



FALL SEMESTER 2022-23

CLOUD COMPUTING

Course code: CSC1014

Slot: D1+TD1

Faculty Name: LAWANY SHRI M

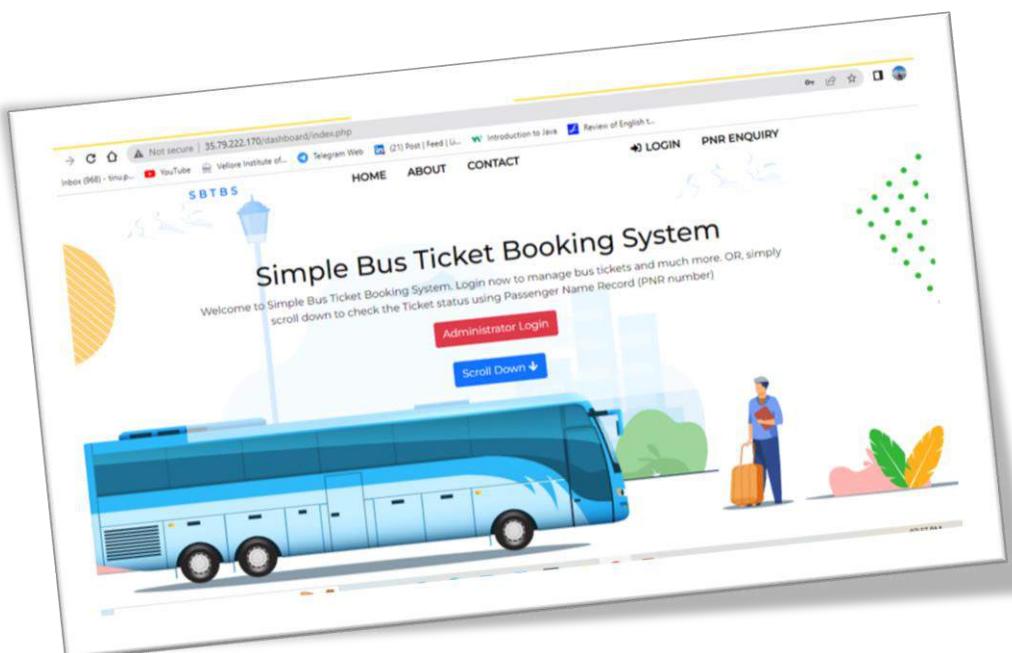
REVIEW — 3

Team members

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Topic:

BUS RESERVATION SYSTEM

Introduction

Traveling is a large growing business across all countries. Bus reservation system deals with maintenance of records of details of each passenger. It also includes maintenance of information like schedule and details of each bus. 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 offering this proposal of computerized reservation system.

The Online Bus Ticket Reservation System is a web based application that allows visitors check bus ticket availability, buy bus ticket and pay the bus ticket online. This system is established for all the home/office users after gaining access from the administrator. According to Invaders.

Online Bus Reservation System provides bus transportation system, a facility to reserved seats, cancellation of seats and different types of enquiry which need an instant and quick reservation. This system can be used by the users in performing online reservation via internet for their all business purposes. Users can use this program directly on their websites and no need to install it.

Description

Login page

The page where the system users will submit their details to access the bus information

Home page

This page where the system users will be redirected by default after logging or signing up into the system.

Admin page

This page controls the users data where the travel starts and the travel ends and this page checks if there is any seats available and notify the users.

Front End

- HTML
- CSS
- JAVASCRIPT

Back End

- PHP
- MYSQL

Source code

```
<?php

require 'assets/partials/_functions.php';

$conn = db_connect();

if(!$conn)
    die("Connection Failed");

?>

<!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>Bus Ticket 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&disl
  play=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-
+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOI7+AMvyTG
2x" crossorigin="anonymous">

<!-- CSS -->

<?php
  require 'assets/styles/styles.php'
?>

</head>

<body>

<?php

if(isset($_GET["booking_added"])) && !isset($_POST['pnr-search'])) {
  if($_GET["booking_added"]){
    echo '<div class="my-0 alert alert-success alert-dismissible fade show" role="alert">
      <strong>Successful!</strong> Booking Added, your PNR is <span style="font-
      weight:bold; color: #272640;">'. $_GET["pnr"] .'</span>
      <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> Booking already exists
<button type="button" class="btn-close" data-bs-dismiss="alert" aria-
label="Close"></button>
</div>';

}

}

if($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["pnr-search"]))
{
$pnr = $_POST["pnr"];

$sql = "SELECT * FROM bookings WHERE booking_id='$pnr'";

$result = mysqli_query($conn, $sql);

$num = mysqli_num_rows($result);

if($num)
{
    $row = mysqli_fetch_assoc($result);

    $route_id = $row["route_id"];

    $customer_id = $row["customer_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");
```

```
$customer_route = $row["customer_route"];
```

```
$booked_amount = $row["booked_amount"];
```

```
$booked_seat = $row["booked_seat"];
```

```
$booked_timing = $row["booking_created"];
```

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

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

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

```
?>
```

```
<div class="alert alert-dark alert-dismissible fade show" role="alert">
```

```
<h4 class="alert-heading">Booking Information!</h4>
```

```
<p>
```

```
    <button class="btn btn-sm btn-success"><a href="assets/partials/_download.php?pn-> echo $pn->" class="link-light">Download</a></button>
```

```
    <button class="btn btn-danger btn-sm" id="deleteBooking" data-bs-toggle="modal" data-bs-target="#deleteModal" data-pn-> echo $pn->" data-seat=> echo $booked_seat;?>" data-bus=> echo $bus_no;?>">
```

Delete

```
</button>

</p>
<hr>

<p class="mb-0">
    <ul class="pnr-details">
        <li>
            <strong>PNR : </strong>
            <?php echo $pnr; ?>
        </li>
        <li>
            <strong>Customer Name : </strong>
            <?php echo $customer_name; ?>
        </li>
        <li>
            <strong>Customer Phone : </strong>
            <?php echo $customer_phone; ?>
        </li>
        <li>
            <strong>Route : </strong>
            <?php echo $customer_route; ?>
        </li>
        <li>
            <strong>Bus Number : </strong>
            <?php echo $bus_no; ?>
        </li>
```

```

<li>
    <strong>Booked Seat Number : </strong>
    <?php echo $booked_seat; ?>
</li>

<li>
    <strong>Departure Date : </strong>
    <?php echo $dep_date; ?>
</li>

<li>
    <strong>Departure Time : </strong>
    <?php echo $dep_time; ?>
</li>

<li>
    <strong>Booked Timing : </strong>
    <?php echo $booked_timing; ?>
</li>

</p>

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

<?php }
else{
echo '<div class="my-0 alert alert-danger alert-dismissible fade show" role="alert">
<strong>Error!</strong> Record Doesn Exist
<button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
';
}

```

```
</div>';  
}  
  
?>  
  
<?php }  
  
// Delete Booking  
if($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["deleteBtn"]))  
{  
    $pnr = $_POST["id"];  
    $bus_no = $_POST["bus"];  
    $booked_seat = $_POST["booked_seat"];  
  
    $deleteSql = "DELETE FROM `bookings` WHERE `bookings`.`booking_id` =  
$pnr";  
  
    $deleteResult = mysqli_query($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
    $seats = get_from_table($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>;  
  
}
```

```
?>
```

```
<header>
```

```
<nay>
```

```
<div>
```

```
<a href="#" class="nav-item nav-logo">SBTBS</a>
```

```
<!-- <a href="#" class="nav-item">Gallery</a> -->
```

```
</div>
```

```
<ul>
```

```
<li><a href="#" class="nav-item">Home</a></li>
```

```
<li><a href="#about" class="nav-item">About</a></li>
```

```
<li><a href="#contact" class="nav-item">Contact</a></li>
```

```
</ul>
```

```

<div>

    <a href="#" class="login nav-item" data-bs-toggle="modal" data-bs-target="#loginModal"><i class="fas fa-sign-in-alt" style="margin-right: 0.4rem;"></i>Login</a>

    <a href="#pnr-enquiry" class="pnr nav-item">PNR Enquiry</a>

</div>

</nav>

</header>

<!-- Login Modal -->

<?php require 'assets/partials/_loginModal.php';

require 'assets/partials/_getJSON.php';

$routeData = json_decode($routeJson);
$busData = json_decode($busJson);
$customerData = json_decode($customerJson);

?>

<section id="home">

<div id="route-search-form">

    <h1>Simple Bus Ticket Booking System</h1>

    <p class="text-center">Welcome to Simple Bus Ticket Booking System. Login now to manage bus tickets and much more. OR, simply scroll down to check the Ticket status using Passenger Name Record (PNR number)</p>

    <center>

        <button class="btn btn-danger" data-bs-toggle="modal" data-bs-target="#loginModal">Administrator Login</button>

```

```
</center>

<br>

<center>

<a href="#pnr-enquiry"><button class="btn btn-primary">Scroll Down <i class="fa fa-arrow-down"></i></button></a>

</center>

</div>

</section>

<div id="block">

<section id="info-num">

<figure>



<figcaption>

<span class="num counter" data-target=<?php echo count($routeData); ?>">999</span>

<span class="icon-name">routes</span>

</figcaption>

</figure>

<figure>



<figcaption>

<span class="num counter" data-target=<?php echo count($busData); ?>">999</span>

<span class="icon-name">bus</span>

</figcaption>
```

```

</figure>

<figure>

    <figcaption>

        <span class="num counter" data-target="<?php echo count($customerData);
?>">999</span>

        <span class="icon-name">happy customers</span>

    </figcaption>

</figure>

<figure>

    <figcaption>

        <span class="num"><span class="counter" data-target="20">999</span>
SEC</span>

        <span class="icon-name">Instant Tickets</span>

    </figcaption>

</figure>

</section>

<section id="pnr-enquiry">

    <div id="pnr-form">

        <h2>PNR ENQUIRY</h2>

        <form action="<?php echo $_SERVER['REQUEST_URI'];
?>" method="POST">

            <div>

                <input type="text" name="pnr" id="pnr" placeholder="Enter PNR">

            </div>

```

```
<button type="submit" name="pnr-search">Submit</button>
</form>
</div>
</section>
<section id="about">
<div>
<h1>About Us</h1>
<h4>Wanna know were it all started?</h4>
<p>
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis soluta
    voluptas eaque, numquam veritatis aperiam expedita deleniti, nesciunt cum alias velit.
    Cupiditate commodi
<p>
    Lorem ipsum dolor, sit amet consectetur adipisicing elit. Accusamus cum nisi ea
    optio unde aliquam quia reprehenderit atque eum tenetur!
<p>
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Sed placeat debitis
    corporis voluptates modi quibusdam quidem voluptatibus illum, maiores sequi.
</p>
</div>
</section>
<section id="contact">
<div id="contact-form">
<h1>Contact Us</h1>
<form action="">
<div>
<label for="name">Name</label>
<input type="text" name="name" id="name">
</div>
```

```
<div>

    <label for="email">Email Address</label>

    <input type="email" name="email" id="email">

</div>

<div>

    <label for="message">Message</label>

    <textarea name="message" id="message" cols="30" rows="10"></textarea>

</div>

<div></div>

</form>

</div>

</section>

<!-- <footer>

<p>

    <i class="far fa-copyright"></i> <?php echo date('Y');?> - Simple Bus Ticket
Booking System | Made with &#10084;&#65039; by Ashwin Anil

</p>

</footer> -->

</div>

<!-- Delete Booking Modal -->

<div      class="modal      fade"      id="deleteModal"      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"><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 your booking? <strong>This process cannot be undone.</strong>

    </p>

    <!-- Needed to pass pnr -->

    <form action="<?php echo $_SERVER['PHP_SELF']; ?>" 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-booked-bus" type="hidden" name="bus">

    </form>

</div>

<div class="modal-footer">

    <button type="submit" form="delete-form" class="btn btn-primary btn-danger" name="deleteBtn">Delete</button>

</div>

</div>

</div>
```

```

<!-- 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+3Ul9Bn9Plx0x4"
crossorigin="anonymous"></script>

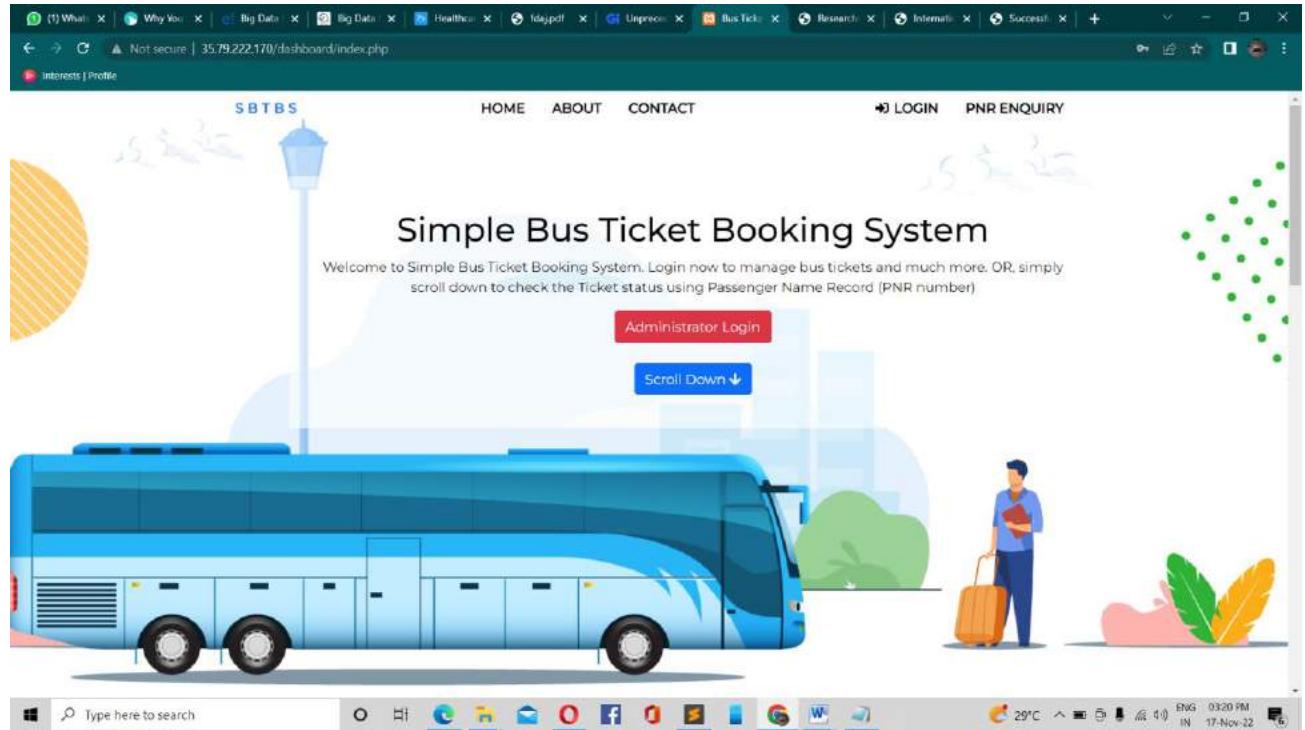
<!-- External JS -->

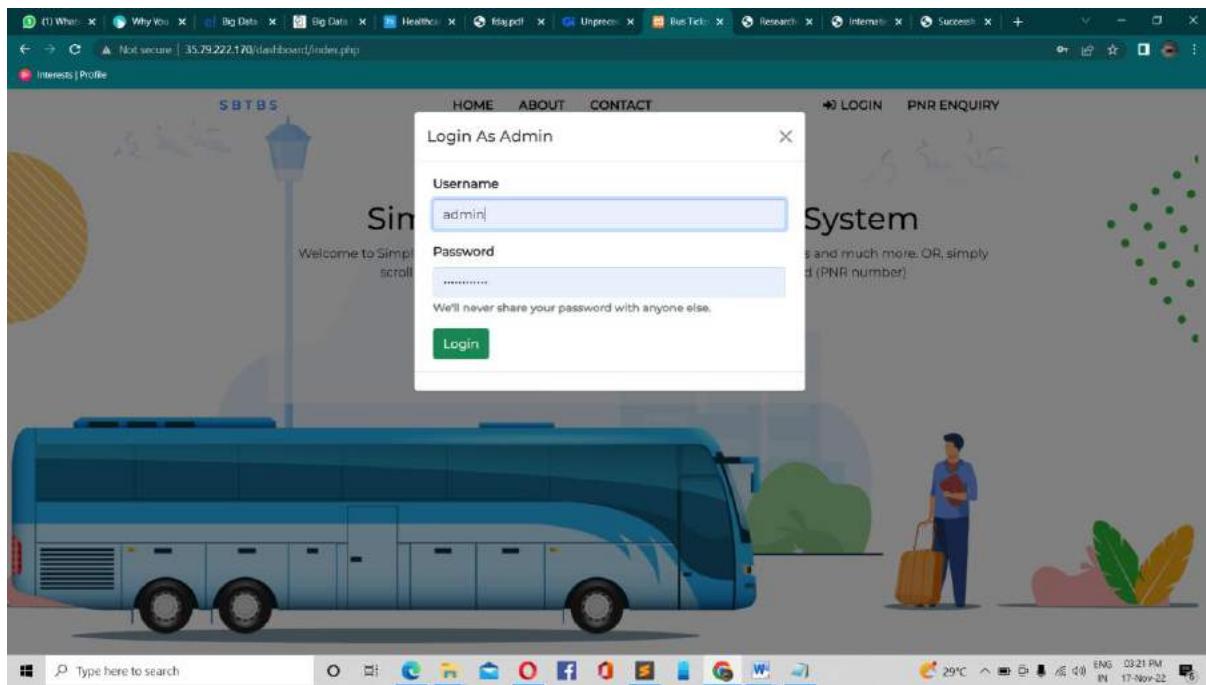
<script src="assets/scripts/main.js"></script>

</body>

</html>

```





Username: admin

Password: Password@123

The screenshot shows the SBTBS dashboard for an administrator named Liam Moore. The top navigation bar includes 'HOME', 'ABOUT', 'CONTACT', 'LOGOUT', and links for 'Interests | Profile' and 'Admin'. The main area displays various statistics in cards: Bookings (12), Buses (11), Routes (8), Seats (418), Customers (12), Admins (3), and Earnings (999). On the left, a sidebar lists navigation items like Dashboard, Buses, Routes, Customers, Bookings, Seats, and 'Add New Admin'. Below the main stats, there's a section for 'Other Admin' showing profiles for 'testadmin' and 'tinupranav'. The taskbar at the bottom is identical to the previous screenshot.

Welcome, Liam Moore

LOGOUT

Bus Status

ADD BUS DETAILS +

| # | Bus Number | Actions |
|----|------------|---|
| 1 | 123 | EDIT DELETE |
| 2 | NBS4455 | EDIT DELETE |
| 3 | SSX6633 | EDIT DELETE |
| 4 | LLL7699 | EDIT DELETE |
| 5 | MMM9969 | EDIT DELETE |
| 6 | TTH8888 | EDIT DELETE |
| 7 | RDH4255 | EDIT DELETE |
| 8 | BCC9999 | EDIT DELETE |
| 9 | XYZ7890 | EDIT DELETE |
| 10 | ABCD0010 | EDIT DELETE |
| 11 | MVL1000 | EDIT DELETE |

Type here to search

Welcome, Liam Moore

LOGOUT

Route Status

ADD ROUTE DETAILS +

| ID | Via Cities | Bus | Departure Date | Departure Time | Cost | Actions |
|------------|----------------------|----------|----------------|----------------|-------|---|
| RT-5887160 | FLORIA,ARKBY | CAS3300 | 2021-10-19 | 10:30:00 | \$118 | EDIT DELETE |
| RT-6028759 | BELRITH,ARKBY | LLL7699 | 2021-10-20 | 13:50:00 | \$166 | EDIT DELETE |
| RT-753558 | ARKBY,VEIM | TTH8888 | 2021-10-20 | 12:04:00 | \$55 | EDIT DELETE |
| RT-775557 | ENCEFORD,VIRGINIA | ABCD0010 | 2021-10-28 | 13:50:00 | \$151 | EDIT DELETE |
| RT-9069556 | ANTALAND,ZRECW | XYZ7890 | 2021-10-19 | 11:40:00 | \$85 | EDIT DELETE |
| RT-9947455 | EDRO/SCHESTER,BRUGOW | RDH4255 | 2021-10-18 | 10:00:00 | \$110 | EDIT DELETE |
| RT-3835554 | ZEKA,ZRECW | MMM9969 | 2021-10-19 | 23:13:00 | \$70 | EDIT DELETE |
| RT-1908653 | CITYLCITY2 | MVL1000 | 2021-10-17 | 22:05:00 | \$100 | |

Type here to search

Welcome, Liam Moore

Customer Status

ADD CUSTOMER DETAILS +

| ID | Name | Contact | Actions |
|--------------|-------------------|------------|---------------------------|
| CUST-2497245 | sharmi devandiran | 5433667888 | EDIT DELETE |
| CUST-9170544 | jaaveed 00 | 0981234423 | EDIT DELETE |
| CUST-150743 | ELAVARASAN | 9001234567 | EDIT DELETE |
| CUST-2276042 | mukesh kutty | 9626616520 | EDIT DELETE |
| CUST-6426541 | Dhivagar Botl | 770864333 | EDIT DELETE |
| CUST-9997540 | paid Customer | 7777777700 | EDIT DELETE |
| CUST-4031139 | Jamie Rhoades | 1003000010 | EDIT DELETE |
| CUST-9674738 | Alan Moore | 7900000000 | EDIT DELETE |
| CUST-5985037 | Bobb Horn | 1111111110 | EDIT DELETE |
| CUST-2017956 | George Watts | 7011111111 | EDIT DELETE |
| CUST-8996235 | Willian Hobbs | 4012222222 | EDIT DELETE |
| CUST-2114034 | Dfirst Dlast | 7002001200 | EDIT DELETE |

Welcome, Liam Moore

Booking Status

ADD BOOKINGS +

| PNR | Name | Contact | Bus | Route | Seat | Amount | Departure | Booked | Actions |
|---------|---------------|------------|---------|------------------------|------|--------|-----------------------|---------------------|---------------------------|
| Y349572 | jaaveed 00 | 0981234423 | XYZ7890 | ANTALAND → ZREGOW | 9 | \$85 | 2021-10-19 , 11:40:00 | 2022-11-17 05:06:04 | EDIT DELETE |
| 7FD1671 | ELAVARASAN | 9001234567 | XYZ7890 | ANTALAND → ZREGOW | 17 | \$85 | 2021-10-19 , 11:40:00 | 2022-11-17 04:34:20 | EDIT DELETE |
| LBWSR69 | mukesh kutty | 9626616520 | TTH0888 | ARKBY → VEIM | 19 | \$0 | 2021-10-19 , 12:04:00 | 2022-11-15 06:44:08 | EDIT DELETE |
| JBCUY68 | Dhivagar Botl | 770864333 | CAS3300 | FLORIA → ARKBY | 7 | \$118 | 2021-10-19 , 10:30:00 | 2022-11-15 05:58:06 | EDIT DELETE |
| QLOE167 | paid Customer | 7777777700 | MMM9969 | ZEKA → ZREGOW | 12 | \$70 | 2021-10-19 , 23:13:00 | 2021-10-18 09:41:01 | EDIT DELETE |
| HIAN66 | paid Customer | 7777777700 | CAS3300 | FLORIA → ARKBY | 16 | \$118 | 2021-10-19 , 10:30:00 | 2021-10-18 09:40:16 | EDIT DELETE |
| JKZVT65 | Jamie Rhoades | 1003000010 | MMM9969 | ZEKA → ZREGOW | 18 | \$70 | 2021-10-19 , 23:13:00 | 2021-10-18 09:35:36 | EDIT DELETE |
| X34RW64 | Alan Moore | 7900000000 | MMM9969 | ZEKA → ZREGOW | 6 | \$70 | 2021-10-19 , 23:13:00 | 2021-10-18 09:32:21 | EDIT DELETE |
| QDNGC65 | Willian Hobbs | 4012222222 | MMM9969 | ZEKA → ZREGOW | 15 | \$70 | 2021-10-19 , 23:13:00 | 2021-10-18 09:31:30 | EDIT DELETE |
| A8L5662 | Bobb Horn | 1111111110 | MMU1000 | CITY1 → CITY2 | 2 | \$70 | 2021-10-19 , 23:13:00 | 2021-10-18 00:08:51 | EDIT DELETE |
| QKOMT61 | George Watts | 7011111111 | RCH4255 | EDROISCHESTER → BRUGOW | 15 | \$110 | 2021-10-18 , 10:00:00 | 2021-10-17 22:36:10 | EDIT DELETE |
| TBZL360 | Dfirst Dlast | 7002001200 | MVL1000 | CITY1 → CITY2 | 3 | \$100 | 2021-10-17 , 22:05:00 | 2021-10-16 22:15:13 | EDIT DELETE |

Screenshot of a web-based seat management system for a bus service. The interface shows a grid of 38 seats arranged in four rows of ten. The first three seats in the first row are highlighted in red, while the rest are grey. A search bar at the top allows users to look up specific seat numbers.

Welcome, Liam Moore

Seat Status

Bus Number Search

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | |

MVL1000

SBTBS

@admin System Administrator

Dashboard Buses Routes Customers Bookings Seats Add New Admin

Type here to search

29°C ENG 03:26 PM IN 17-Nov-22

Web Link: <http://35.79.222.170/dashboard/index.php>

35.79.222.170