Agriport

MINI PROJECT REPORT

18CSC311J – WEB DESIGN AND DEVELOPMENT LABORATORY

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BONAFIDE

Certified that this Mini project report titled "Agriport" for the course **18CSC311J – WEB DESIGN AND DEVELOPMENT LABORATORY** is the bonafide work of **Vaibhavi Tandon RA2011028010087** who undertook the task of completing the project within the allotted time.

28/4/23

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Abstract

Farmers often face challenges in transporting their agricultural products, feed, and supplies due to limited access to transportation options, complex regulations, and other logistical hurdles. Farmer transport websites aim to address these challenges by providing farmers with customized transportation solutions that are affordable, reliable, and efficient. However, there may be drawbacks to existing farmer transport websites, such as limited service areas, pricing, capacity constraints, inefficient tracking and monitoring, lack of customization, and poor customer service. In this context, this article discusses the objectives and potential drawbacks of farmer transport websites, as well as provides examples of transportation websites that farmers can use to meet their agricultural transportation needs. The article also highlights the need for effective and accessible farmer transport websites that can offer reliable and efficient transportation services that meet farmers' specific needs.

Table of Contents

Note: All chapter contents font must be times new roman , size is 12

CHAPTER 1

INTRODUCTION

Agriculture plays a crucial role in the global economy, and transportation is an essential part of the agricultural supply chain. Farmers need to transport their products, feed, and supplies from one place to another, often over long distances, to reach markets or processing facilities. However, transportation can be a significant challenge for farmers, especially those in remote or rural areas. To address this challenge, various web applications have been developed to provide transportation services tailored to farmers' specific needs. These applications aim to improve farmers' access to transportation services, reduce transportation costs, and increase efficiency and productivity in the agricultural supply chain. In this article, we will discuss the objectives and potential drawbacks of farmer transport web applications, as well as provide examples of existing web applications that farmers can use to meet their agricultural transportation needs. We will also explore the importance of effective and accessible farmer transport web applications and their potential impact on the agricultural sector.

1.1 Existing Web Applications:

- Rivigo
- BlackBuck
- Delhivary
- AgriDigital
- HarvestPort

1.2 Drawbacks of existing application

There could be several drawbacks in existing farmer transportation websites, including:

- Limited Service Areas: Some transportation websites may only serve specific regions or states, which could limit the availability of their services to farmers in other areas.
- Pricing: The cost of transportation services provided by these websites can vary, and farmers may find that the prices offered are not competitive or affordable.

- Capacity Constraints: Some transportation websites may have capacity constraints, meaning that they may not be able to accommodate large or frequent shipments from farmers.

- Inefficient Tracking and Monitoring: Some transportation websites may not have efficient tracking and monitoring systems in place, which could result in longer transit times and potential delivery issues. Lack of Customization: Some transportation websites may not offer customization options for farmers, such as the ability to choose specific carriers or routes for their shipments.

- Poor Customer Service: Some transportation websites may not have a strong customer service team in place, which could result in poor communication and resolution of issues during transportation.

  These are some of the potential drawbacks of existing farmer transportation websites, and it is important for farmers to consider these factors when choosing a transportation provider.

1.3 Project Objectives

Objectives of Agriport are:

- Connecting farmers with transportation services: This website can provide a platform for farmers to connect with transportation companies and individuals who can help them transport their crops and produce to market.

- Improving efficiency: The website can streamline the transportation process by allowing farmers to easily schedule pickups and deliveries, track shipments, and communicate with carriers.

- Increasing transparency: By providing real-time tracking and updates, the website can increase transparency in the transportation process and give farmers greater visibility into the status of their shipments.

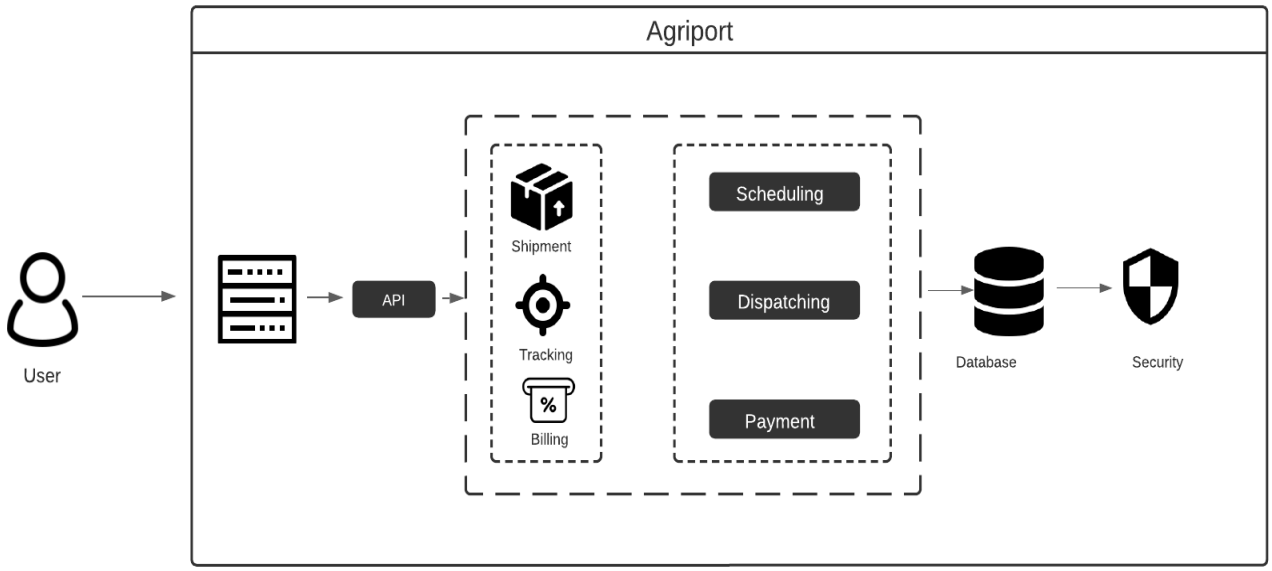
- Reducing costs: By connecting farmers with transportation services directly, the website can help reduce the costs associated with intermediaries and improve the overall affordability of transportation for farmers.

- Building community: The website can serve as a resource for farmers and provide a space for them to connect with each other and share information about transportation best practices, market conditions, and other topics of interest.

Overall, the objectives of Agriport is to help farmers more easily and efficiently transport their crops and produce to market, while also improving the transparency and affordability of the transportation process

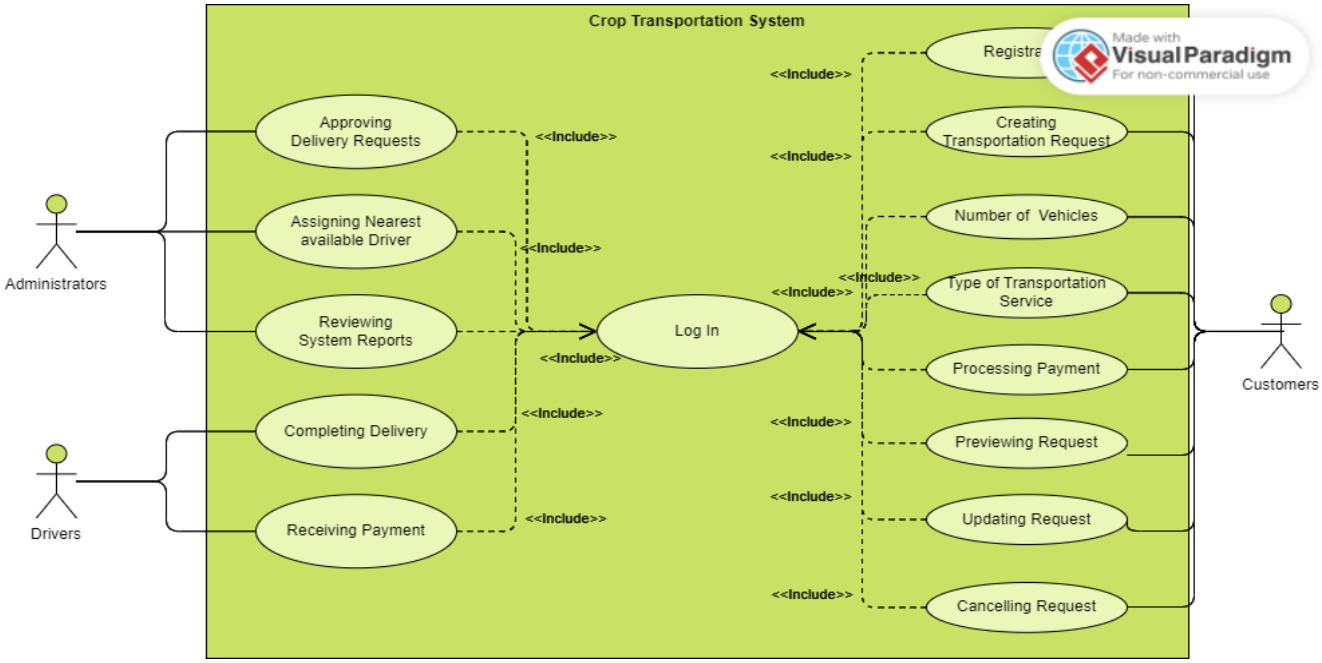
CHAPTER 2

SYSTEM ARCHITECTURE

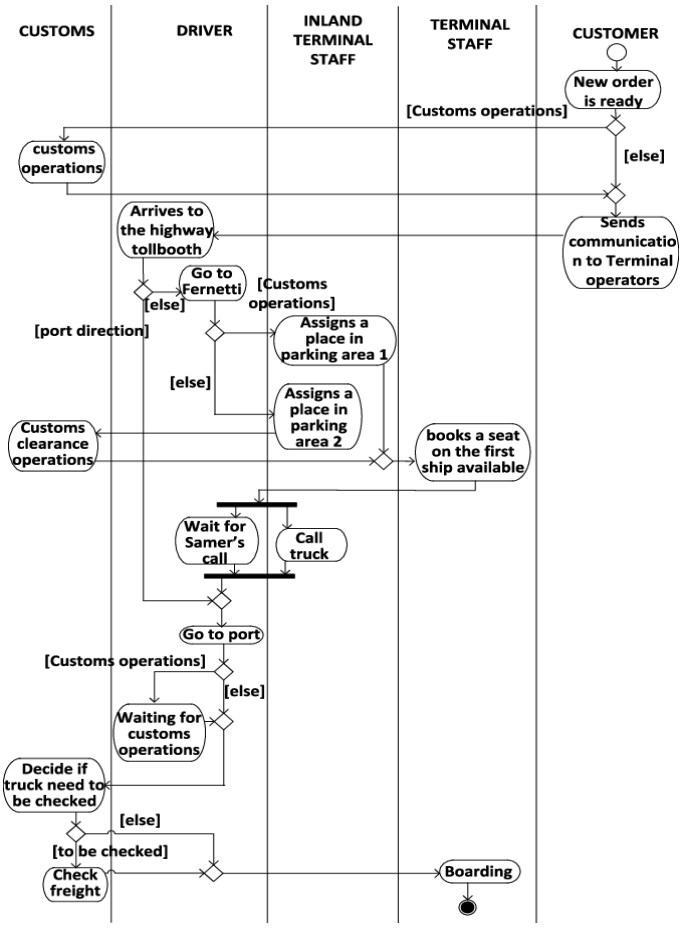


2.1 System Architecture

This diagram shows the different components of a farmers transportation website and how they interact with each other. The user interface component interacts with the application server, which processes requests and interacts with the microservices. The API gateway acts as an intermediary between the user interface and the microservices, while the database stores all necessary data. External services are integrated through APIs, and security components ensure the protection of data. Overall, this system architecture enables a seamless and efficient user experience for farmers and transport providers



2.2 Use Case Diagram



2.3 Activity Diagram

CHAPTER 3

WEB SITE FRONT END IMPLEMENTATION

3.1 Tools used

- **Microsoft Visual Studio Code** IDE Visual Studio is an integrated development environment from Microsoft. It is used to develop computer programs including websites, web apps, web services and mobile apps

- **HTML The HyperText Markup Language** or HTML is the standard markup language for documents designed to be displayed in a web browser.

- **CSS Cascading Style Sheets (CSS)** is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

- **Javascript** JavaScript, often abbreviated as JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. As of 2022, 98% of websites use JavaScript on the client side for webpage behavior, often incorporating thirdparty libraries.

- **Bootstrap 5** Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

- **Font-awesome** Font Awesome is a font and icon toolkit based on CSS and Less. As of 2020, Font Awesome was used by 38% of sites that use third-party font scripts, placing Font Awesome in second place after Google Fonts.

3.2 Web Page Design

The components are reusable and and easy to maintain. Some of the components used are-

• **Header and Navigation bar**: The website has been designed so that the user can access any of the webpages from a single click. For the navigation bar we implemented Bootstrap's navbar template. We incorporated UI Design when developing this feature as the nav bar, setting it to static (so it stays at the top of the page as the user scrolls) ensuring that the navigation links are always easily accessible this insures ease of navigation for the user as well as efficiency of use which ultimately contributes to a positive user experience.

Code for Header and Nav bar:

```
div class="collapse navbar-collapse" id="myNavbar">
 <ul class="nav navbar-nav gabali">
   <li><a href="index.php">Home</a></li>
   <li><a href="buslist.php">Vehicle</a></li>
   <li><a href="driverlist.php">Driver</a></li>
   <li><a href="route.php">Bus Route</a></li>
   <li><a href="schedule.php">Bus Schedule</a></li>
 </ul>
 <ul class="nav navbar-nav navbar-right">
   <li><a href="signup.php"><span class="glyphicon glyphicon-user"></span> Sign Up</a></li>
   <li><a href="login.php"><span class="glyphicon glyphicon-log-in"></span> Login</a></li>
 </ul>
/div>
```

Code For Home Page:

```
<div class="parallax foo">
   <?php include 'navbar.php';?>

    <div class="hero-text" style="font-size:50px text-align: center; position: absolute;top: 50%;left: 50%;transform: translate(-50%, -50%);color: white;">

        <h1 class="animated rubberBand" >Agriport- A way to make Farmers life easier</h1>
        <p>A system to drop your goods to the desired place</p>

        <?php if(isset($_SESSION['username'])==true) { ?>
        <a class="btn btn-success" style="text-align: center" href="booking.php">Book a Vehicle</a>

        <?php } else{  ?>
        <a class="btn btn-success" style="text-align: center" href="login.php">Login To Book A Vehicle</a>
        <?php } ?>

      </div>
</div>

<div>
   <br><br>
    <div id="bus_route" class="container">
     <div class="page-header">
       <h1 style="text-align: center">Welcome to our services!</h1>
     </div>
     <div class="row">
        <div class="col-md-6 foo">
          <p><b>The ruet truck goes around the rajshahi city in different interval. this is the route of the ruet trucks.</b></p>
          <img src="https://web-assets.bcg.com/3d/22/67198e294336beb251864ff8c2d9/net-zero-trucks-rectangle-opt.jpg" class="img-responsive" >
        </div>
        <div class="col-md-6">
            <br>
            <iframe src="https://www.google.com/maps/embed?pb=!1m28!1m12!1m3!1d932412.1267521078!2d88.96397240423!3d24.093234513307983!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!4m13!3e0!4m5!1s0x39fbef
            <p>The trucks</p>
        </div>
     </div>
    </div>

    <br>
    <div class="page-header">
        <h1 style="text-align: center">Driver</h1>
    </div>
    <div class="parallax1"></div>
    <div id="driver" class="container">

     <div class="row">
        <div class="col-md-12">
            <p style="font-size: 20px;">The driver of ruet are very punctual and they provides great service. Every one of them is professional and great at their jobs</p>
```

```
            <div class="col-md-12">
                <p style="font-size: 20px;">The driver of ruet are very punctual and they provides great service. Every one of them is professional and great at their jobs</p>

            </div>
      </div>

    </div>


    <div id="bus" class="container">
      <div class="page-header">
        <h1 style="text-align: center">Trucks </h1>
      </div>
      <div class="row">
        <div class="col-md-6">

          <img src="https://s.abcnews.com/images/Business/ev-cars-rivian-r1s-truck-ht-mz-15-230411_1681226740702_hpMain_16x9_608.jpg" class="img-responsive" >
        </div>
        <div class="col-md-6 foo1">
            <p style="font-size:20px;"><b>In Ruet we have around ten trucks and each one of it is well maintained. These trucks goes in different direction of the city and can also be hired.</b></p>
        </div>

      </div>
    </div>



     <p></p>

    </div>

    <footer style="background-color: #2f2f2f;
      color: #fff; padding-top: 70px;
      padding-bottom: 70px;" class="container-fluid text-center">
          <p>Vaibhavi Tandon</p>
    </footer>



<script>
  $(function () {
$(document).scroll(function () {
  var $nav = $(".navbar-fixed-top");
  $a= $(".parallax");
  $nav.toggleClass('scrolled', $(this).scrollTop() > $a.height());
});
```

Login Page:

```
<br>
<div class="container">
 <div class="row">
   <div class="col-md-3"></div>
    <div class="col-md-6">
      <?php echo $msg; ?>
        <div class="page-header">
            <h1 style="text-align: center;">Login</h1>
       </div>
        <form class="form-horizontal animated bounce" action="" method="post">
            <div class="input-group">
              <span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>
              <input id="username" type="text" class="form-control" name="username" placeholder="Username">
            </div>
            <br>

            <div class="input-group">
              <span class="input-group-addon"><i class="glyphicon glyphicon-lock"></i></span>
              <input id="password" type="password" class="form-control" name="password" placeholder="Password">
            </div>
            <br>

            <div class="input-group">
              <button type="submit" name="submit" class="btn btn-success">Log in</button>

            </div>

          </form>
          <br>
          <div class="input-group">
            <a href="login_admin.php">Admin Login</a>
          </div>

    </div>
    <div class="col-md-3"></div>

 </div>


</div>



body>
tml>
```

Admin Login Page:

```
<br>
<div class="container">
 <div class="row">
   <div class="col-md-3"></div>
    <div class="col-md-6">
      <?php echo $msg; ?>
        <div class="page-header">
            <h1 style="text-align: center;">Admin Login</h1>
      </div>
        <form class="form-horizontal animated bounce" action="" method="post">
            <div class="input-group">
              <span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>
              <input id="username" type="text" class="form-control" name="username" placeholder="Username">
            </div>
            <br>

            <div class="input-group">
              <span class="input-group-addon"><i class="glyphicon glyphicon-lock"></i></span>
              <input id="password" type="password" class="form-control" name="password" placeholder="Password">
            </div>
            <br>

            <div class="input-group">
              <button type="submit" name="submit" class="btn btn-success">Log in</button>

            </div>

        </form>
    </div>
    <div class="col-md-3"></div>

  </div>
```

Driver Page:

```
<div class="container">
    <div class="row">
        <div class="col-md-3"></div>
        <div class="col-md-6">
            <div class="page-header">
              <h1 class="animated tada" style="text-align: center;">Drive List</h1>
            </div>
            <table class="table foo">
              <thead>
                  <th>Profile Picture</th>
                  <th>Driver Name</th>
              </thead>

              <?php while($row=mysqli_fetch_assoc($res)) {  ?>
              <tbody>
                  <tr>
                      <td><img height="100px" width="100px" src="picture/<?php echo $row["drphoto"]; ?>" alt="dp"></td>

                      <td><a href="driverprofile.php?driverid=<?php echo $row["driverid"]; ?>"> <?php echo $row["drname"] ?></a></td>
                  </tr>
              </tbody>
          <?php } }?>
          </table>
        </div>
        <div class="col-md-3"></div>
    </div>

  </div>

</div>
 </div>

ipt src="https://unpkg.com/scrollreveal/dist/scrollreveal.min.js"></script>
```

Vehicle Page:

```
<div id="myDiv">

<?php include 'navbar.php'; ?>
<br><br><br>
<div class="container">
  <?php
    if(mysqli_num_rows($res)>0){ ?>

  <div class="container">
    <div class="row">
        <div class="col-md-3"></div>
        <div class="col-md-6 foo">
            <div class="page-header">
              <h1 class="animated bounceIn" style="text-align: center;">Vehicle List</h1>
            </div>
            <table class="table">
              <thead>
                  <th>Bus Picture</th>
                  <th>Bus Registration No</th>
              </thead>

              <?php while($row=mysqli_fetch_assoc($res)) {  ?>
              <tbody>
                  <tr>
                      <td><img height="100px" width="100px" src="vehicle picture/<?php echo $row["veh_photo"]; ?>" alt="dp"></td>

                      <td><a href="busprofile.php?busid=<?php echo $row["veh_id"]; ?>"> <?php echo $row["veh_reg"] ?></a></td>
                  </tr>
              </tbody>
            <?php } }?>
            </table>
        </div>
        <div class="col-md-3"></div>
    </div>

  </div>

</div>
 </div>

<script src="https://unpkg.com/scrollreveal/dist/scrollreveal.min.js"></script>
```

Booking Page:

```
    <h1 style="text-align:center;">Booking</h1>
    <?php //echo $msg; ?>
</div>
<div class="col-md-3"></div>
<div class="col-md-6">
  <form class="animated bounce" action="bookingaction.php" method="post">

    <div class="input-group">
      <span class="input-group-addon"><b>Name</b></span>
      <input id="name" type="text" class="form-control" name="name" value="<?php echo $row['first_name']." ". $row['last_name']; ?>"  required>
    </div>

    <br>
    <div class="input-group">
      <span class="input-group-addon"><b>Department</b></span>
      <input id="department" type="text" class="form-control" name="department" placeholder="department" required>
    </div>
    <br>
    <div class="input-group">
      <span class="input-group-addon"><b>Vehicle Type</b></span>  
      <label><input type="radio" name="type" value="car">Truck</label>  
      <label><input type="radio" name="type" value="bus">Mini Truck</label>
    </div>
    <br>
    <div class="input-group">
      <span class="input-group-addon"><b>Date of Requirement</b></span>
      <input id="req_date" type="text" class="form-control" name="req_date" placeholder="Day the truck is needed" required>
      <input type="text" name="req_time" id="req_time" class="form-control"/>

    </div>

    <script>
      $( function() {
        $( "#req_date" ).datepicker();
        $("#req_time").wickedpicker();

      } );
```

```
<div class="input-group">
  <span class="input-group-addon"><b>Date of Return</b></span>
  <input id="return_date" type="text" class="form-control" name="return_date" placeholder="Day the truck is returned" required>
  <input type="text" name="return_time" id="return_time" class="form-control"/>
</div>

<script>
  $( function() {
    $( "#return_date" ).datepicker();
    $( "#return_time" ).wickedpicker();
  } );
</script>
<br>

<div class="input-group">
  <span class="input-group-addon"><b>Destination</b></span>
  <input id="destination" type="text" class="form-control" name="destination" placeholder="truck Destination" required>
</div>
<br>

<div class="input-group">
  <span class="input-group-addon"><b>Pickup Point</b></span>
  <input id="pickup" type="text" class="form-control" name="pickup" placeholder="pickup">
</div>
<br>

<div class="input-group">
  <span class="input-group-addon"><b>Reason for booking</b></span>
  <input id="reason" type="text" class="form-control" name="reason" placeholder="Reason of booking the vehicle">
</div>
<br>

<div class="input-group">
  <span class="input-group-addon"><b>Email</b></span>
  <input id="email" type="email" class="form-control" name="email" value="<?php echo $row['email']; ?>" required>
</div>
<br>

<div class="input-group">
  <span class="input-group-addon"><b>Mobile</b></span>
  <input id="mobile" type="text" class="form-control" name="mobile" placeholder="Mobile No" required>
</div>
<br>
```

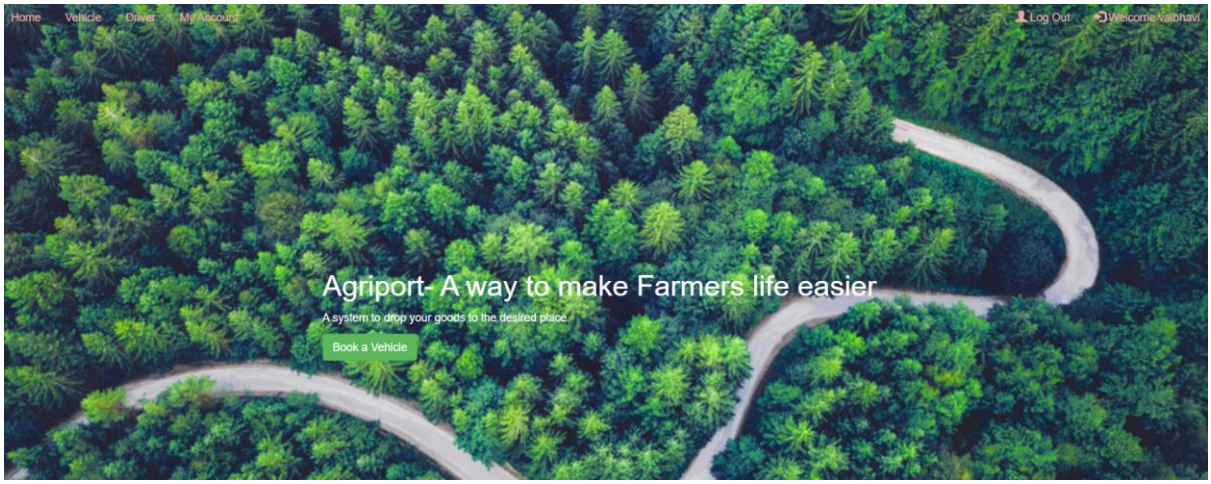
Sign Up:

```
<br>
<div class="container">
 <div class="row">
  <div class="col-md-3"></div>
   <div class="col-md-6">
     <?php echo $msg; ?>
      <div class="page-header">
          <h1 style="text-align: center;">Sign Up</h1>
     </div>
      <form class="form-horizontal animated bounce" action="" method="post">
          <div class="input-group">
            <span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>
            <input id="firstname" type="text" class="form-control" name="firstname" placeholder="First Name">
          </div>
          <br>
          <div class="input-group">
            <span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>
            <input id="lastname" type="text" class="form-control" name="lastname" placeholder="Lastname">
          </div>
          <br>
          <div class="input-group">
            <span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>
            <input id="email" type="email" class="form-control" name="email" placeholder="Email">
          </div>
          <br>
          <div class="input-group">
            <span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>
            <input id="username" type="text" class="form-control" name="username" placeholder="Username">
          </div>
          <br>
          <div class="input-group">
            <span class="input-group-addon"><i class="glyphicon glyphicon-lock"></i></span>
            <input id="password" type="password" class="form-control" name="password" placeholder="Password">
          </div>
          <br>

          <div class="input-group">
            <button type="submit" name="submit" class="btn btn-success">Sign Up</button>

          </div>

        </form>
   </div>
   <div class="col-md-3"></div>
```

Admin Navbar:

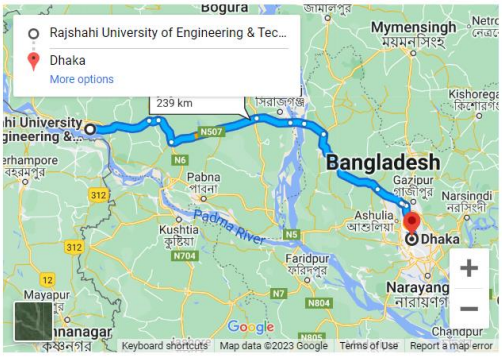
```
<div class="container">
    <nav class="navbar navbar-default navbar-fixed-top">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#mynavbar">
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
            </div>
            <div class="collapse navbar-collapse" id="mynavbar">
                <ul class="nav navbar-nav">
                    <li><a href="newdriver.php">Add New Driver</a></li>
                    <li><a href="newvehicle.php">Add New Vehicle</a></li>
                    <li><a href="indexbill.php">Billing</a></li>
                    <li><a href="bookinglist.php">Booking</a></li>
                    <li><a href="trip_details.php">Trip Details</a></li>
                </ul>
                <ul class="nav navbar-nav navbar-right">
                    <li><a href="logout.php">Logout</a></li>
                    <li><a href="index.php">Visit Site</a></li>
                </ul>
            </div>
        </div>
    </nav>
</div>
```

3.3 Screenshots



Welcome to our services!

The ruet truck goes around the cities to deliver your goods on time!



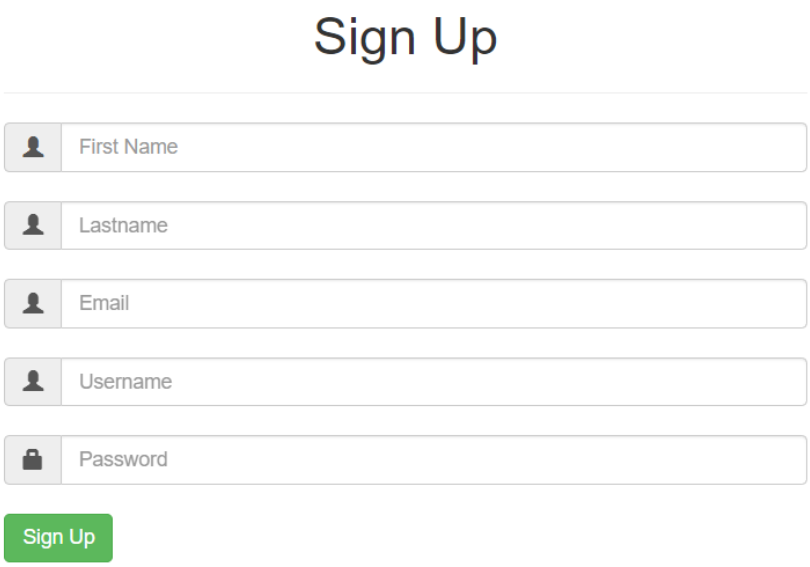
The trucks

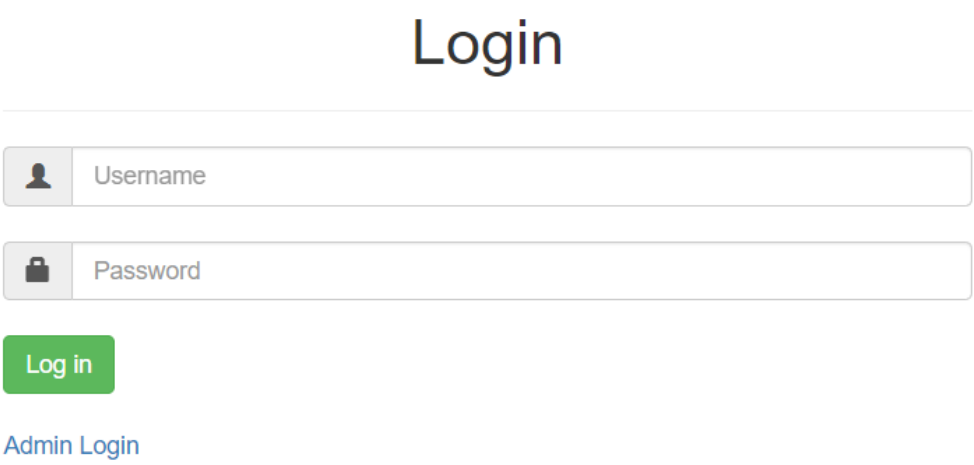
Driver

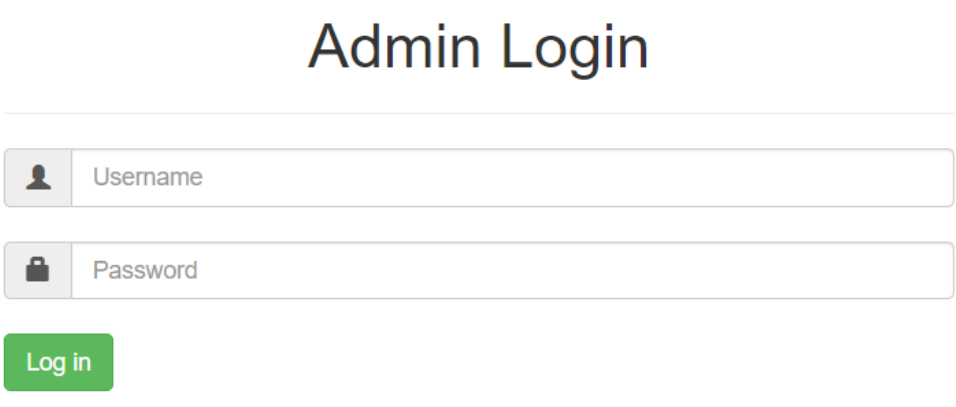
The driver of ruet are very punctual and they provides great service. Every one of them is professional and great at their jobs

Trucks

In Ruet we have around ten trucks and each one of it is well maintained. These trucks goes in different direction of the city and can also be hired.


Sign Up
First Name
Lastname
Email
Username
Password
Sign Up


Login
Username
Password
Log in
Admin Login


Admin Login
Username
Password
Log in

Booking

Name	vaibhavi tandon
Department	department
Vehicle Type	○ **Truck** ○ **Mini Truck**
Date of Requirement	Day the truck is needed 3 : 42 AM
Date of Return	Day the truck is returned 3 : 42 AM
Destination	truck Destination
Pickup Point	pickup
Reason for booking	Reason of booking the vehicle
Email	vaibhavitandon2002@gmail.com
Mobile	Mobile No

Submit

Vehicle List

Bus Picture	Bus Registration No
	846656

Drive List

Profile Picture	Driver Name
	fahim
	Arman

My Bill

Booking Id	Requested Date	Return Date	Destination	Vehicle Registration	Driver	Total Km	Oil Cost	Extra Cost	Total Cost	Paid

Add New Driver | Add New Vehicle | Billing | Booking | Trip Details

Admin Panel

New Vehicle Form

Registration Number: Reg No

Type: ○ Mini Truck ○ Truck

Chesis No: Chesis No

Brand: Brand

Color: Color

Registration Date: Registration date

Description:

Photo: Choose File No file chosen

Submit

CHAPTER 4

WEB SITE BACK-END IMPLEMENTATION

4.1 Tools used

• **PHP:** PHP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1993 and released in 1995. The PHP reference implementation is now produced by The PHP Group.

• **MySQL:** MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter My, and "SQL", the acronym for Structured Query Language.

4.2 Code for Back-end

Establishing Database Connection (dbconnection.php)

```
<?php
    $connection=mysqli_connect("localhost","root","","vehicle management");

    session_start();
?>
```

Login Page backend

```
<?php
    session_start();
    $connection=mysqli_connect("localhost","root","","vehicle management");

    $msg="";
    if(isset($_POST['submit'])){
        $username=mysqli_real_escape_string($connection,strtolower($_POST['use
rname']));

        $password=mysqli_real_escape_string($connection,$_POST['password']);

        $login_query="SELECT * FROM `user` WHERE username='$username' and
password='$password'";

        $login_res=mysqli_query($connection,$login_query);
        if(mysqli_num_rows($login_res)>0){
```

```
            $_SESSION['username']=$username;
            header('Location:index.php');
        }
        else{
             $msg= '<div class="alert alert-danger alert-dismissable"
style="margin-top:30px";>
                    <a href="#" class="close" data-dismiss="alert" aria-
label="close">×</a>
                    <strong>Unsuccessful!</strong> Login Unsuccessful.
                  </div>';
        }
    }

?>
```

Driver List Backend:

```
<?php
    $connection= mysqli_connect("localhost","root","","vehicle management");
    session_start();

    $driverid= $_GET['driverid'];

    $sql= "SELECT * FROM `driver` WHERE driverid='$driverid'";
    //echo $sql;
    $res= mysqli_query($connection,$sql);
    $row= mysqli_fetch_assoc($res);


?>
```

Booking Backend:

```
<?php
    $connection= mysqli_connect("localhost","root","","vehicle management");
    session_start();

    $id= $_GET['id'];

    $sql= "SELECT * FROM `booking` WHERE booking_id='$id'";
    //echo $sql;
    $res= mysqli_query($connection,$sql);
    $row= mysqli_fetch_assoc($res);

    $sql1= "SELECT * FROM `vehicle` WHERE veh_available='0'";
    //echo $sql;
    $res1= mysqli_query($connection,$sql1);
```

```
    $sql2= "SELECT * FROM `driver` WHERE dr_available='0'";
    //echo $sql;
    $res2= mysqli_query($connection,$sql2);

?>
```

Login Admin Backend:

```
<?php
    session_start();
    $connection=mysqli_connect("localhost","root","","vehicle management");

    $msg="";
    if(isset($_POST['submit'])){
        $username=mysqli_real_escape_string($connection,strtolower($_POST['use
rname']));

        $password=mysqli_real_escape_string($connection,$_POST['password']);

        $login_query="SELECT * FROM `admin` WHERE username='$username' and
password='$password'";

        $login_res=mysqli_query($connection,$login_query);
        if(mysqli_num_rows($login_res)>0){
            $_SESSION['username']=$username;
            header('Location:admin.php');
        }
        else{
             $msg= '<div class="alert alert-danger alert-dismissable"
style="margin-top:30px";>
                    <a href="#" class="close" data-dismiss="alert" aria-
label="close">×</a>
                    <strong>Unsuccessful!</strong> Login Unsuccessful.
                  </div>';
        }
    }

?>
```

Enter Vehicle Backend:

```
<?php
    $connection= mysqli_connect("localhost","root","","vehicle management");

    session_start();
```

```
    $sql= "SELECT * FROM `vehicle`";
    $res=mysqli_query($connection,$sql);
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>List of Drivers</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></scrip
t>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></sc
ript>
    <script
src="https://unpkg.com/sweetalert/dist/sweetalert.min.js"></script>
    <link rel="stylesheet" href="animate.css">
    <link rel="stylesheet" href="style.css">
```

Signup Backed:

```
<?php
    $connection=mysqli_connect("localhost","root","","vehicle management");

    session_start();
    $msg="";

    if(isset($_POST['submit'])){
        $firstname=
mysqli_real_escape_string($connection,strtolower($_POST['firstname']));
        $lastname=
mysqli_real_escape_string($connection,strtolower($_POST['lastname']));
        $email=
mysqli_real_escape_string($connection,strtolower($_POST['email']));
        $username=
mysqli_real_escape_string($connection,strtolower($_POST['username']));
        $password=
mysqli_real_escape_string($connection,strtolower($_POST['password']));


        $signup_query= "INSERT INTO `user`(`user_id`, `first_name`,
`last_name`, `email`, `username`, `password`) VALUES
('','$firstname','$lastname','$email','$username','$password')";

        $check_query= "SELECT * FROM `user` WHERE username='$username' or
email='$email'";
```

```
        $check_res=mysqli_query($connection,$check_query);

        if(mysqli_num_rows($check_res)>0){
             $msg= '<div class="alert alert-warning" style="margin-top:30px";>
                      <strong>Failed!</strong> Username or Email already
exists.
                      </div>';

        }

        else{
            $signup_res= mysqli_query($connection,$signup_query);
                 $msg= '<div class="alert alert-success" style="margin-
top:30px";>
                      <strong>Success!</strong> Registration Succefull.
                      </div>';

        }

    }

?>
```

CHAPTER 5

DATABASE DESIGN

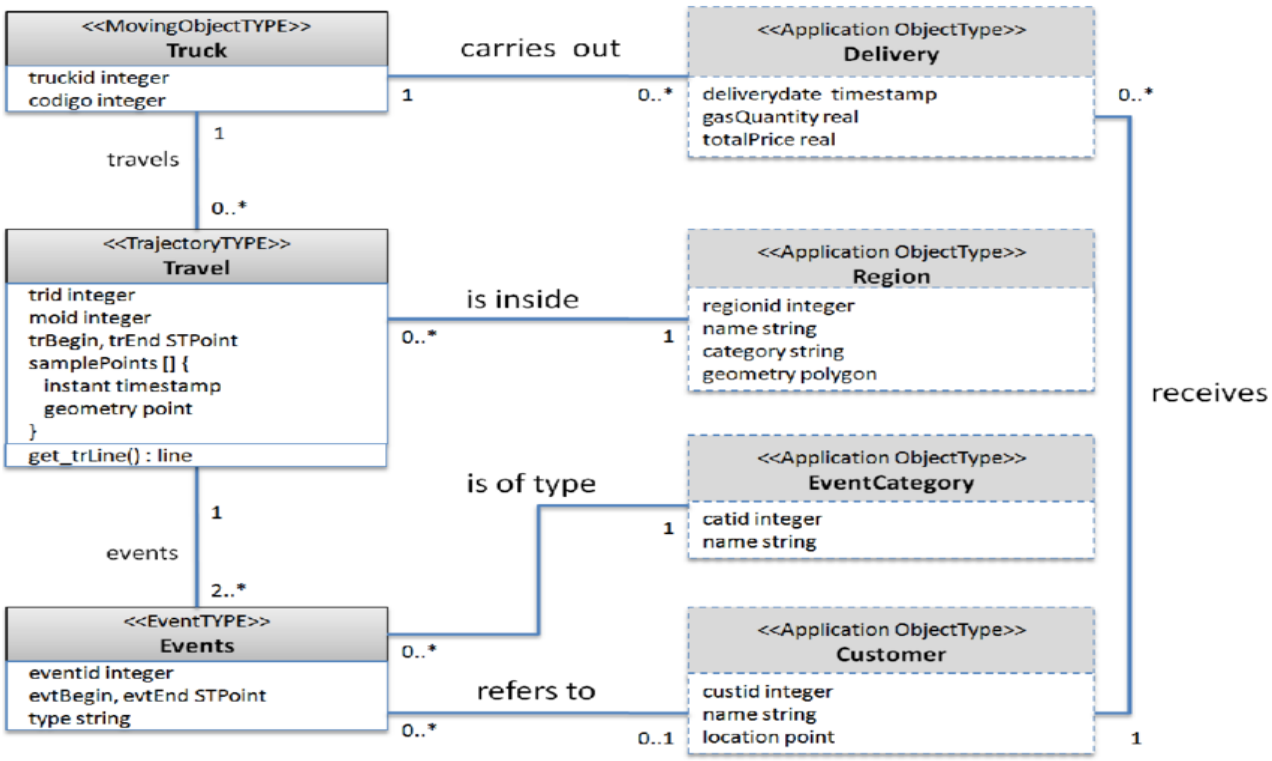
5.1 Database used

The database used in the project is MySQL.

MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter My, and "SQL", the acronym for Structured Query Language.

MySQL is currently the most popular database management system software used for managing the relational database. It is open-source database software, which is supported by Oracle Company. It is fast, scalable, and easy to use database management system in comparison with Microsoft SQL Server and Oracle Database. It is commonly used in conjunction with PHP scripts for creating powerful and dynamic server-side or web-based enterprise applications.

5.2 Database schema and Tables



List of Table-

tbladmin - for storing admin detail

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	admin_id	int(11)			No	None		AUTO_INCREMENT
2	username	varchar(100)	latin1_swedish_ci		No	None		
3	password	varchar(100)	latin1_swedish_ci		No	None		

tblusers - to store user details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	user_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	first_name	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	last_name	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
4	email	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
5	username	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
6	password	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
7	admin	int(11)			No	None			Change Drop More

tblbook - to store appoint booking details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	booking_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	name	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	username	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
4	department	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
5	type	varchar(8)	latin1_swedish_ci		No	None			Change Drop More
6	req_date	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
7	req_time	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
8	ret_date	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
9	ret_time	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
10	destination	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
11	pickup_point	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
12	resons	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
13	email	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
14	mobile	int(14)			No	None			Change Drop More
15	confirmation	int(11)			No	None			Change Drop More
16	veh_reg	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
17	driverid	int(11)			No	None			Change Drop More
18	finished	int(11)			No	None			Change Drop More
19	paid	int(11)			No	None			Change Drop More

tbvehicle- To store the details of the vehicle

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	veh_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	veh_reg	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
3	veh_type	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
4	chesisno	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
5	brand	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
6	veh_color	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
7	veh_regdate	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
8	veh_description	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
9	veh_photo	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
10	veh_available	int(11)			No	None			Change Drop More

tbdriver- To store driver details

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	driverid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	drname	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	drjoin	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
4	drmobile	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
5	drnid	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
6	drlicense	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
7	drlicensevalid	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
8	draddress	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
9	drphoto	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
10	dr_available	int(11)			No	None			Change Drop More

5.3 Database Connectivity

We have used PHP to connect with our mysql database Code for database connection

```php
<?php
    $connection=mysqli_connect("localhost","root","","vehicle management");

    session_start();
?>
```

CHAPTER 6

WEB HOSTING IN CLOUD

Steps for hosting the project in AWS EC2 server

1. Launch a PHP AWS EC2

2. Choosing the OS and hardware

3. Editing some basic configurations

4. Creating a key pair

5. Locking the key file

6. Connecting to Instance

7. Installing Apache

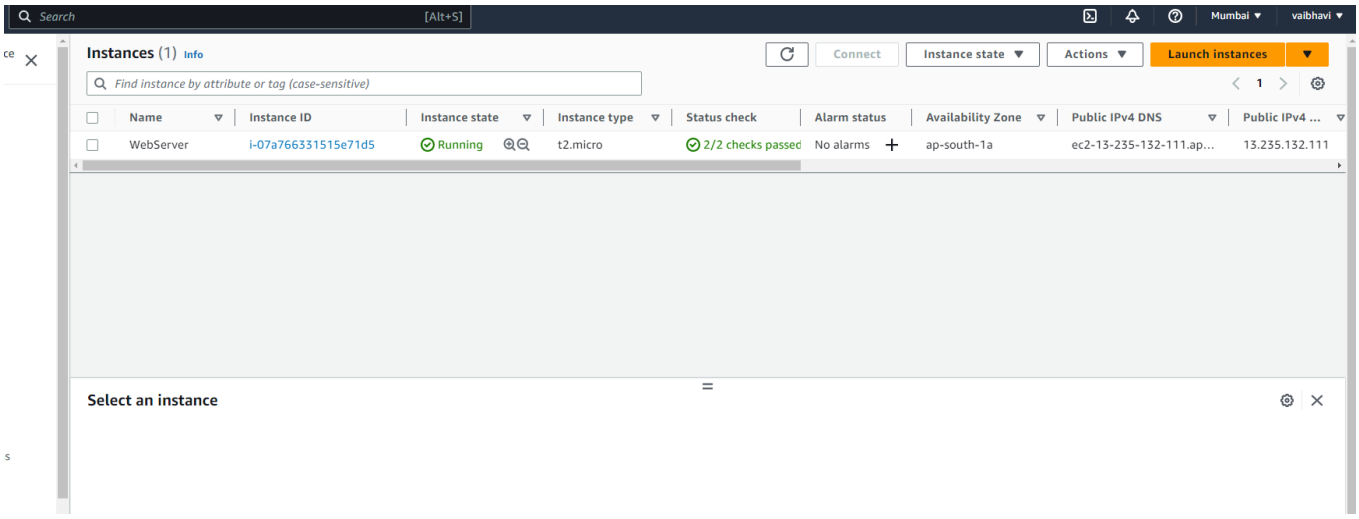
8. Installing MySql

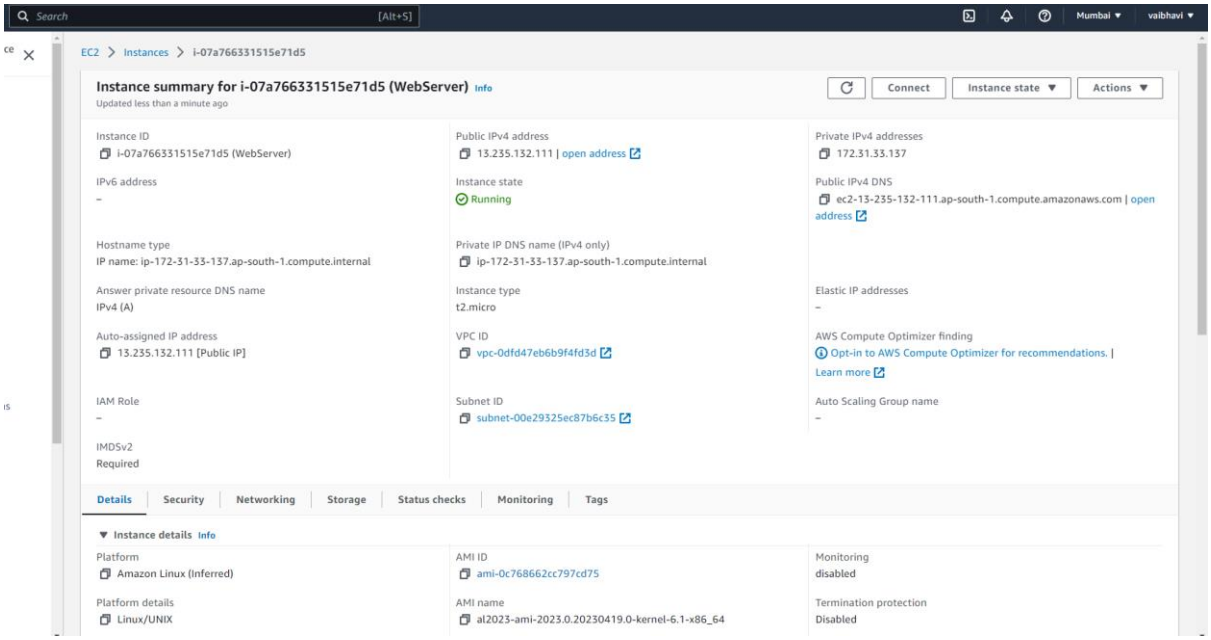
9. Installing PHP with common extensions

10. Installing phpMyAdmin

11. Allowing Mysql Root Login through phpMyAdmin

12. Connecting Instance with FTP client

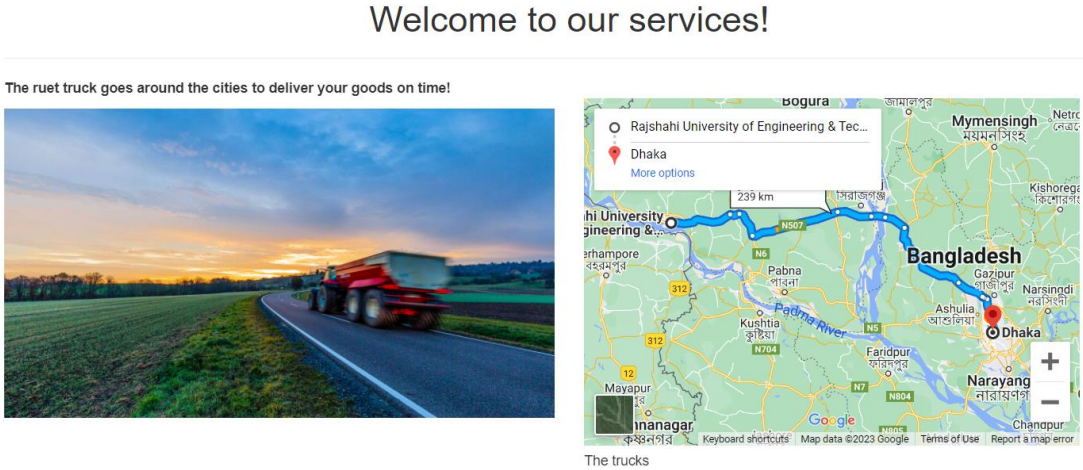



Search
[Alt+S]
Mumbai
vaibhavi
EC2 > Instances > i-07a766331515e71d5
Instance summary for i-07a766331515e71d5 (WebServer) Info
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-07a766331515e71d5 (WebServer)
Public IPv4 address
13.235.132.111 | open address
Private IPv4 addresses
172.31.33.137
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-13-235-132-111.ap-south-1.compute.amazonaws.com | open address
Hostname type
IP name: ip-172-31-33-137.ap-south-1.compute.internal
Private IP DNS name (IPv4 only)
ip-172-31-33-137.ap-south-1.compute.internal
Answer private resource DNS name
IPv4 (A)
Instance type
t2.micro
Elastic IP addresses
–
Auto-assigned IP address
13.235.132.111 [Public IP]
VPC ID
vpc-0dfd47eb6b9f4fd3d
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more
IAM Role
–
Subnet ID
subnet-00e29325ec87b6c35
Auto Scaling Group name
–
IMDSv2
Required
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance details Info
Platform
Amazon Linux (Inferred)
AMI ID
ami-0c768662cc797cd75
Monitoring
disabled
Platform details
Linux/UNIX
AMI name
al2023-ami-2023.0.20230419.0-kernel-6.1-x86_64
Termination protection
Disabled


Home
Vehicle
Driver
My Account
Log Out
Welcome vaibhavi
Agriport- A way to make Farmers life easier
A system to drop your goods to the desired place
Book a Vehicle

CHAPTER 7

SCREEN SHOTS



The trucks

The driver of ruet are very punctual and they provides great service. Every one of them is professional and great at their jobs

Trucks

In Ruet we have around ten trucks and each one of it is well maintained. These trucks goes in different direction of the city and can also be hired.

Vaibhavi Tandon

Sign Up

First Name

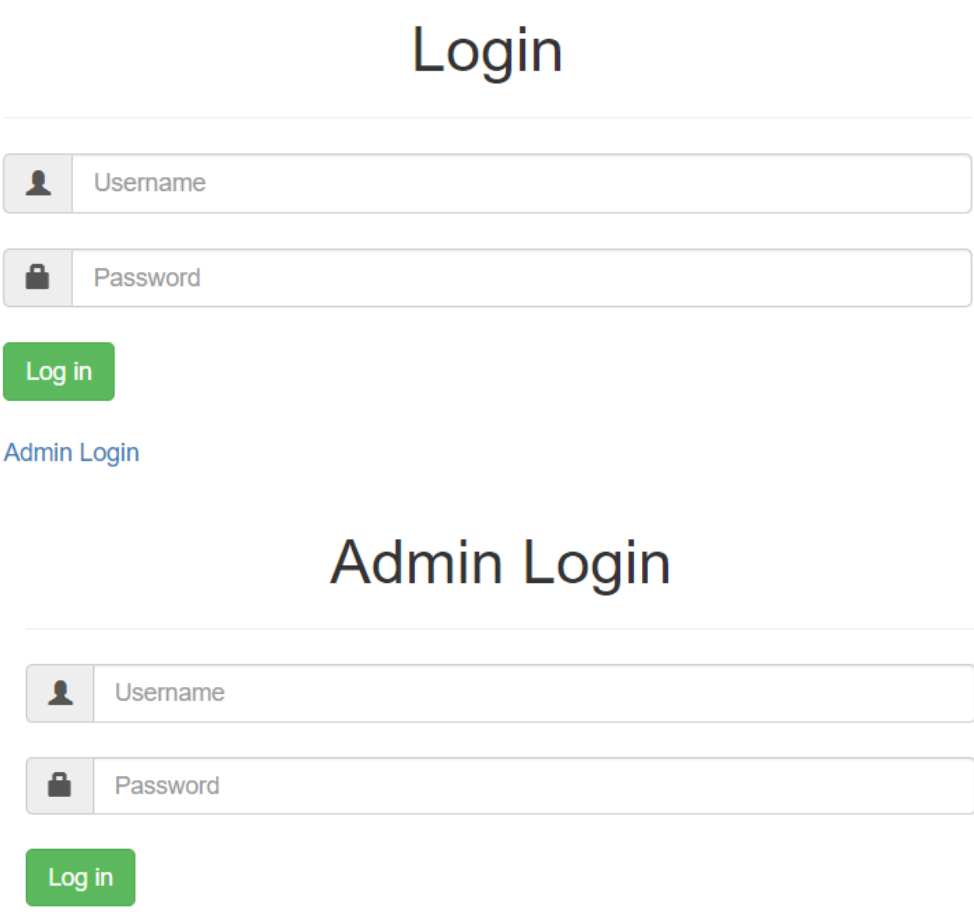
Lastname

Email

Username

Password

Sign Up


Login
Username
Password
Log in
Admin Login

Admin Login
Username
Password
Log in

Booking

Name	vaibhavi tandon
Department	department
Vehicle Type	○ **Truck** ○ **Mini Truck**
Date of Requirement	Day the truck is needed 3 : 42 AM
Date of Return	Day the truck is returned 3 : 42 AM
Destination	truck Destination
Pickup Point	pickup
Reason for booking	Reason of booking the vehicle
Email	vaibhavitandon2002@gmail.com
Mobile	Mobile No

Submit

Vehicle List

Bus Picture	Bus Registration No
	846656

Drive List

Profile Picture	Driver Name
	fahim
	Arman

My Bill

Booking Id	Requested Date	Return Date	Destination	Vehicle Registration	Driver	Total Km	Oil Cost	Extra Cost	Total Cost	Paid

Add New Driver Add New Vehicle Billing Booking Trip Details

Admin Panel

New Vehicle Form

Registration Number Reg No

Type ○ Mini Truck ○ Truck

Chesis No Chesis No

Brand Brand

Color Color

Registration Date Registration date

Description

Photo Choose File No file chosen

Submit

CHAPTER 8

CONCLUSION AND FUTURE WORK

Conclusion 8.1

Overview

In conclusion, Agriport website will play an important role in providing transportation services and information to the farmers. These website aims to improve access to transportation, navigate regulations, and offer customized solutions for transporting agricultural products, feed, and supplies. However, there may be drawbacks to existing websites, such as limited service areas, pricing, capacity constraints, inefficient tracking and monitoring, lack of customization, and poor customer service. It is important for farmers to carefully consider these factors when choosing a transportation provider. Nevertheless, the existence of farmer transport websites in India and around the world can help farmers move their goods efficiently and cost-effectively, contributing to the growth and sustainability of the agricultural industry.

8.2 Lessons Learnt

I was not familiar with the PHP language development environment. So, I had to learn PHP and JavaScript frameworks to fulfil this project.. I found some grate video tutorials and some example, and view them and follow examples to grab lessons. Mostly inexperience of project planning and scheduling identify and have grate advices from my supervisors to improve proper time management and planning.

8.2 Critical Assessment of the Project

This website aims to provide farmers with a customized transportation solution that is affordable, reliable, and efficient. The website's objectives include addressing the challenges that farmers face in transporting their agricultural products, feed, and supplies due to limited access to transportation options, complex regulations, and other logistical hurdles. The website appears to be well-designed and easy to navigate, with a user-friendly interface that allows farmers to book transportation services and track their shipments.

However, there are some potential drawbacks to the website, such as limited service areas, pricing, capacity constraints, inefficient tracking and monitoring, lack of customization, and

poor customer service. These issues could impact the website's effectiveness and limit its ability to meet the specific transportation needs of farmers.

To address these drawbacks, the website could consider expanding its service areas, offering more flexible pricing options, improving tracking and monitoring capabilities, providing more customization options, and enhancing customer service. Additionally, the website could partner with other transportation providers to expand its network and increase its capacity to meet farmers' transportation needs.

Overall, this website has the potential to be a valuable resource for farmers looking for transportation solutions. However, it needs to address the potential drawbacks and improve its services to meet farmers' specific needs effectively.

Future Work and Enhancements

Adding following future enhancement in the system are as follows.

• Integration of real-time tracking and monitoring

• Expansion of service areas and partnerships

• Customization and flexibility

References

1. Landstar: https://www.landstar.com/
2. C.H. Robinson: https://www.chrobinson.com/
3. J.B. Hunt: https://www.jbhunt.com/
4. Schneider: https://schneider.com/
5. Heartland Express: https://heartlandexpress.com/
6. Rivigo: https://www.rivigo.com/
7. BlackBuck: https://www.blackbuck.com/
8. Delhivery: https://www.delhivery.com/
9. Xpressbees: https://www.xpressbees.com/
10. Shadowfax: https://shadowfax.in/