Chapter 1

INTRODUCTION

This project is designed so as to be used by Vehicle Rental Company specializing in renting cars to customers. It is an online system through which customers can view available cars, register, view profile and book car.

At present many of the offices keep their data in a log or register book. This makes a lack of security and also much difficult to maintain. There are so many incidents in offices where the data is lost due to many reasons. Hence it is necessary to have an alternative way to keep the office data in a more secured way. Storing the data to a database is the best method to avoid all these problems. In this view this application is designed to store data and daily logs of a car rental company. By this it is to ensure complete security and mobility to the data where the employees and user can check and verify the data very easily from anywhere with a minimal hardware and less maintenance expenditure to the company.

Chapter 2

TECHNOLOGIES USED

2.1 FRONT END : HTML,CSS & JAVA SCRIPT

HTML is the first layer of any website and creates the code version of a wireframe on a webpage. These wireframes exist for the styles in CSS and all the bells and whistles in JavaScript. The letters in HTML stand for Hypertext Mark up Language. The mark up piece of the name is the most important to remember, as mark ups are the proper name forHTML elements, which are also called HTML tags. HTML as a whole is the mark up thatcreates the basic elements we view on a website. It doesn't make decisions or capture information on its own. It simply renders the scaffolding of the web pages. Cascading Style Sheets, or CSS, is what gives our HTML visual appeal and draws in the user. To putit simply, style sheets dictate the presentation of HTML elements on a page. CSS is what makes everything not look like a white background with a bunch of Times New Roman texts and blue hyperlinks JavaScript is a runtime language for web browsers. This means that when you open a web page, the page will load both the foundational JavaScript thatis standard with the page and any new JavaScript added to a page. The new JavaScript will load in parallel with it and can perform actions and make decisions. It's the true programming language of front-end engineering and the underlying language that ties everything together.

2.2 BACK END : PHP

PHP is an acronym for "PHP: Hypertext Pre processor " PHP is a widely used, open source scripting language. PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. PHP scripts are executed on the server. PHP is free to download and use. PHP files can contain text, HTML, CSS, JavaScript, and PHP code PHP code is executed on the server, and the result is returned to the browser as plain HTMLPHP files have extension ".php"

2.3 DATABASE : MYSQL

MySQL is a freely available open source Relational Database Management System (RDBMS) that uses Structured Query Language (SQL). SQL is the most popular language for adding, accessing and managing content in a database. It is most noted forits quick processing, proven reliability, ease and flexibility of use. MySQL supports multi-threading that makes it easily scalable. It can handle almost any amount of data, up to as much as 50 million rows or more.

2.4 SERVER : XAMP

XAMPP is an abbreviation where X stands for Cross-Platform, A stands for Apache, M stands for MYSQL, and the Ps stand for PHP and Perl, respectively. It is an open-source package of web solutions that includes Apache distribution for many servers and command-line executables along with modules such as Apache server, MariaDB, PHP, and Perl. XAMPP is one of the widely used cross-platform web servers, which helps developers to create and test their programs on a local webserver. It was developed by theApache Friends, and its native source code can be revised or modified by the audience. It consists of Apache HTTP Server, MariaDB, and interpreter for the different programminglanguages like PHP and Perl.

Chapter 3

DESIGN

ENTITY RELATIONSHIP DIAGRAM

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database.

An entity in this context is a component of data.

In other words, ER diagrams illustrate the logical structure of databases.

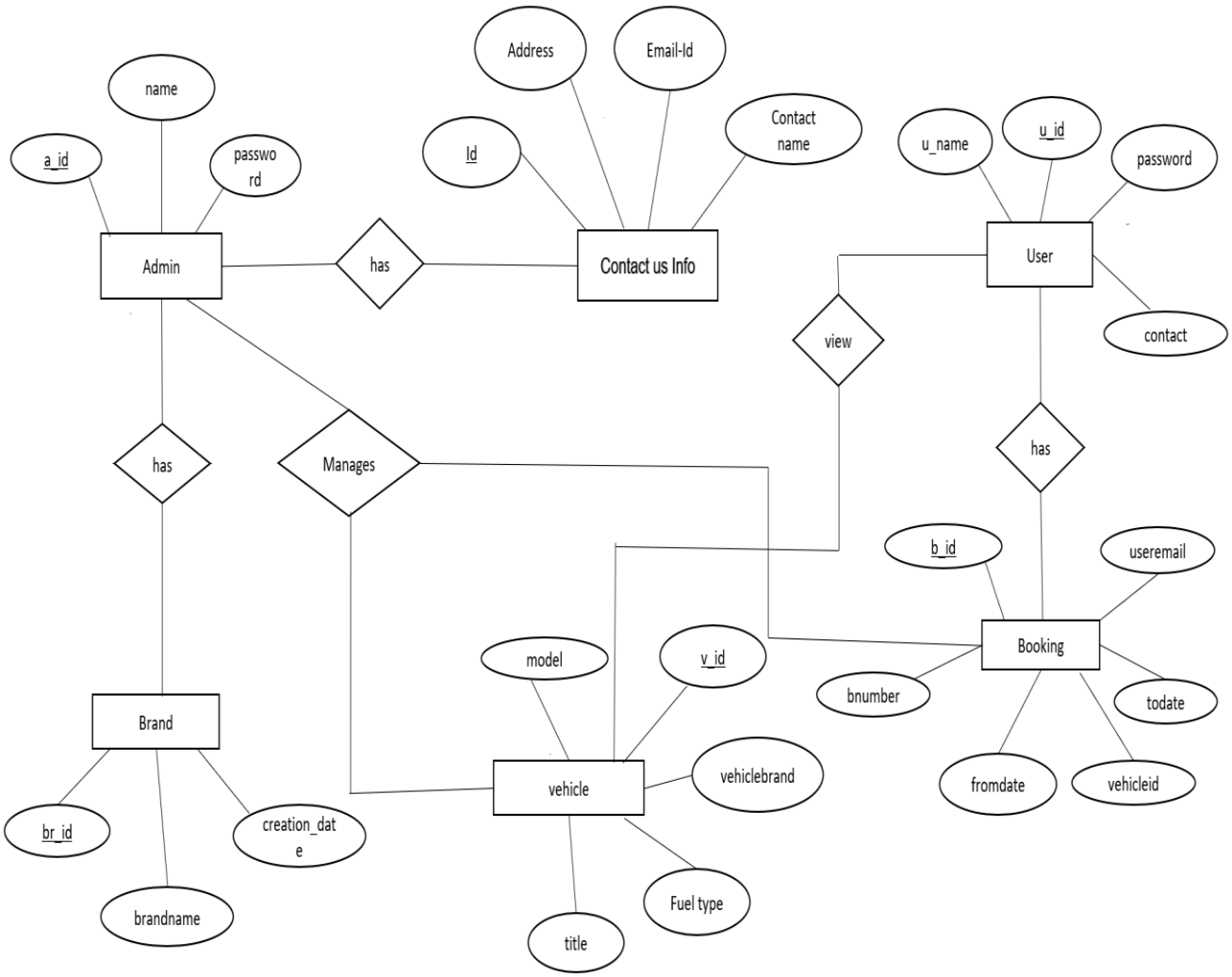

Fig.3.1

SCHEMA DIAGRAM

A database schema is the skeleton structure that represents the logical view of the entire database.

It defines how the data is organized and how the relations among them are associated.

It formulates all the constraints that are to be applied on the data. A database schema defines its entities and the relationship among them.

It contains a descriptive detail of the database, which can be depicted by means of schema.

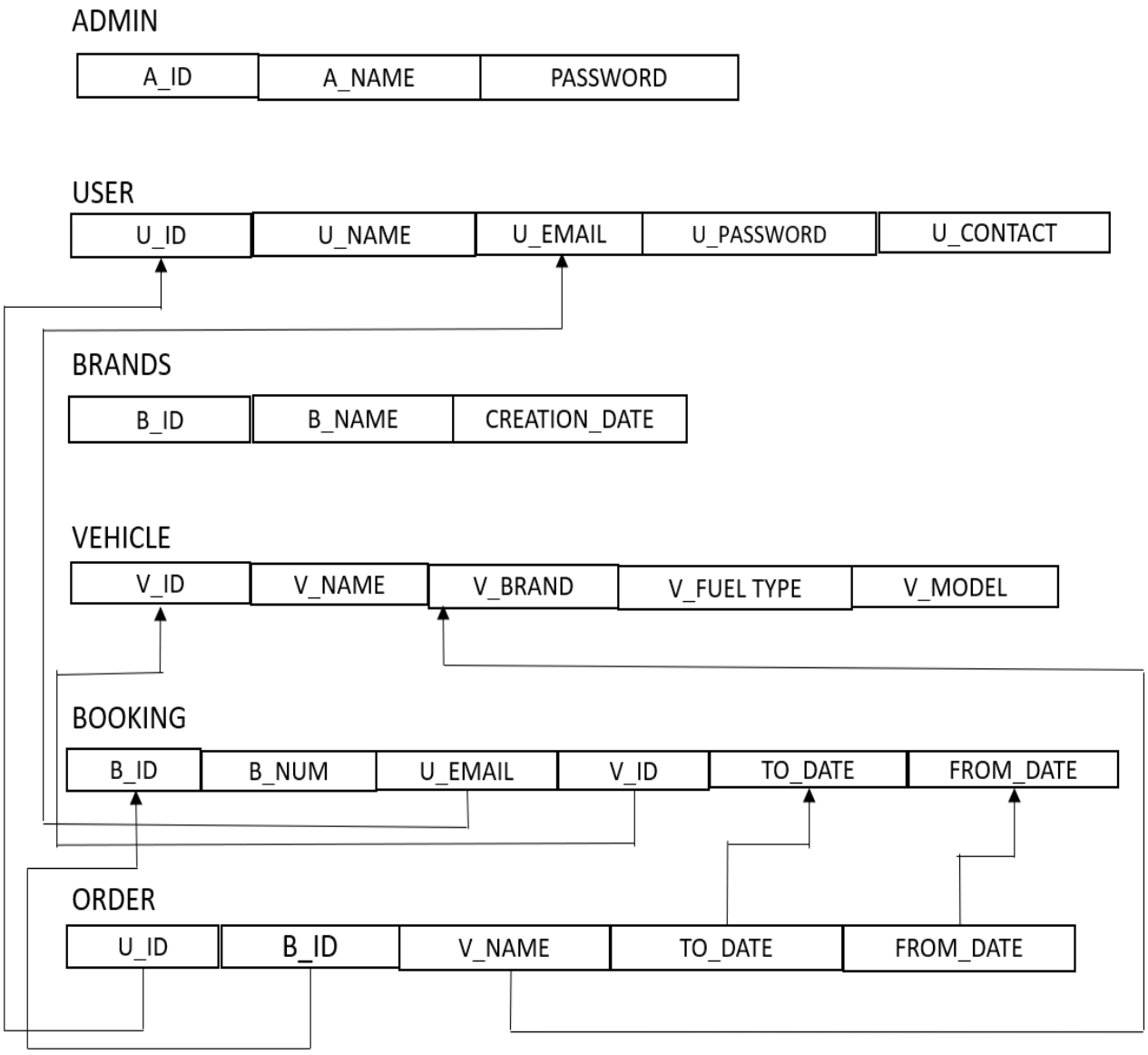

Fig.3.2

Chapter 4

IMPLEMENTATION

4.1 Backend Implementation

Create Statement

The CREATE TABLE statement is used to create a new table in a database.

Syntax:

```
CREATE TABLE tablename (
column1 datatype,
column2 datatype,
column3 datatype,
....
);
```

The column parameters specify the names of the columns of the table.

The data type parameter specifies the type of data the column can hold (e.g., varchar, integer, date, etc.).

ADMIN

```
CREATE TABLE ADMIN(
a_id int(11) NOT NULL,
a_userName varchar(100) NOT NULL,
password varchar(100) NOT NULL,
updationDate timestamp NOT NULL DEFAULT '0000-00-00 00:00:00' ON UPDATE
current_timestamp()
)
```

BOOKING

```
CREATE TABLE BOOKING (
b_id int(11) NOT NULL,
bnumber bigint(12) DEFAULT NULL,
useremail varchar(100) DEFAULT NULL,
```

```
 vehicleid int(11) DEFAULT NULL,
 fromdate varchar(20) DEFAULT NULL,
 todate varchar(20) DEFAULT NULL,
) ;
```

BRAND:

```
CREATE TABLE BRAND (
 brid int(11) NOT NULL,
 brandname varchar(120) NOT NULL,
 creationdate timestamp NULL DEFAULT current_timestamp(),
) ;
```

CONTACT US:

```
CREATE TABLE CONTACTUS(
 c _id int(11) NOT NULL,
 address text DEFAULT NULL,
 emailid varchar(255) DEFAULT NULL,
 contactno char(11) DEFAULT NULL
) ;
```

USER:

```
CREATE TABLE USER(
 u_id int(11) NOT NULL,
 u_name varchar(120) DEFAULT NULL,
 emailId varchar(100) DEFAULT NULL,
 password varchar(100) DEFAULT NULL,
 contactno char(11) DEFAULT NULL,
 address varchar(255) DEFAULT NULL,
);
```

VEHICLE:

```
CREATE TABLE VEHICLE (
  v_id int(11) NOT NULL,

  title varchar(150) DEFAULT NULL,

  vehiclebrand` int(11) DEFAULT NULL,

  priceperday int(11) DEFAULT NULL,

  fueltype varchar(100) DEFAULT NULL,

  modelyear` int(6) DEFAULT NULL,

  seatingcapacity` int(11) DEFAULT NULL,

  image1 varchar(120) DEFAULT NULL,
);
```

4.2 Frontend Implementation

4.2.1 AdminLogin.php

```
   <?php
session_start();
include('includes/config.php');
if(isset($_POST['login']))
{
$email=$_POST['username'];
$password=md5($_POST['password']);
$sql ="SELECT UserName,Password FROM admin WHERE UserName=:email and
Password=:password";
$query= $dbh -> prepare($sql);
$query-> bindParam(':email', $email, PDO::PARAM_STR);
$query-> bindParam(':password', $password, PDO::PARAM_STR);
$query-> execute();
$results=$query->fetchAll(PDO::FETCH_OBJ);
if($query->rowCount() > 0)
{
$_SESSION['alogin']=$_POST['username'];
echo "<script type='text/javascript'> document.location = 'dashboard.php'; </script>";
} else{

  echo "<script>alert('Invalid Details');</script>";

}
}



?>
<!doctype html>
```

```
<html lang="en" class="no-js">

<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, minimum-scale=1, maximum-scale=1">
<meta name="description" content="">
<meta name="author" content="">

<title>Vehicle Rental Portal | Admin Login</title>
<link rel="stylesheet" href="css/font-awesome.min.css">
<link rel="stylesheet" href="css/bootstrap.min.css">
<link rel="stylesheet" href="css/dataTables.bootstrap.min.css">
<link rel="stylesheet" href="css/bootstrap-social.css">
<link rel="stylesheet" href="css/bootstrap-select.css">
<link rel="stylesheet" href="css/fileinput.min.css">
<link rel="stylesheet" href="css/awesome-bootstrap-checkbox.css">
<link rel="stylesheet" href="css/style.css">
</head>

<body>

<div class="login-page bk-img" style="background-image: url(img/login-bg.jpg);">
<div class="form-content">
<div class="container">
<div class="row">
<div class="col-md-6 col-md-offset-3">
<h1 class="text-center text-bold mt-4x" style="color:#fff">Admin | Sign in</h1>
<div class="well row pt-2x pb-3x bk-light">
<div class="col-md-8 col-md-offset-2">
<form method="post">
```

```
<label for="" class="text-uppercase text-sm">Your Username </label>
<input type="text" placeholder="Username" name="username" class="form-control mb">

<label for="" class="text-uppercase text-sm">Password</label>
<input type="password" placeholder="Password" name="password" class="form-control mb">


<button class="btn btn-primary btn-block" name="login" type="submit">LOGIN</button>

</form>

<p style="margin-top: 4%" align="center"><a href="../index.php">Back to Home</a>     </p>
</div>
</div>
 </div>
 </div>
</div>
</div>
</div>

        <!-- Loading Scripts -->
        <script src="js/jquery.min.js"></script>
        <script src="js/bootstrap-select.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        <script src="js/jquery.dataTables.min.js"></script>
        <script src="js/dataTables.bootstrap.min.js"></script>
        <script src="js/Chart.min.js"></script>
        <script src="js/fileinput.js"></script>
        <script src="js/chartData.js"></script>
        <script src="js/main.js"></script>
```

```
</body>


</html>
```

.

4.2.2 AdminDashboard.php

After successful login admin is directed towards admin dashboard, where he can view the order status, menu, users who has logged in, And also he can update the menu items, categories of restaurant, order details.

```
<?php
session_start();
error_reporting(0);
include('includes/config.php');
if(strlen($_SESSION['alogin'])==0)
        {
header('location:index.php');
}
else{
        ?>
<!doctype html>
<html lang="en" class="no-js">

<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, minimum-scale=1, maximum-
scale=1">
        <meta name="description" content="">
        <meta name="author" content="">
        <meta name="theme-color" content="#3e454c">

        <title>Vehicle Rental Portal | Admin Dashboard</title>


        <link rel="stylesheet" href="css/font-awesome.min.css">

        <link rel="stylesheet" href="css/bootstrap.min.css">

        <link rel="stylesheet" href="css/dataTables.bootstrap.min.css">

        <link rel="stylesheet" href="css/bootstrap-social.css">

        <link rel="stylesheet" href="css/bootstrap-select.css">

        <link rel="stylesheet" href="css/fileinput.min.css">

        <link rel="stylesheet" href="css/awesome-bootstrap-checkbox.css">

        <link rel="stylesheet" href="css/style.css">
```

```
</head>

<body>
<?php include('includes/header.php');?>

          <div class="ts-main-content">
<?php include('includes/leftbar.php');?>
<div class="content-wrapper">
      <div class="container-fluid">
           <div class="row">
             <div class="col-md-12">
                 <h2 class="page-title">Dashboard</h2>
                     <div class="row">
                       <div class="col-md-12">
                          <div class="row">
                              <div class="col-md-3">
                               <div class="panel panel-default">
                             <div class="panel-body bk-primary text-light">
                                      <div class="stat-panel text-center">
<?php
$sql ="SELECT id from tblusers ";
$query = $dbh -> prepare($sql);
$query->execute();
$results=$query->fetchAll(PDO::FETCH_OBJ);
$regusers=$query->rowCount();
?>
<div class="stat-panel-number h1 "><?php echo htmlentities($regusers);?></div>
<div class="stat-panel-title text-uppercase">Reg Users</div>
            </div>
    </div>

<a href="reg-users.php" class="block-anchor panel-footer">Full Detail <i class="fa fa-arrow-right"></i></a>
</div>
</div>
<div class="col-md-3">
<div class="panel panel-default">
<div class="panel-body bk-success text-light">
<div class="stat-panel text-center">
<?php
$sql1 ="SELECT id from tblvehicles ";
$query1 = $dbh -> prepare($sql1);;
$query1->execute();
$results1=$query1->fetchAll(PDO::FETCH_OBJ);
$totalvehicle=$query1->rowCount();
?>
<div class="stat-panel-number h1 "><?php echo htmlentities($totalvehicle);?></div>
          <div class="stat-panel-title text-uppercase">Listed Vehicles</div>
        </div>
   </div>
<a href="manage-vehicles.php" class="block-anchor panel-footer text-center">Full Detail   <i class="fa fa-arrow-right"></i></a>
    </div>
</div>
<div class="col-md-3">
<div class="panel panel-default">
<div class="panel-body bk-info text-light">
```

```
<div class="stat-panel text-center">
<?php
$sql2 ="SELECT id from tblbooking ";
$query2= $dbh -> prepare($sql2);
$query2->execute();
$results2=$query2->fetchAll(PDO::FETCH_OBJ);
$bookings=$query2->rowCount();
?>

        <div class="stat-panel-number h1 "><?php echo htmlentities($bookings);?></div>
                <div class="stat-panel-title text-uppercase">Total Bookings</div>
        </div>
</div>
<a href="manage-bookings.php" class="block-anchor panel-footer text-center">Full Detail   <i
class="fa fa-arrow-right"></i></a>
        </div>
</div>
<div class="col-md-3">
<div class="panel panel-default">
<div class="panel-body bk-warning text-light">
<div class="stat-panel text-center">
<?php
$sql3 ="SELECT id from tblbrands ";
$query3= $dbh -> prepare($sql3);
$query3->execute();
$results3=$query3->fetchAll(PDO::FETCH_OBJ);
$brands=$query3->rowCount();
?>
                        <div class="stat-panel-number h1 "><?php echo htmlentities($brands);?></div>
                        <div class="stat-panel-title text-uppercase">Listed Brands</div>
                </div>
        </div>
<a href="manage-brands.php" class="block-anchor panel-footer text-center">Full Detail   <i class="fa
fa-arrow-right"></i></a>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
          </div>


.

        <!-- Loading Scripts -->
        <script src="js/jquery.min.js"></script>
        <script src="js/bootstrap-select.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        <script src="js/jquery.dataTables.min.js"></script>
        <script src="js/dataTables.bootstrap.min.js"></script>
        <script src="js/Chart.min.js"></script>
        <script src="js/fileinput.js"></script>
        <script src="js/chartData.js"></script>
        <script src="js/main.js"></script>
```

```
	<script>

	window.onload = function(){

		// Line chart from swirlData for dashReport
		var ctx = document.getElementById("dashReport").getContext("2d");
		window.myLine = new Chart(ctx).Line(swirlData, {
			responsive: true,
			scaleShowVerticalLines: false,
			scaleBeginAtZero : true,
			multiTooltipTemplate: "<%if (label){%><%=label%>: <%}%><%= value %>",
		});

		var doctx = document.getElementById("chart-area3").getContext("2d");
		window.myDoughnut = new Chart(doctx).Pie(doughnutData, {responsive : true});
		var doctx = document.getElementById("chart-area4").getContext("2d");
		window.myDoughnut = new Chart(doctx).Doughnut(doughnutData, {responsive : true});

	}
	</script>
</body>
</html>
<?php } ?>
```

4.2.3 UserLogin.php

Here the restaurant user can login by username and password if he already have an account. If he doesn't have an account he has to first register and then he can login.

```
<?php
if(isset($_POST['login']))
{
  $email=$_POST['email'];
      $password=md5($_POST['password']);
          $sql ="SELECT EmailId,Password,FullName FROM tblusers WHERE EmailId=:email and Password=:password";
          $query= $dbh -> prepare($sql);
          $query-> bindParam(':email', $email, PDO::PARAM_STR);
          $query-> bindParam(':password', $password, PDO::PARAM_STR);
          $query-> execute();
          $results=$query->fetchAll(PDO::FETCH_OBJ);
          if($query->rowCount() > 0)
          {
          $_SESSION['login']=$_POST['email'];
          $_SESSION['fname']=$results->FullName;
          $currentpage=$_SERVER['REQUEST_URI'];
          echo "<script type='text/javascript'> document.location = '$currentpage'; </script>";
          }
          else{
           echo "<script>alert('Invalid Details');</script>";
            }
      }
  ?>
```

```
<div class="modal fade" id="loginform">
<div class="modal-dialog" role="document">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>
<h3 class="modal-title">Login</h3>
</div>
<div class="modal-body">
<div class="row">
<div class="login_wrap">
<div class="col-md-12 col-sm-6">
<form method="post">
<div class="form-group">
<input type="email" class="form-control" name="email" placeholder="Email address*"
</div>
<div class="form-group">
<input type="password" class="form-control" name="password" placeholder="Password*">
</div>
<div class="form-group checkbox">
<input type="checkbox" id="remember">
</div>
<div class="form-group">
<input type="submit" name="login" value="Login" class="btn btn-block">
</div>
</form>
</div>
```

```
            </div>
        </div>
        </div>
            <div class="modal-footer text-center">
              <p>Don't have an account? <a href="#signupform" data-toggle="modal" data-dismiss="modal">Signup Here</a></p>
              <p><a href="#forgotpassword" data-toggle="modal" data-dismiss="modal">Forgot Password ?</a></p>
            </div>
          </div>
        </div>
        </div>
```

4.2.4 UserRegistration.php

Here if the user doesn't have an account he has to first register by filling all the details like username, password, email, phone number, address. After filling all the details he can submit the registration form and later he can login to the home page.

```
<?php
//error_reporting(0);
if(isset($_POST['signup']))
{
$fname=$_POST['fullname'];
$email=$_POST['emailid'];
$mobile=$_POST['mobileno'];
$password=md5($_POST['password']);
$sql="INSERT INTO tblusers(FullName,EmailId,ContactNo,Password) VALUES(:fname,:email,:mobile,:password)";
```

```
$query = $dbh->prepare($sql);
$query->bindParam(':fname',$fname,PDO::PARAM_STR);
$query->bindParam(':email',$email,PDO::PARAM_STR);
$query->bindParam(':mobile',$mobile,PDO::PARAM_STR);
$query->bindParam(':password',$password,PDO::PARAM_STR);
$query->execute();
$lastInsertId = $dbh->lastInsertId();
if($lastInsertId)
{
echo "<script>alert('Registration successfull. Now you can login');</script>";
}
else
{
echo "<script>alert('Something went wrong. Please try again');</script>";
}
}

?>



<script>
function checkAvailability() {
$("#loaderIcon").show();
jQuery.ajax({
url: "check_availability.php",
data:'emailid='+$("#emailid").val(),
type: "POST",
```

```
success:function(data){
$("#user-availability-status").html(data);
$("#loaderIcon").hide();
},
error:function (){}
});
}
</script>
<script type="text/javascript">
function valid()
{
if(document.signup.password.value!= document.signup.confirmpassword.value)
{
alert("Password and Confirm Password Field do not match  !!");
document.signup.confirmpassword.focus();
return false;
}
return true;
}
</script>
<div class="modal fade" id="signupform">
  <div class="modal-dialog" role="document">
    <div class="modal-content">
      <div class="modal-header">
        <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>
        <h3 class="modal-title">Sign Up</h3>
```

```
</div>
<div class="modal-body">
 <div class="row">
  <div class="signup_wrap">
   <div class="col-md-12 col-sm-6">
    <form  method="post" name="signup" onSubmit="return valid();">
     <div class="form-group">
      <input type="text" class="form-control" name="fullname" placeholder="Full Name" required="required">
     </div>
      <div class="form-group">
     <input type="text" class="form-control" name="mobileno" placeholder="Mobile Number" maxlength="10" required="required”>
</div>
     <div class="form-group">
      <input type="email" class="form-control" name="emailid" id="emailid" onBlur="checkAvailability()" placeholder="Email Address" required="required">
      <span id="user-availability-status" style="font-size:12px;"></span>
     </div>
     <div class="form-group">
      <input type="password" class="form-control" name="password" placeholder="Password" required="required">
     </div>
     <div class="form-group">
      <input type="password" class="form-control" name="confirmpassword" placeholder="Confirm Password" required="required">
     </div>
     <div class="form-group checkbox">
```

```
                    <input type="checkbox" id="terms_agree" required="required" checked="">
                    <label for="terms_agree">I Agree with <a href="#">Terms and Conditions</a></label>
                  </div>
                  <div class="form-group">
                    <input type="submit" value="Sign Up" name="signup" id="submit" class="btn btn-block">
                  </div>
                </form>
              </div>

            </div>
          </div>
        </div>
        <div class="modal-footer text-center">
          <p>Already got an account? <a href="#loginform" data-toggle="modal" data-dismiss="modal">Login Here</a></p>
        </div>
      </div>
    </div>
  </div>
```

Chapter 5

RESULT AND DESCRIPTION

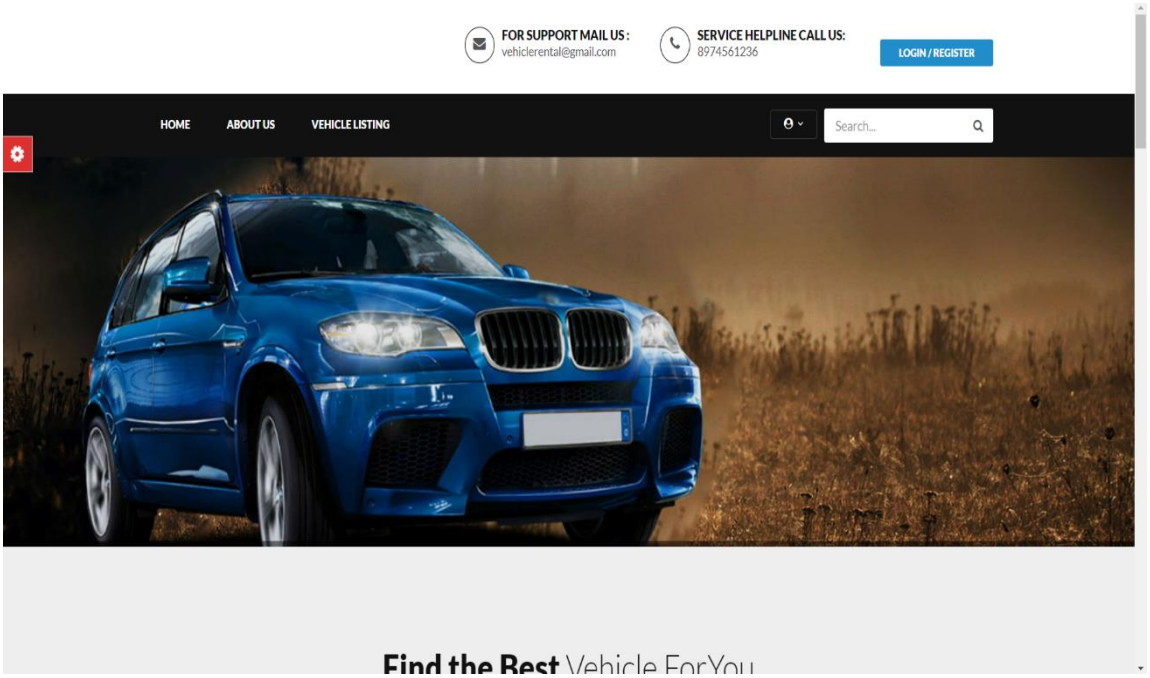

Fig.5.1 **Home page**

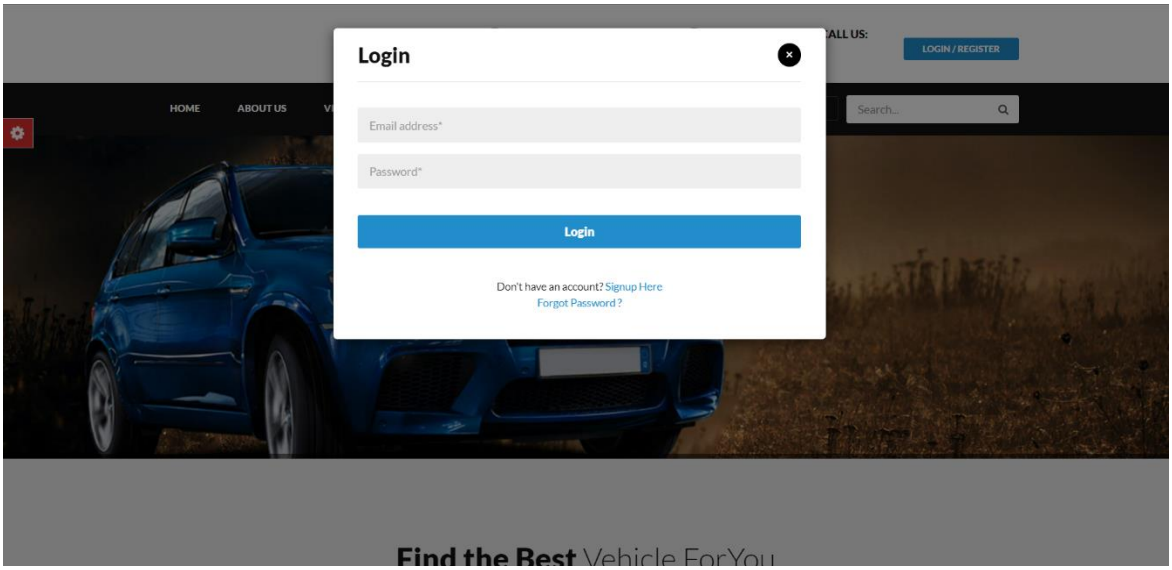

Fig.5.2 **User Login**

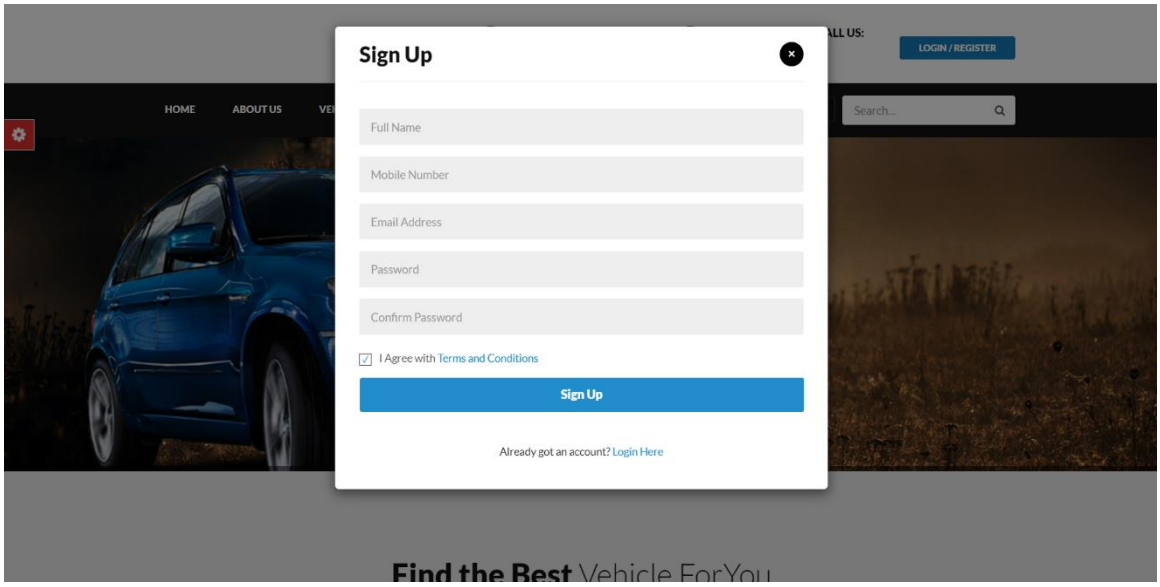

Fig.5.3 **Register page**

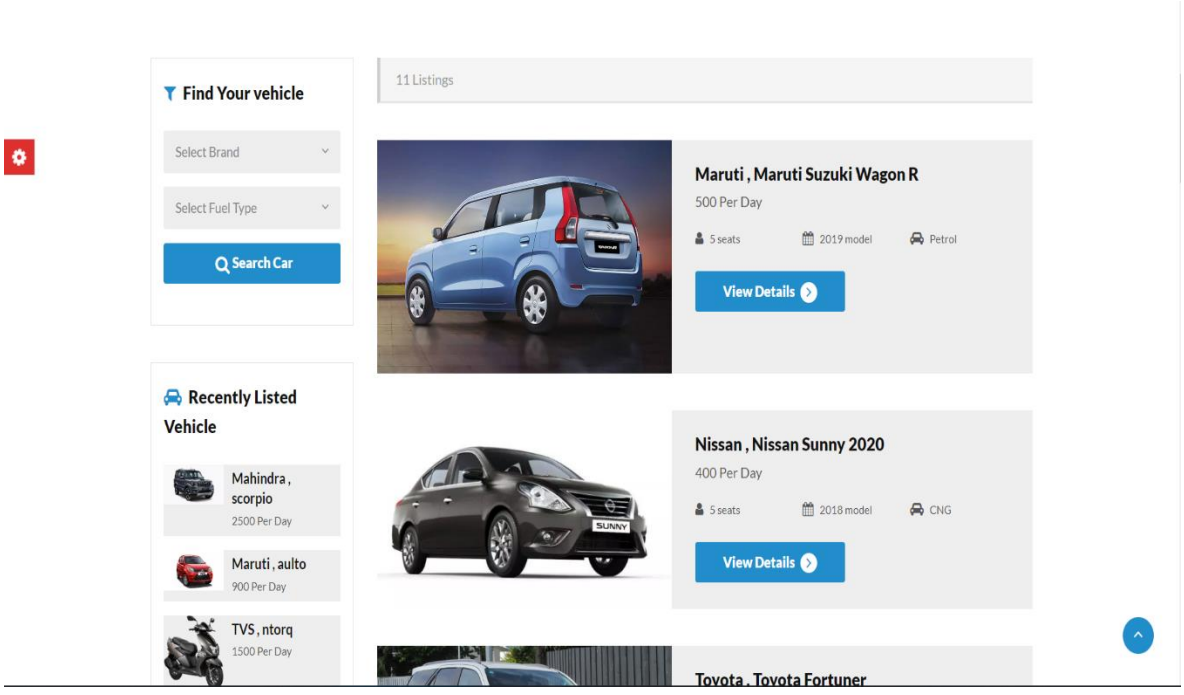

Fig.5.4 **Vehicle Lists**

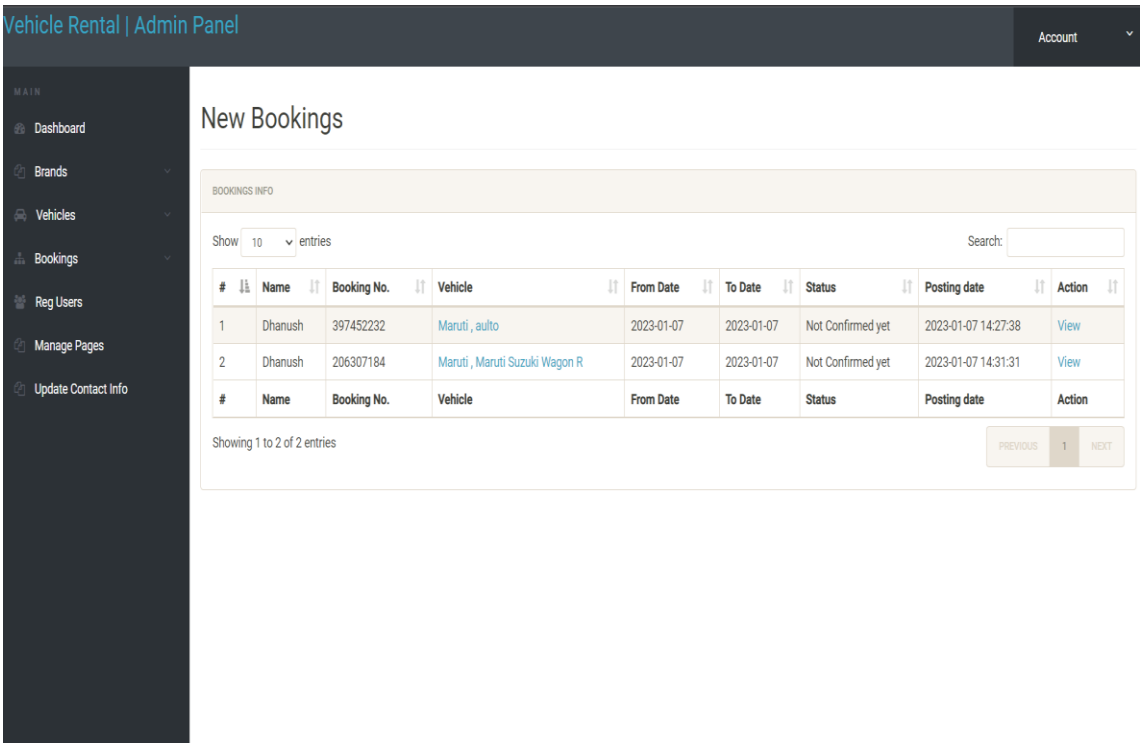

Fig.5.5 **Your Bookings**

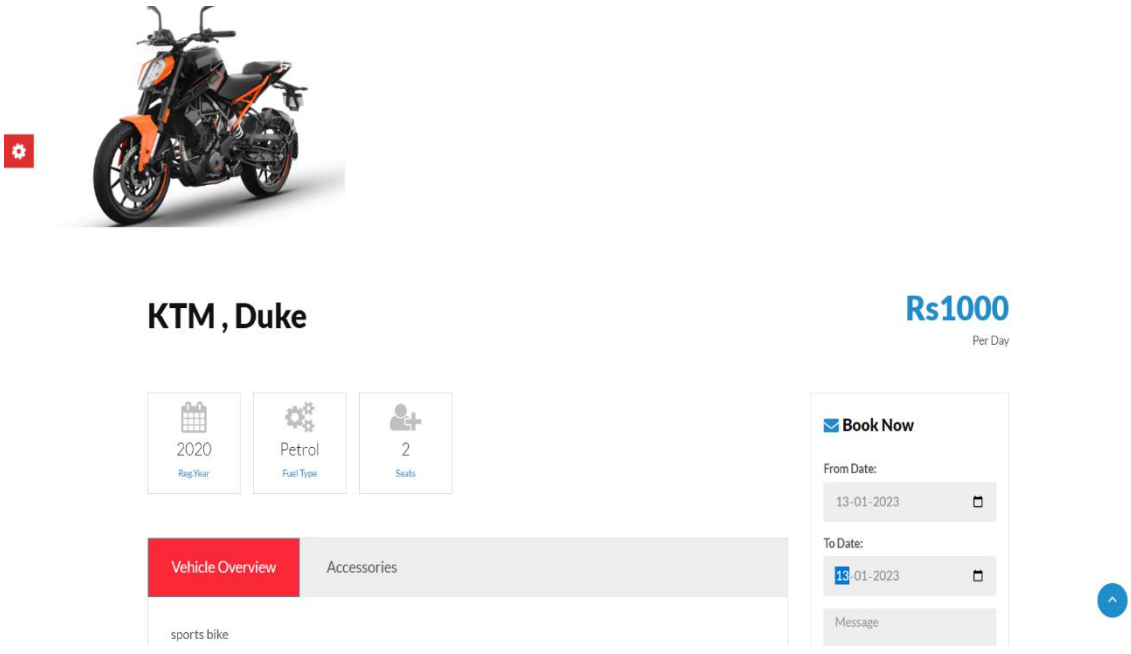

Fig.5.6 **Add to cart**

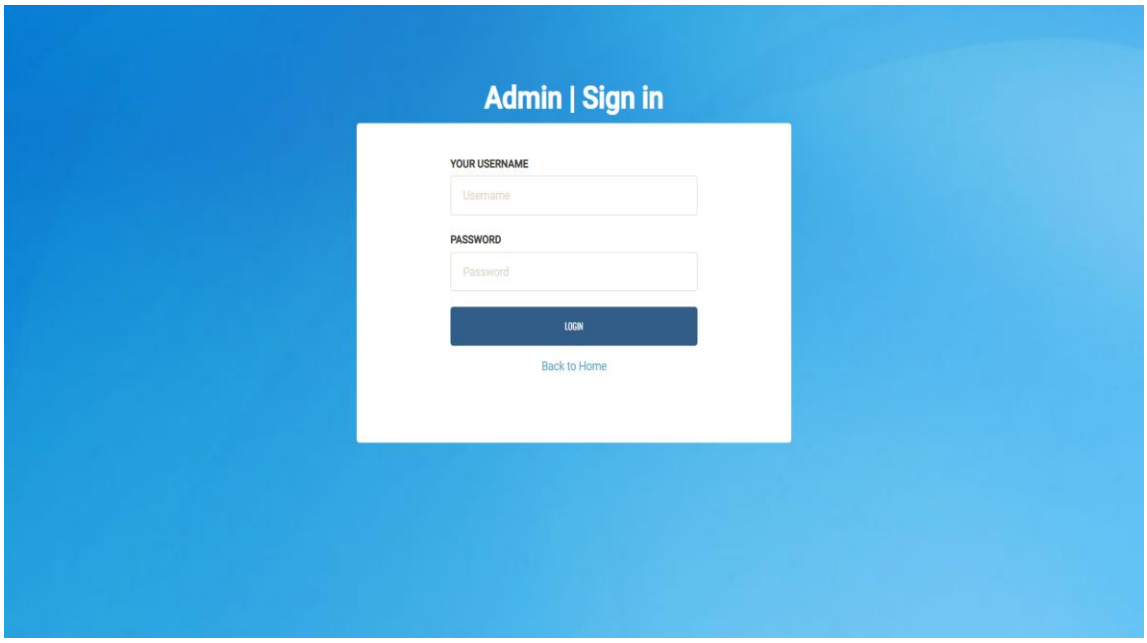

Fig.5.7 **Admin Login**

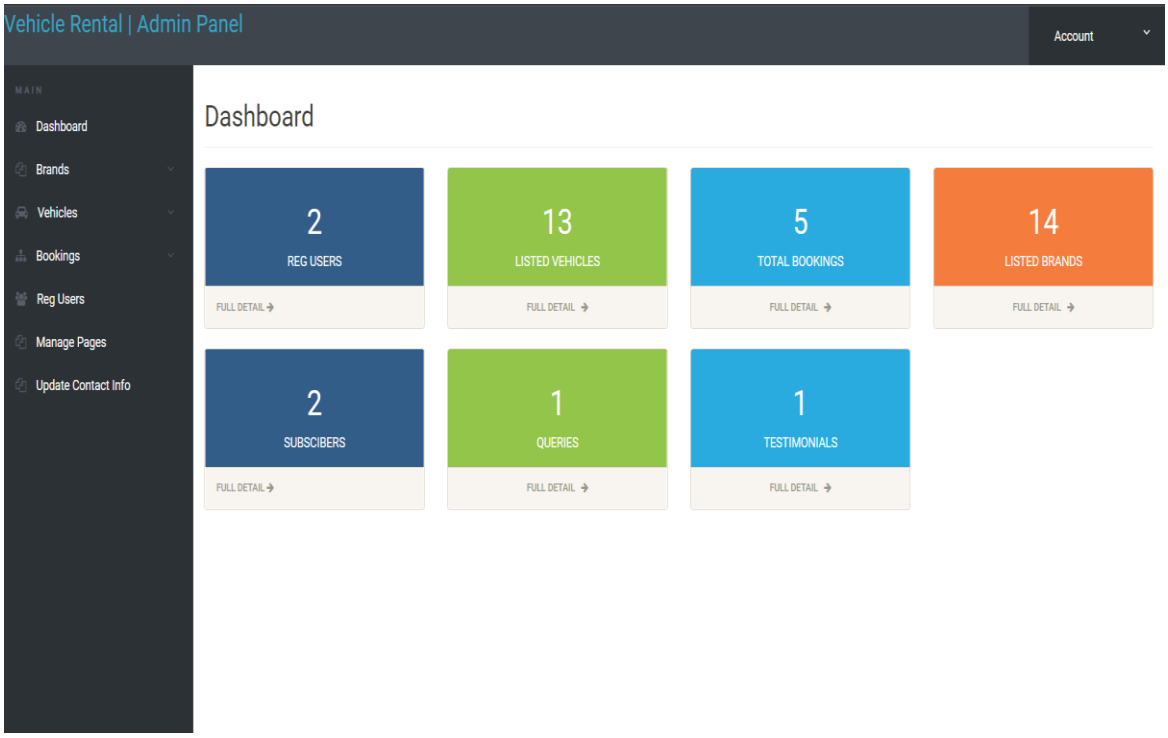

Fig.5.8 **Dashboard**

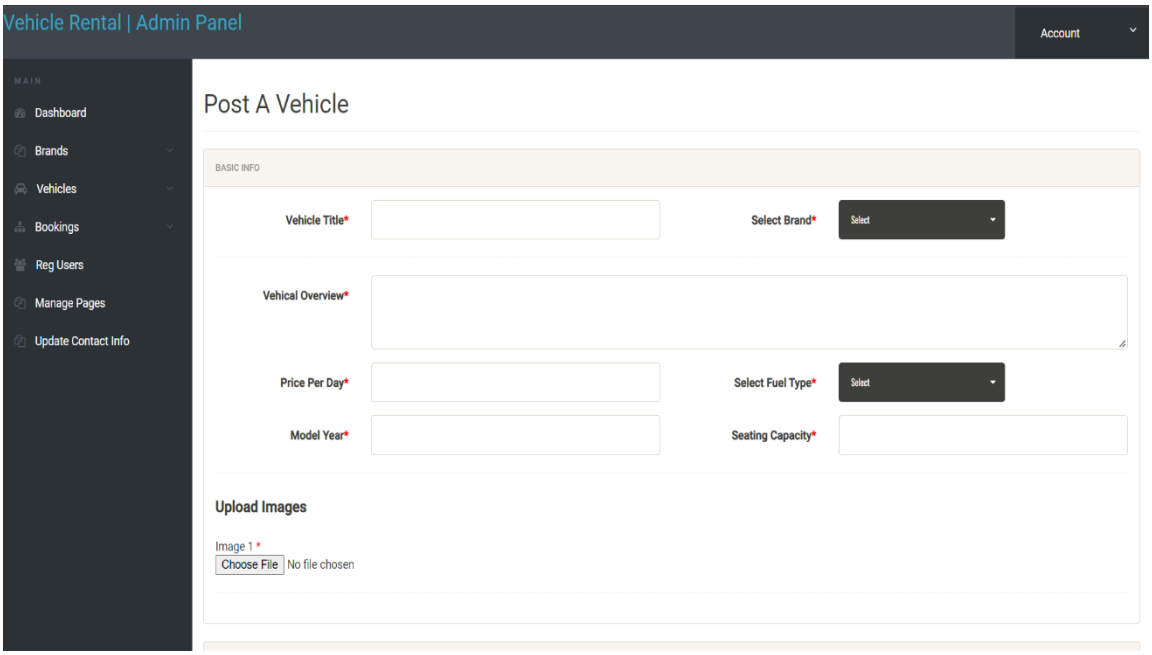

Fig.5.9 **Upload Vehicle Details**

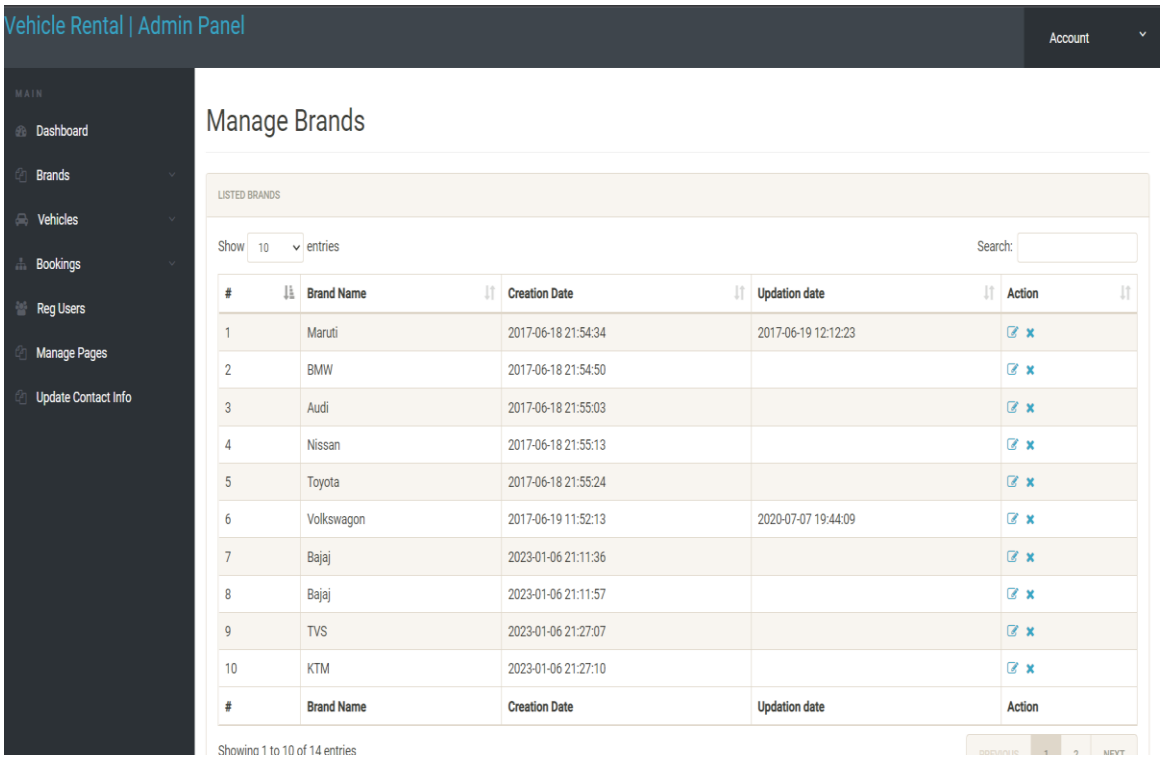

Fig.5.10 **All BRANDS**

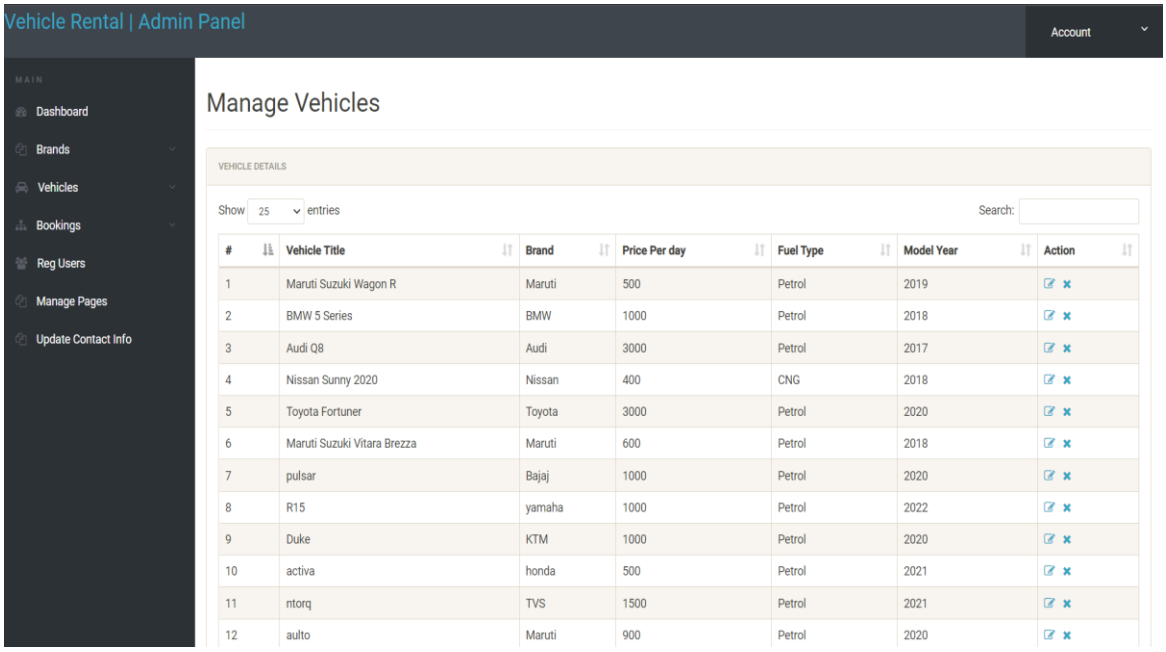

Fig.5.11 **Manage Vehicles**

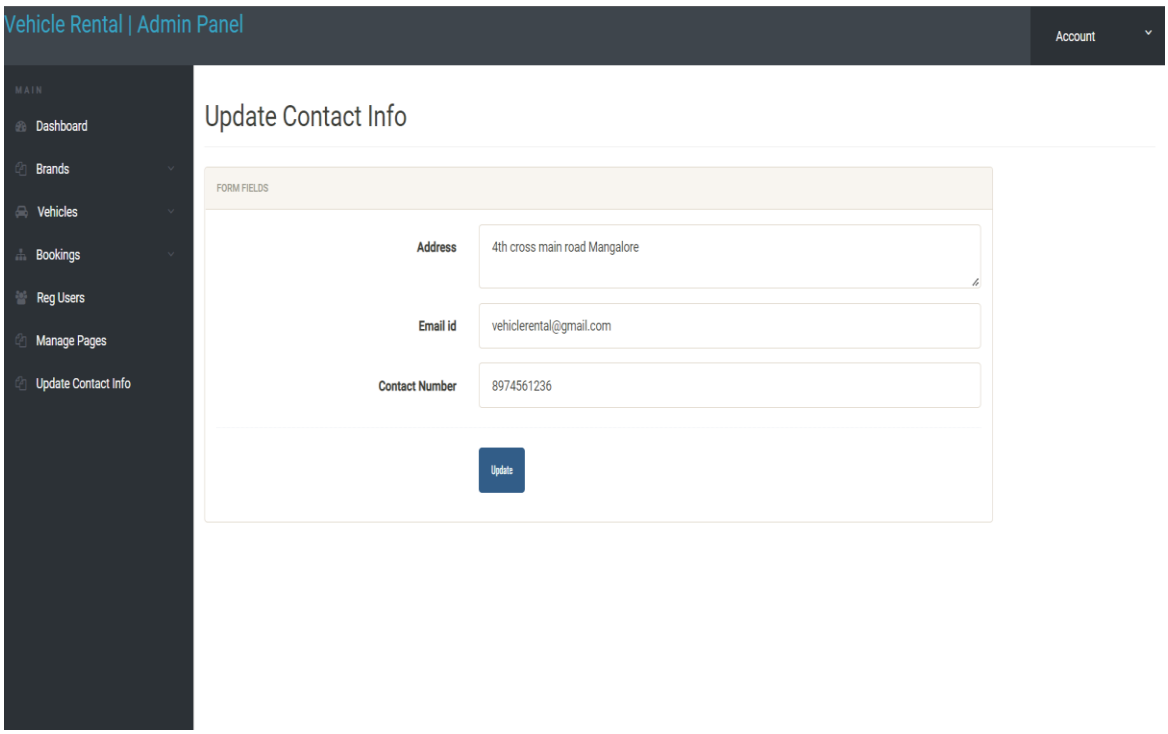

Fig.5.12 **Contact Us Information**

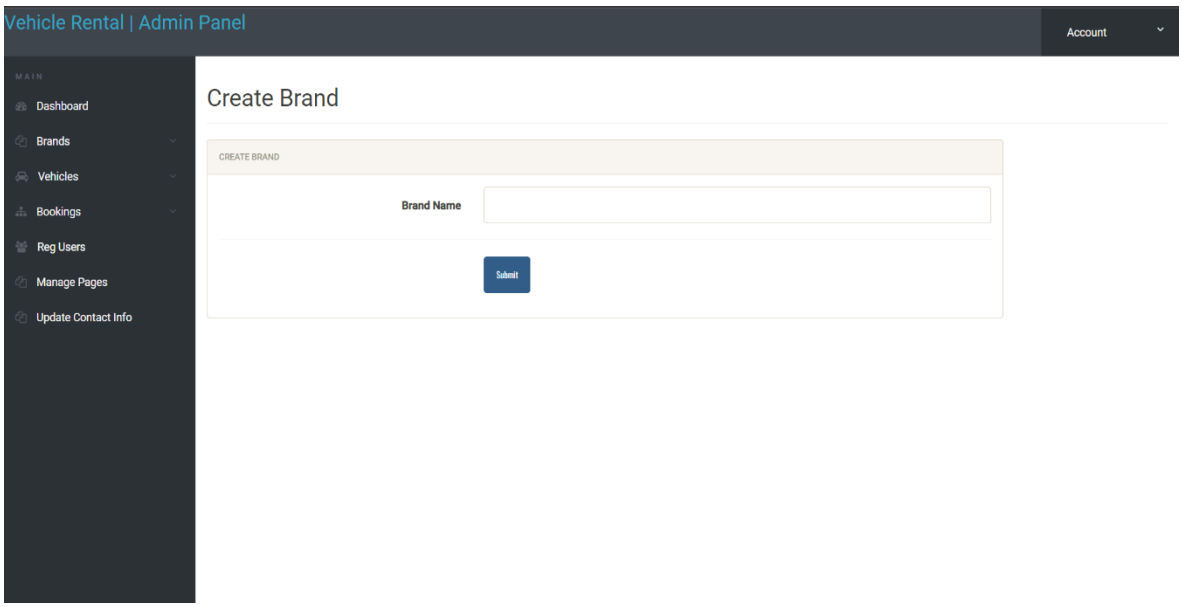

Fig.5.13 **Post Vehicle Brands**

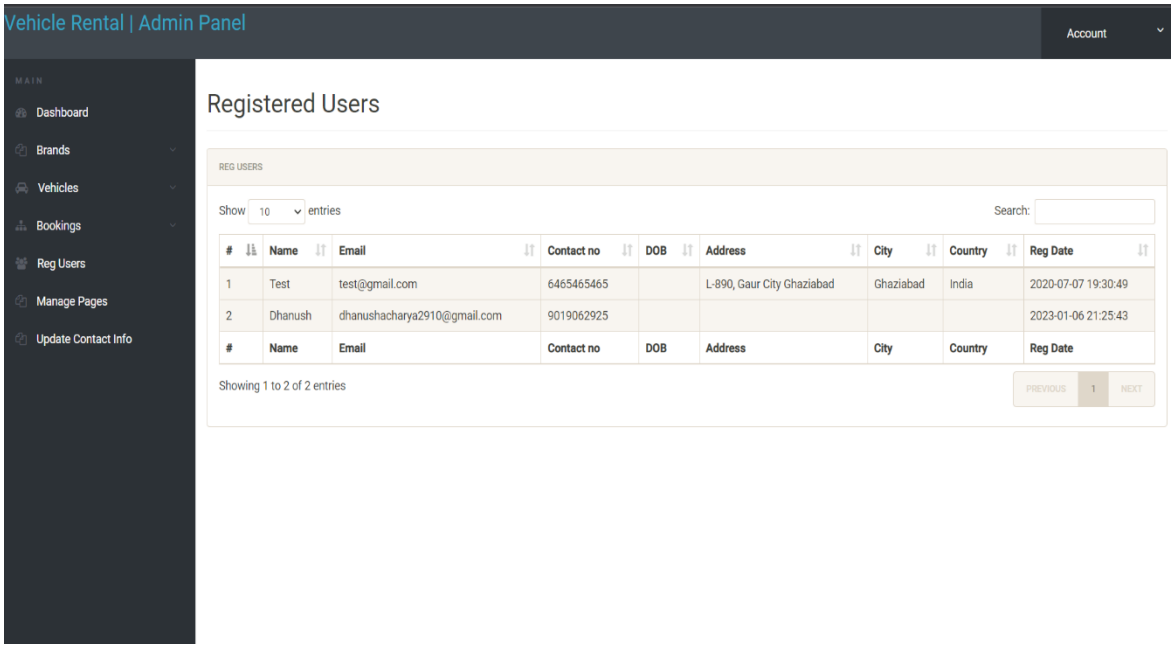

Fig.5.14 **All Users**

Chapter 6

CONCLUSION

This project enables the customers to pick up their favourite food , it promotes the digital market to offer door to door service to its customers.

Every customer has his/her own unique account with a password of their choice and is very user –friendly.

This project has guided our path through various aspects of computer science where developing online application plays a major role.

REFERENCES

[1] HTML AND CSS: https://youtu.be/OWNxUVnY3pg

[2] PHP AND MYSQL: https://youtu.be/6gK3T16q8Qs