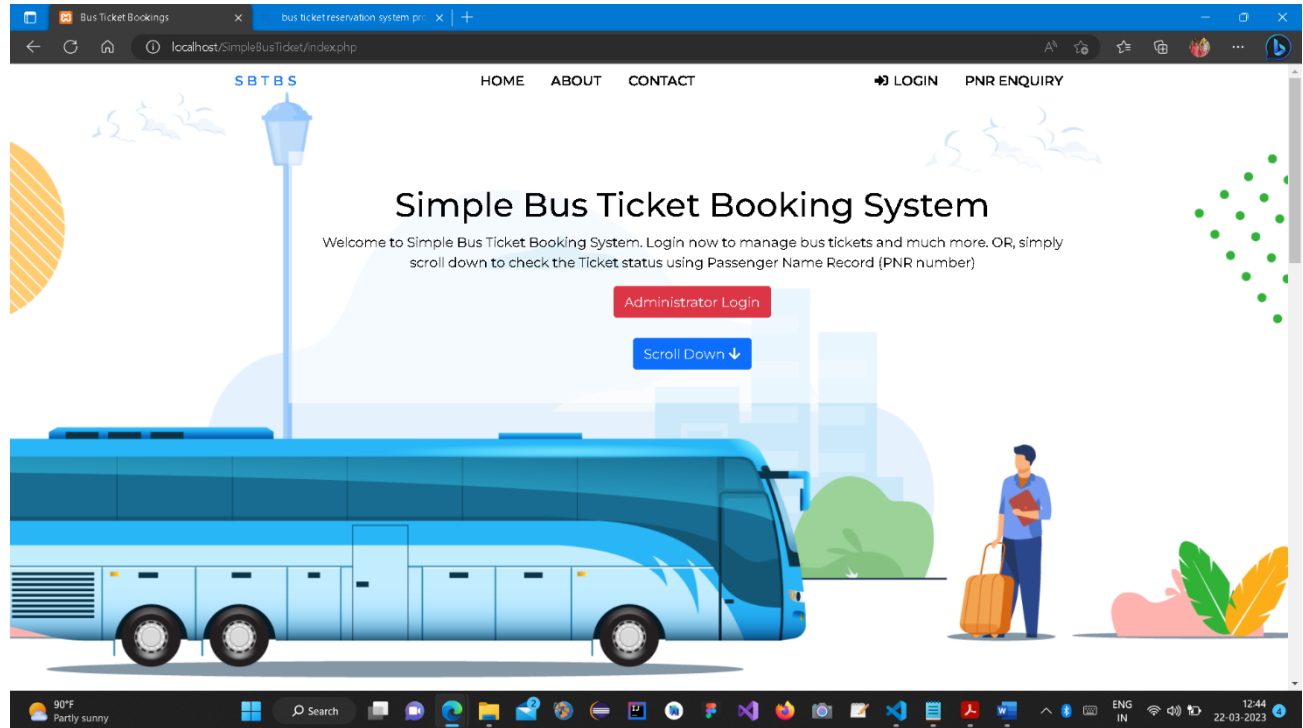
                <input type="text" name="lastName"
placeholder="Last Name*" required>
            </div>
        </div>
        <div>
            <input type="text" name="username"
placeholder="Username*" required>
        </div>
        </div>
        <div>
            <input id="password" type="password"
name="password" placeholder="Password*" required>
            <span id="passwordErr" class="error"></span>
        </div>
        </div>
        <div>
            <input id="confPassword" type="password"
name="confPassword" placeholder="Confirm Password*" required>
            <span id="confPassErr" class="error"></span>
        </div>
        </div>
        <button id="signup-btn" type="submit"
name="signup">PROCEED</button>
    </form>
</div>
</div>
<div>
</div>
</div>
</div>
</section>
</div>
<script src="../../assets/scripts/admin_signup.js">
</script>
<!-- Option 1: Bootstrap Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-gtEjrD/SeCtmISkJKNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3U1b9Bn9Plx0x4"
crossorigin="anonymous"></script>
</body>
</html>

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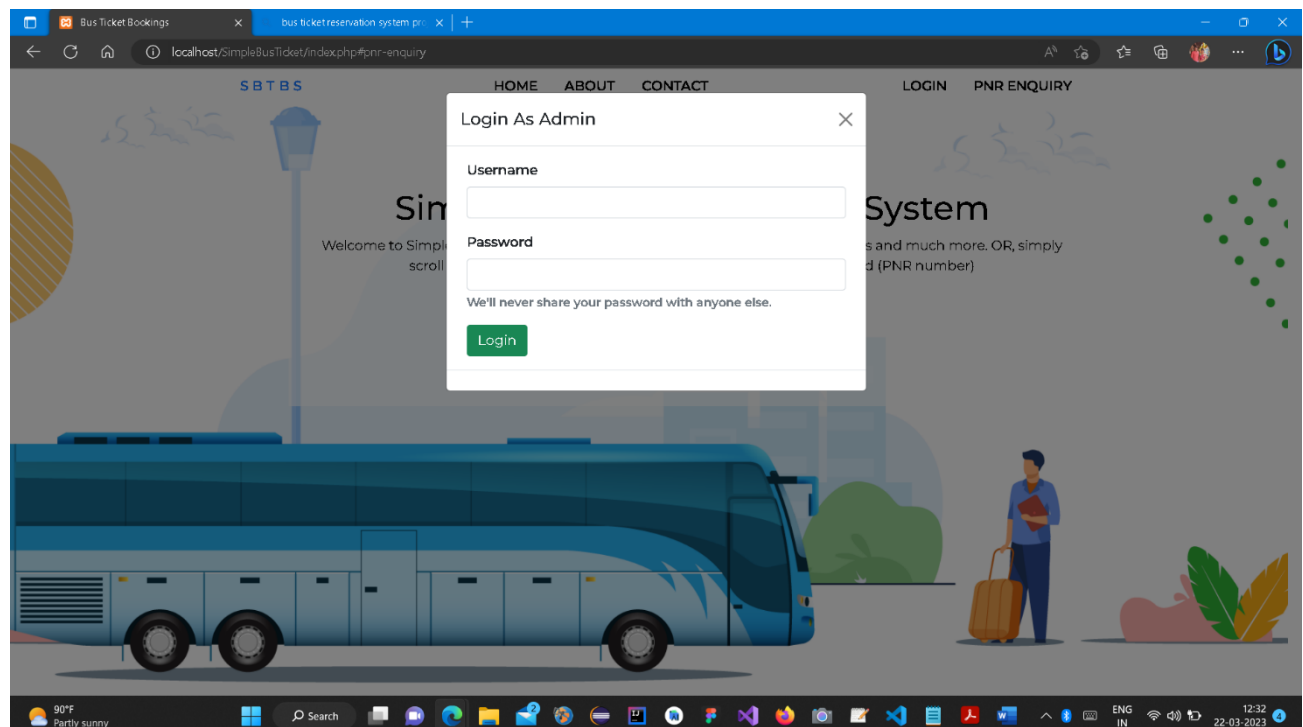
CHAPTER 11

SCREENSHOTS:

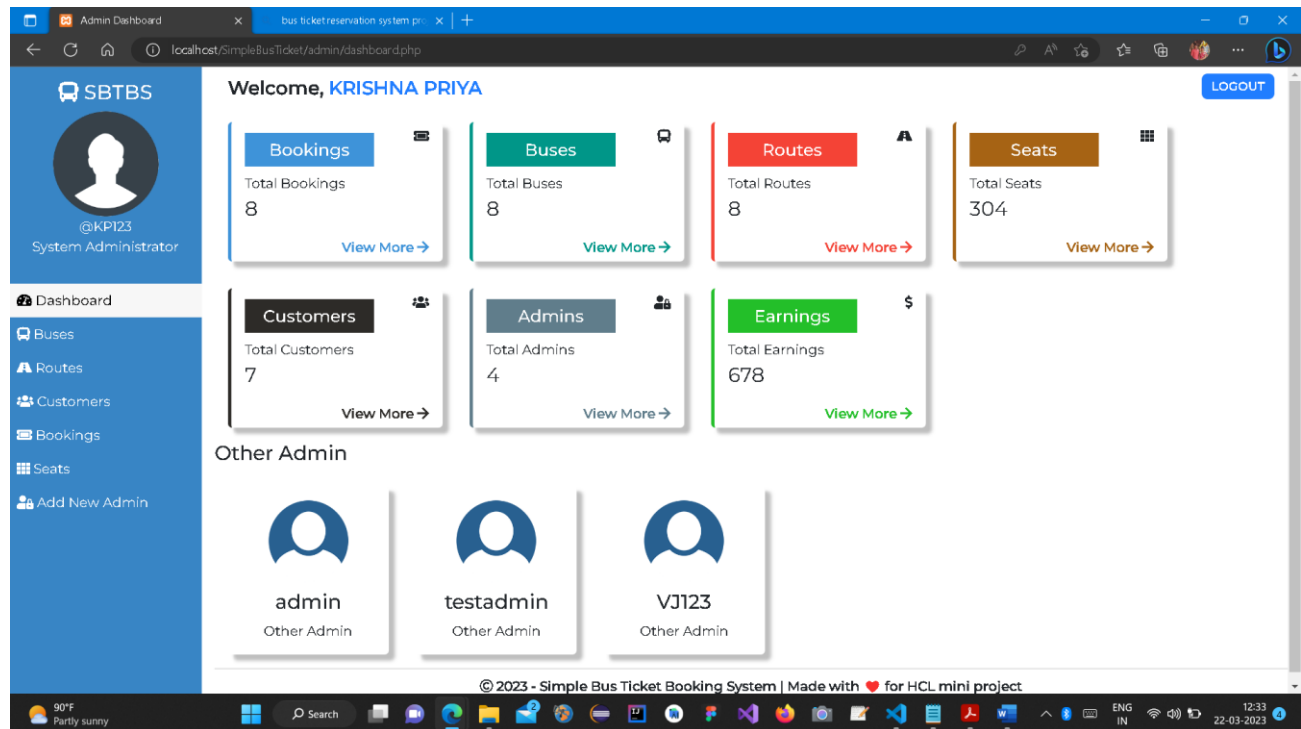
1. Home page



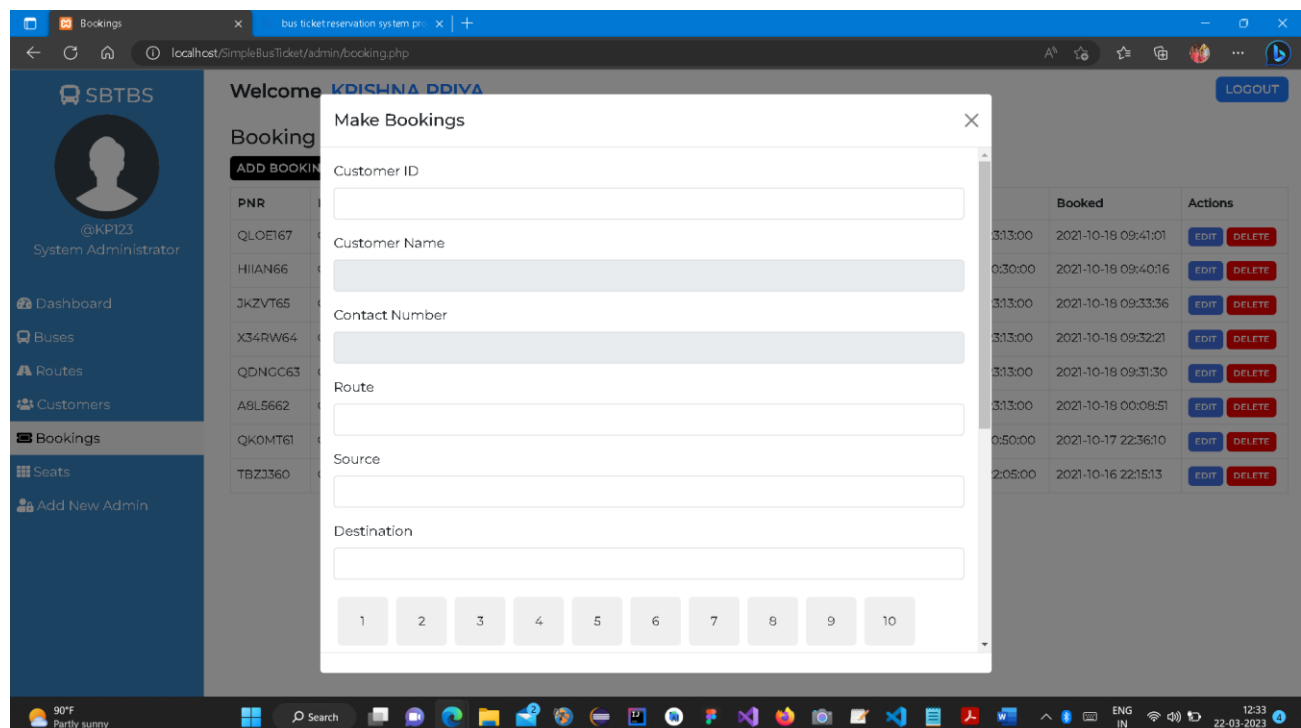
2. Login page



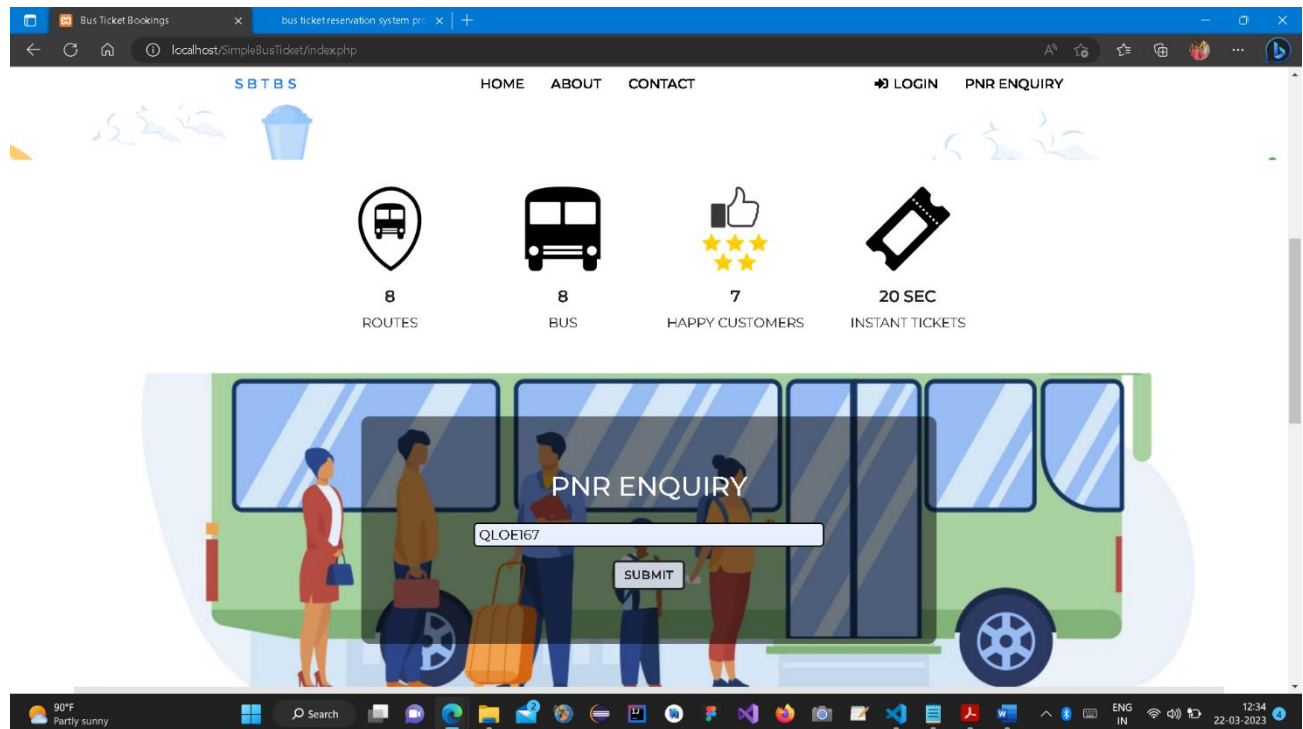
3. Dashboard



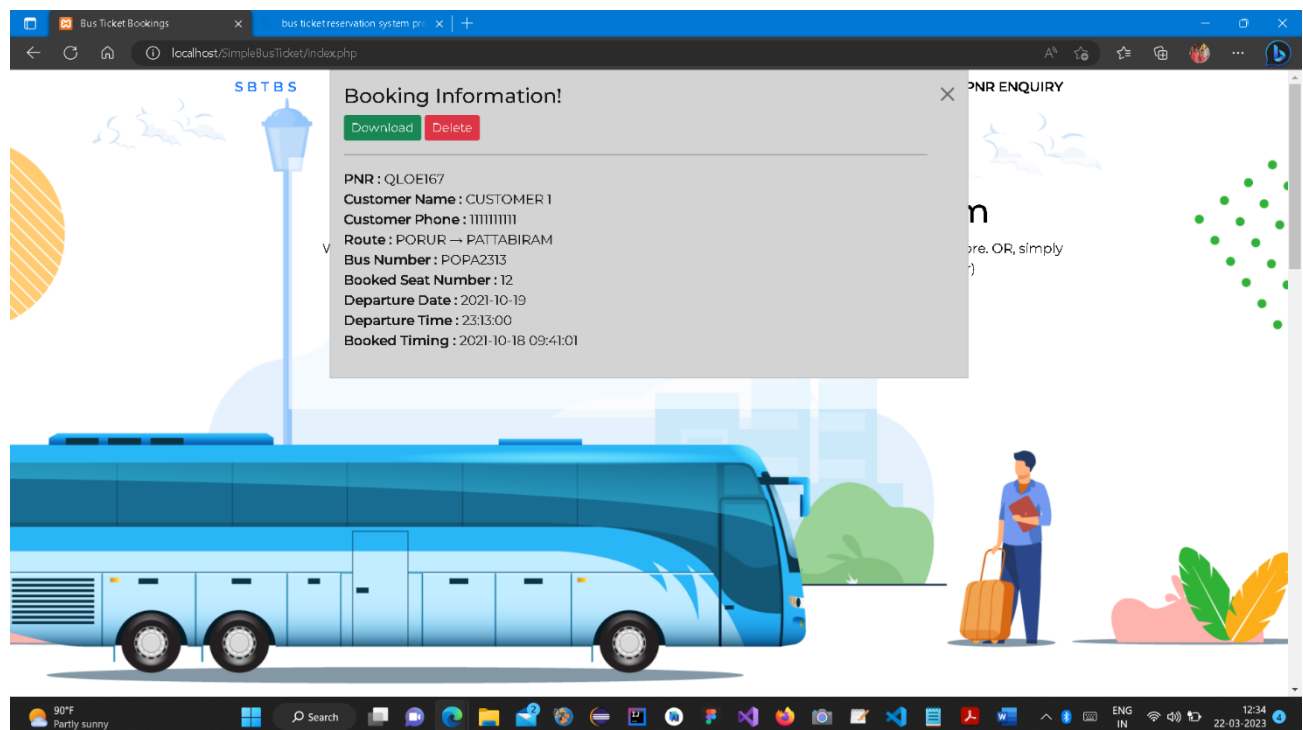
4. New Bookings



5. PNR Enquiry



6. Booking Information



CHAPTER 12

CONCLUSION

It can be observed that computer applications are very important in every field of human endeavor. Here all the information about customer that made reservation can be gotten just by clicking a button with this new system, some of the difficulties encountered with the manual system are overcome. It will also reduce

the workload of the staff, reduce the time used for making reservation at the bus terminal and also increase efficiency. The application also has the ability to update records in various files automatically thereby relieving the company's staff the stress of working from file security of data.

Our project online bus reservation system provides an easy way for booking the bus tickets. Our project has succeeded in managing the data and providing the best service to the users.

This project, as a whole, will give a new way in bus reservations and ticketing processes. The automation and management of seats and reservations will be done online. However, this project does not limit the walk-in passengers that is passengers who visit the company's counter because it also caters for them. This also lessens the use of papers like in the traditional way of ticketing.

Finally, in Online Bus Booking System, we have developed a secure, user-friendly Bus Reservation System. This Project basically provides a Bus information and regarding bus information. First of all, in our website any user or visitors view our system and search the bus and how many seats are available in our buses.

The user can also register its own seats in the bus this website. The user can post a comment on different Bus Services. But user can compulsory registered first in the system. Search Bus category wise.

This system has automated process to alert employee as well as customers who have booked their seats with the system.

This is the cloud based online system. Therefore, to access this system you only need a web browser, internet connection. This is the 24X7 available system. We observed the working of the Bus reservation system and after going through it, we get to know that there are many operations, which they have to do manually.

It takes a lot of time and causing many errors while data entry. Due to this, sometimes a lot of problems occur and they were facing many disputes with customers. To solve the above problem, and further maintaining records of passenger details, seat availability, price per seat, bill generation and other things, we are developed computerized reservation system.

By using this software, we can reserve tickets, through telephone lines, via the internet. The customer can check the availability of bus and reserve selective seats. The project provides and reviews all sorts of constraints so that user does give only user data and thus validation is done in an efficient manner.

CHAPTER 13

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