

Car Showroom Management System

A PROJECT REPORT

Submitted for the course: Internet and Web Programming (CSE3002)

By

Yash Priyadarshi

18BCE0442

Slot: B1

Name of faculty: Prof.Ragunthar.T.

(SCHOOL OF COMPUTER SCIENCE AND ENGINEERING)



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

OCTOBER 2020

CERTIFICATE

This is to certify that the project work entitled “*Car Showroom Management System*” that is being submitted by “*Yash Priyadarshi(18BCE0442), Vartika(18BCE2084) and Pallav Savalia(18BCE2001)*” for Internet and Web Programming (CSE3002) is a record of bonafide work done under my supervision. The contents of this Project work, in full or in parts, have neither been taken from any other source nor have been submitted for any other CAL course.

Place: Vellore
October, 2020

Signature of Student:

Yash

Signature of Faculty:

Prof. Ragunthar.T.

ACKNOWLEDGEMENTS

We take immense pleasure in thanking **Dr. G. Viswanathan**, our beloved Chancellor, VIT University and respected Dean, **Dr. R. Saravanan**, for having permitted us to carry out the project.

We express gratitude to our guide, **Dr. T. Ragunthar**, for guidance and suggestions that helped us to complete the project on time. Words are inadequate to express our gratitude to the faculty and staff members who encouraged and supported us during the project. Finally, we would like to thank our ever-loving parents for their blessings and our friends for their timely help and support.

Signature of Students

Yash

1. Abstract

The Car Showroom Management System serves the purpose of bringing all the platforms under a single roof.

This application aims to be used in the car showrooms while the sales agent are giving their sales and demo pitches to potential customers and can also act like a platform which the customers, employees and admins can access remotely to book/order/sell a vehicle or check out its specs.

2. Introduction

- **Problem Statement**

To build a centralized platform that can be used by the customers and employees of any automotive dealership and which can assist in easing the process of sales and purchases for both on the customers as well as the corporate's side. The platform is designed so that secure sales and purchases can be made by proper and authorized parties.

- **Technical Specifications:**

- Front End:
 - HTML
 - CSS
 - JavaScript
- Back End
 - PHP
 - MySQL
- Tools
 - PHP interpreter
 - MySQL command line

3. Existing System Problems

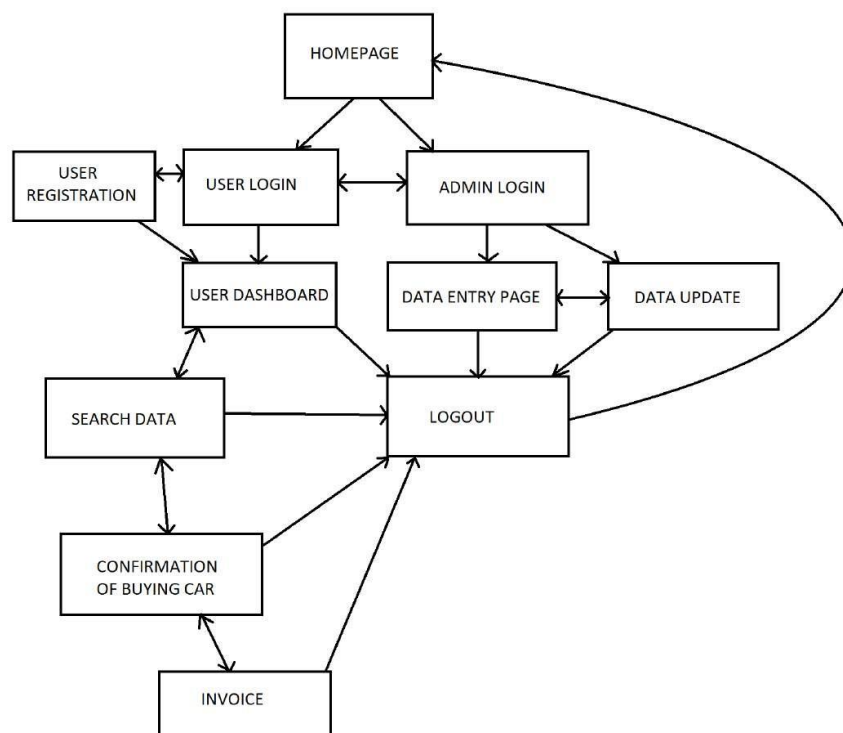
The existing platforms in forms of websites and mobile applications that are being used in the industry right now are not able to satisfy all the needs of the customers and the sales agents. Our goal is to build a centralized platform which will have a multi-purpose usage and can be used to make a sale or purchase, or to give a sales pitch and show a demo. It can also be used by authorized parties to verify and confirm pending orders and to check inventory. The main problems in today's system are:

1. Restricted user base
2. Lack of verification
3. Lack of live inventory check
4. Lack of proper oversight
5. Limited usage

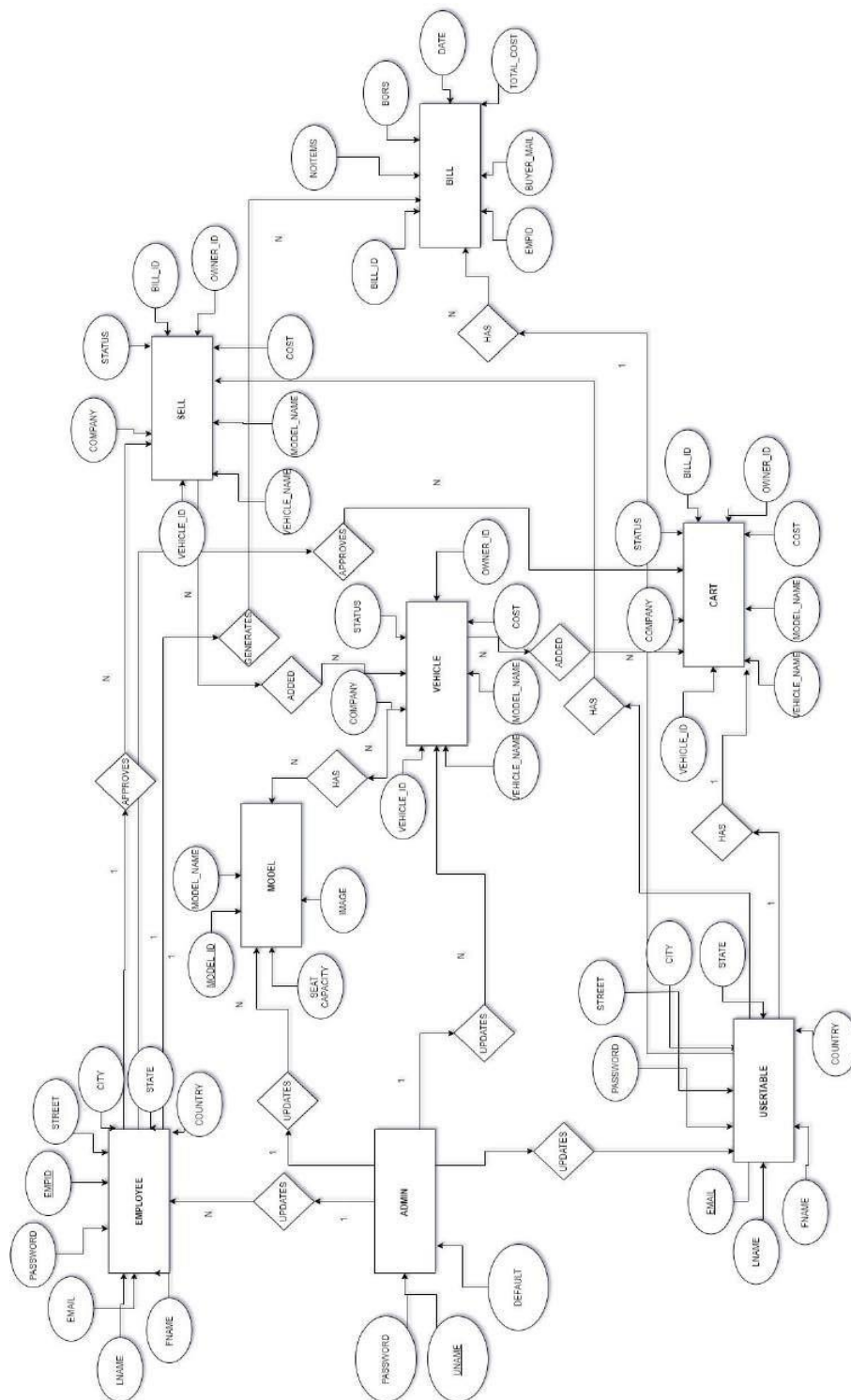
4. Proposed System Design

The proposed Car showroom management system is very effective. If someone is interested in buying any car, then he/she can check all the information related to the car in the given portal. It to computerize all the manual work related to automobile inventory and keep track of all purchased car information and keep records of all the transaction made in the automobile organization. Authentication of the employees and the user is done. Also, an online pdf bill will be generated as soon as the booking of a buyer is confirmed by the employee.

- Front-End Structure



- Back-End Structure



5. Modules and their Description

- **Car Module**

All the facts and figures related to a car of each model is present in this module & the viewer can view this module after login into the system. New car details and existing car details are added into this module. Lists of all the cars are available inside this module.

- **Employee Module**

All the details of the employees are added to the module. Along with the existing details, new employees are also added into this module. Any employee in the system can reject or accept the booking and send the bill request.

- **Booking Module**

Via this module, the user or customer of this system can book the cars for them. They can also add the cars they like to their carts and request the employee for sale if they like. All the previous booking details are available through this module. Also, the booking history will be shown and the consumers can have their bill online.

- **Customer Module**

This module is designed specifically for the customers. They can log in into the system after getting their credentials. This module keeps track of each and every customer and all the information related to each customer is being added into this module. They can also add the cars they like to their carts and request the employee for sale if they like. This module is updated timely by the admin of this system.

- **Admin Module**

In this module the admin will be able to add/delete the employee in the database. It can enter or edit any car features. The details of any purchase will go to the database and bill will be generated by the admin.

6. MySQL tables (As seen in phpMyAdmin)

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> admin	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> bill	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> cart	★ Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> employee	★ Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> model	★ Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	32.0 KiB	-
<input type="checkbox"/> sell	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> usertable	★ Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> vehicle	★ Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
8 tables	Sum	23	InnoDB	utf8mb4_general_ci	144.0 KiB	0 B

- Admin

	uname	password	deflt
<input type="checkbox"/> Edit Copy Delete	admin	sad	7

- Bill

	bill_id	noitems	empid	buyer_mail	total_cost	bors	date
<input type="checkbox"/> Edit Copy Delete	7	1	18BCE0442	yash@gmail.com	1416000	B	2020-09-25

- Cart

vehicle_id	vehicle_name	model_name	cost	owner_id	company	status	bill_id
1237	Jazz	SPORTS	300000	yash@gmail.com	Honda	4	4
1236	ECO SPORT	SPORTS	200000	san@gmail.com	Ford	4	1
1235	SWIFT	LUV	500000	san@gmail.com	Maruthi	4	3
0	Eco sports	SPORTS	200000	yash@gmail.com	Ford	4	5
1238	Figo	LUV	200000	v@gmail.com	Ford	4	6
0	Eco sports	LUV	1200000	yash@gmail.com	ABC	4	7

- Employee

	fname	lname	email	empid	password	street	city	state	country	phoneno
<input type="checkbox"/> Edit Copy Delete	Yash	Priyadarsh	yash@red.com	18BCE0442	sad	A	B	C	D	8949164269
<input type="checkbox"/> Edit Copy Delete	Reece	DSouza	red@gmail.com	18BCE0483	sad	Kulshekar	Mangalore	Karnataka	India	9994710295
<input type="checkbox"/> Edit Copy Delete	Ronan	DSouza	ron@gmail.com	18BCE0782	sad	Kulshekar	Mangalore	Karnataka	India	9932781930
<input type="checkbox"/> Edit Copy Delete	Administrator	A	admin@gmail.com	admin	sad	A	B	C	D	12347890

- **Model**

Options			model_id	model_name	seat_capacity	image
<input type="checkbox"/>	Edit Copy Delete		12	SUV	6	suv.jfif
<input type="checkbox"/>	Edit Copy Delete		13	LUV	4	luv.jpg
<input type="checkbox"/>	Edit Copy Delete		14	SPORTS	2	sports.jfif

- **Sell**

vehicle_id	vehicle_name	model_name	cost	owner_id	company	status	bill_id
0	Eco sports	SPORTS	200000	san@gmail.com	Ford	3	2

- **Usertable**

Options		fname	lname	email	password	street	city	state	country	phoneno
<input type="checkbox"/>	Edit Copy Delete	admin	a	admin@gmail.com	sad	A	B	C	D	12347890
<input type="checkbox"/>	Edit Copy Delete	Pallav	P	p@gmail.com	sad	xyz	xyz	Delhi	India	4512789452
<input type="checkbox"/>	Edit Copy Delete	Siddarth	Dahiya	sid@gmail.com	sad	AustinTown	Bangalore	Karnataka	India	7293107832
<input type="checkbox"/>	Edit Copy Delete	Yash	Priyadarsh	yash@gmail.com	sad	New Sangan	Jaipur	Rajasthan	India	8949164269

- **Vehicle**

Options			vehicle_id	vehicle_name	model_name	cost	owner_id	company	status
<input type="checkbox"/>	Edit Copy Delete		0	Ford	SPORTS	150000	admin	SELF1	0
<input type="checkbox"/>	Edit Copy Delete		1234	XYLO	SUV	1000000	admin	Mahindra	0
<input type="checkbox"/>	Edit Copy Delete		1238	Figo	LUV	200000	admin	Ford	0

7. Module Implementation with Screenshots

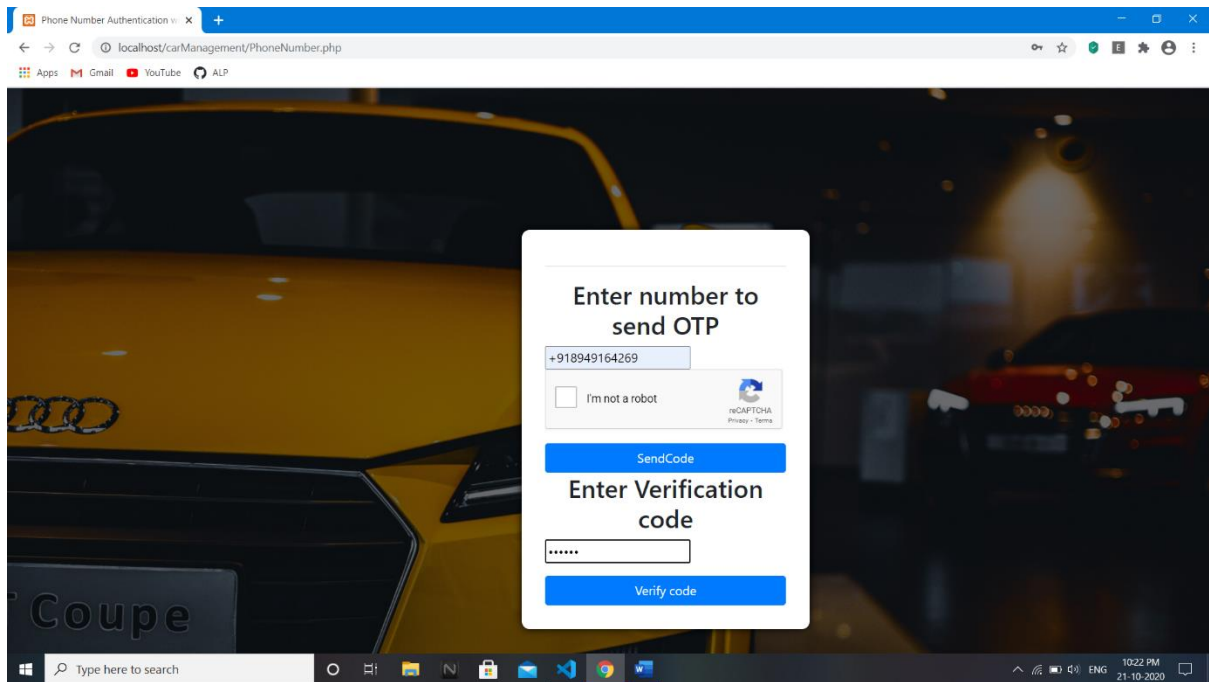


Fig 1: sending OTP for verification

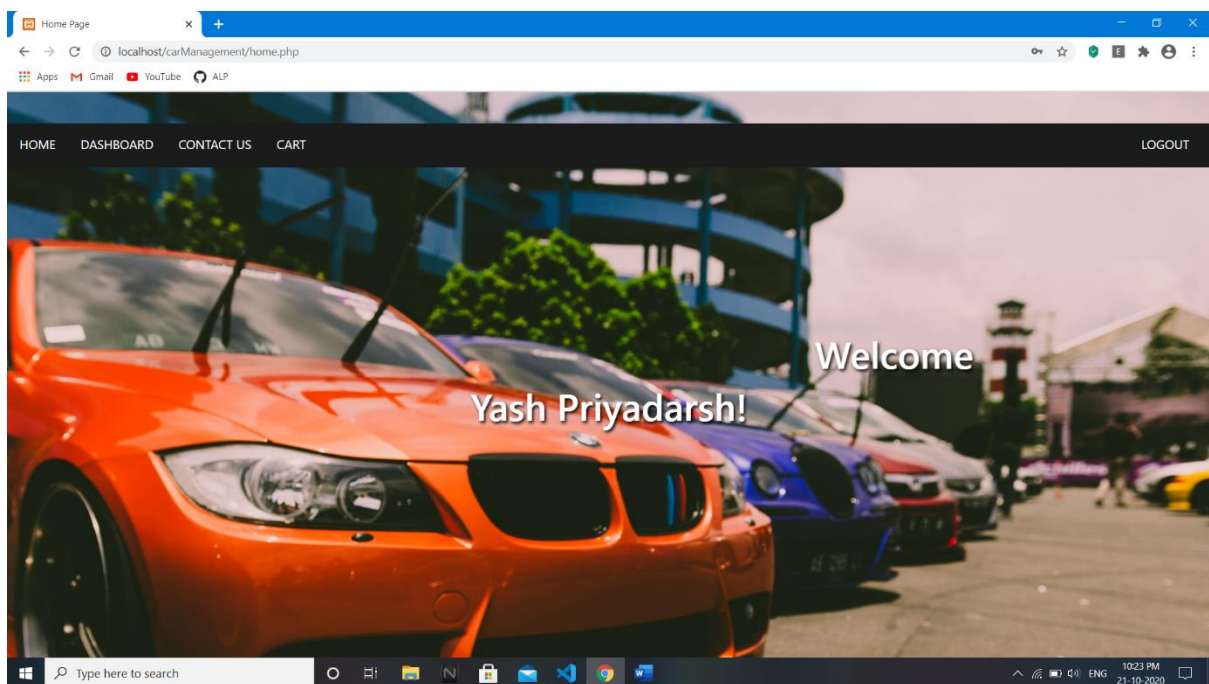


Fig 2: Home page for Employee

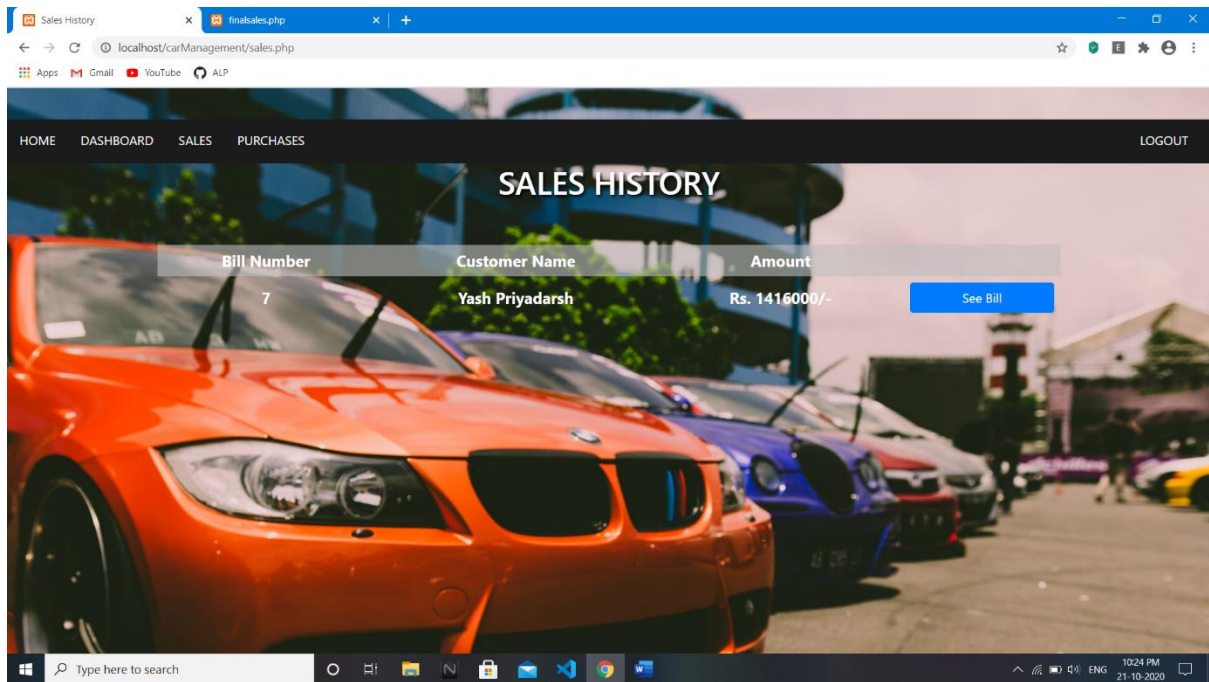


Fig 3: Checking the history of a customer

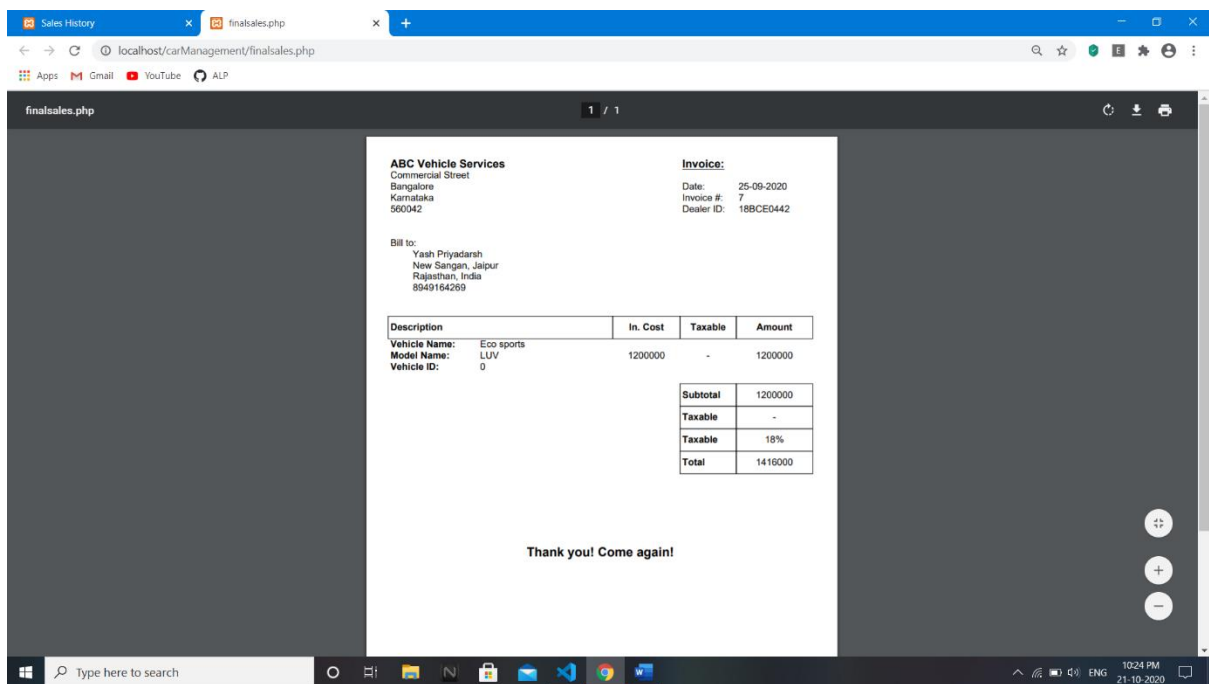


Fig 4: Generation of a PDF bill after a sale/purchase has been confirmed

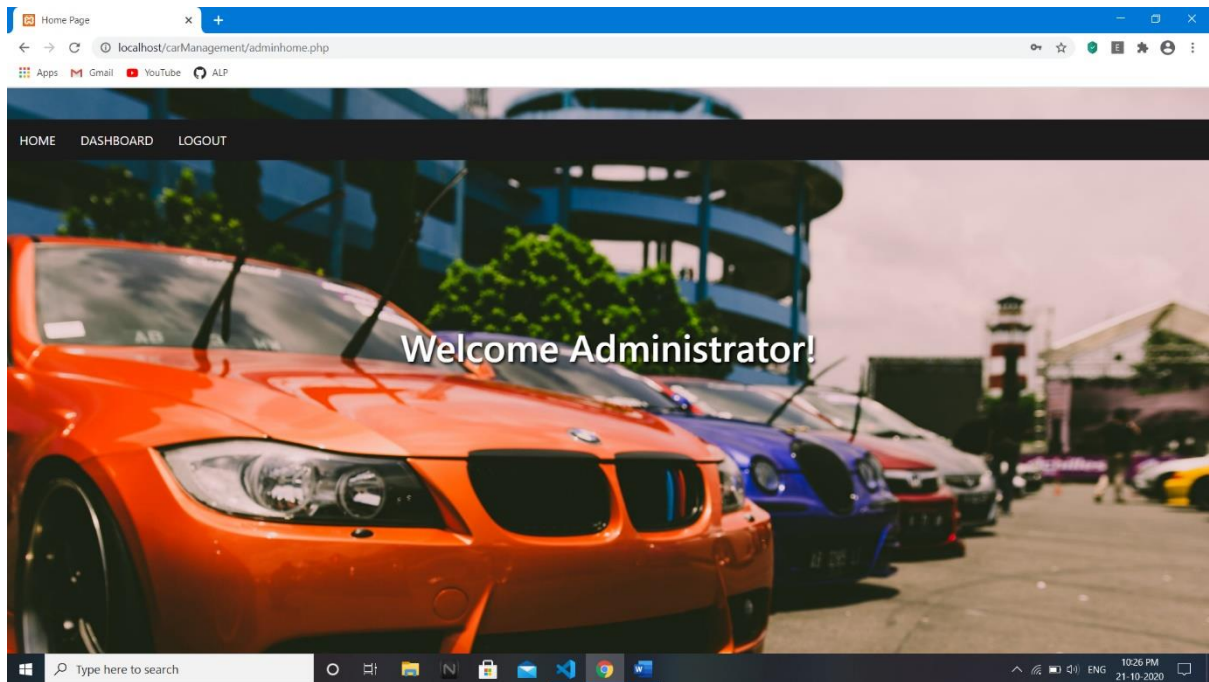


Fig 5: Admin Home Page

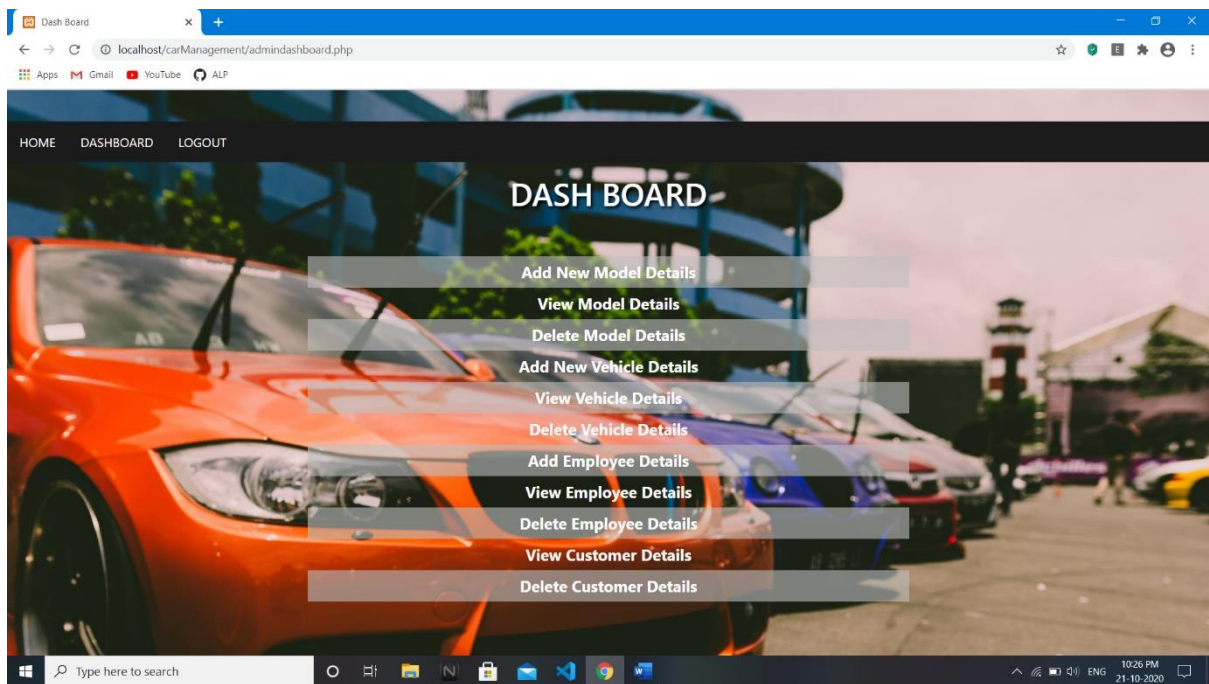


Fig 6: Admin Dashboard

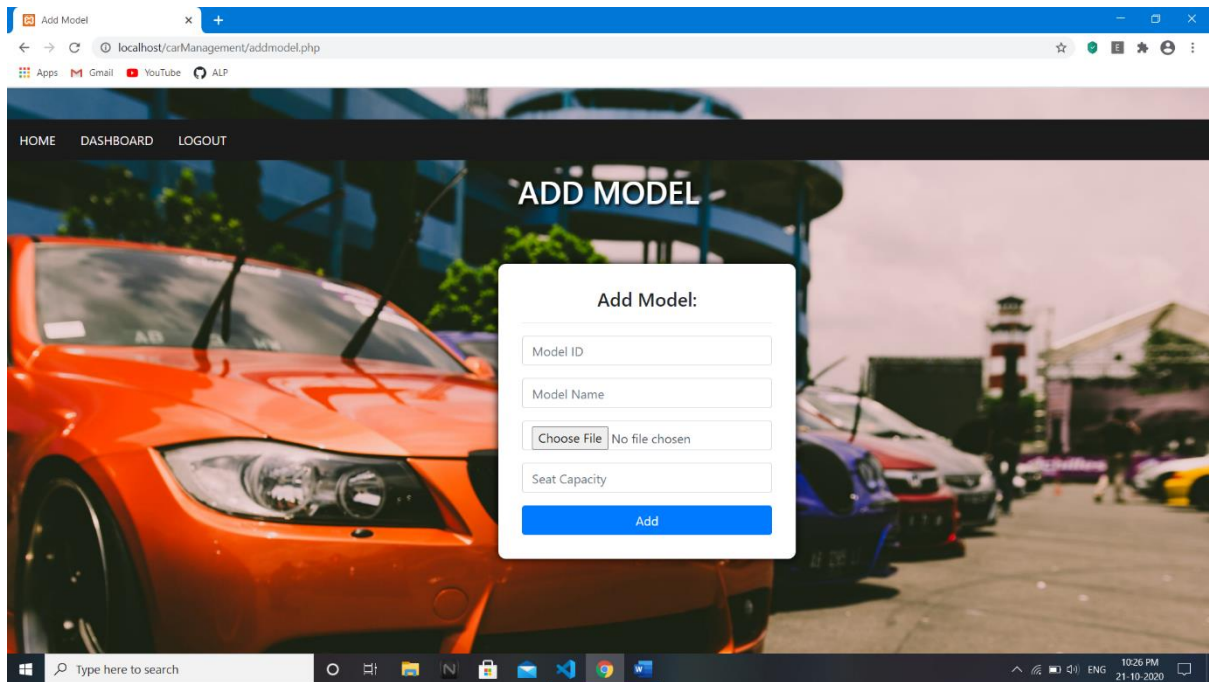


Fig 7: Admin adding new models to inventory

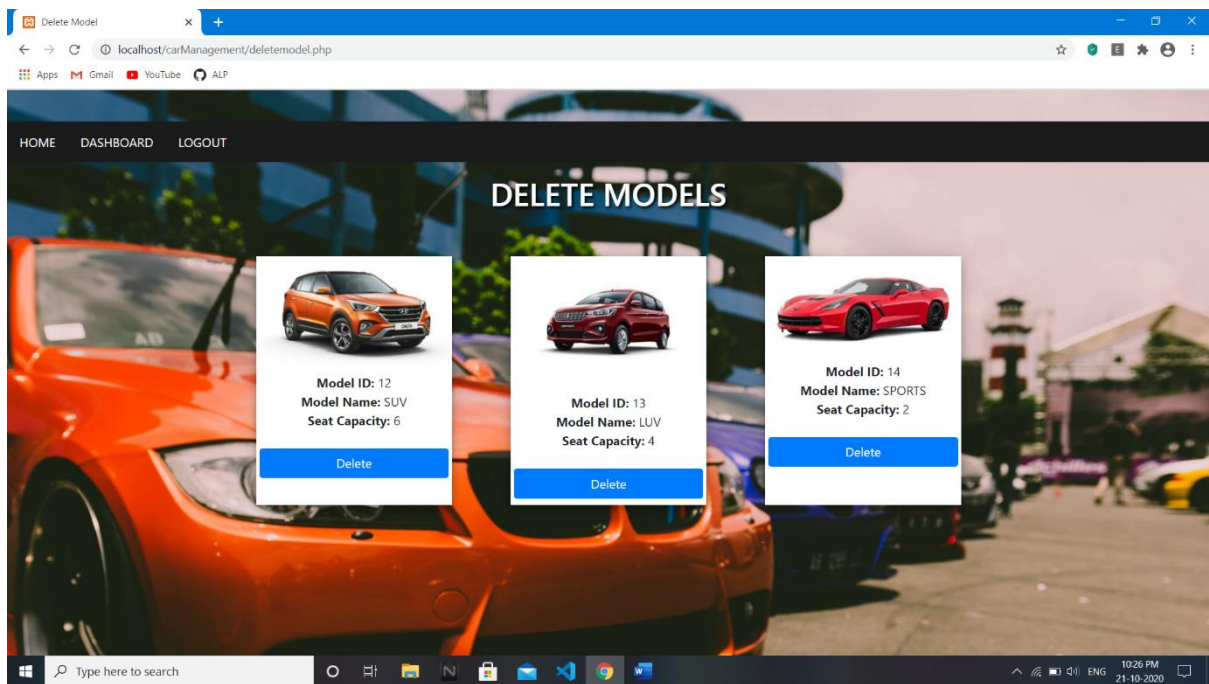


Fig 8: Admin removing discontinued models

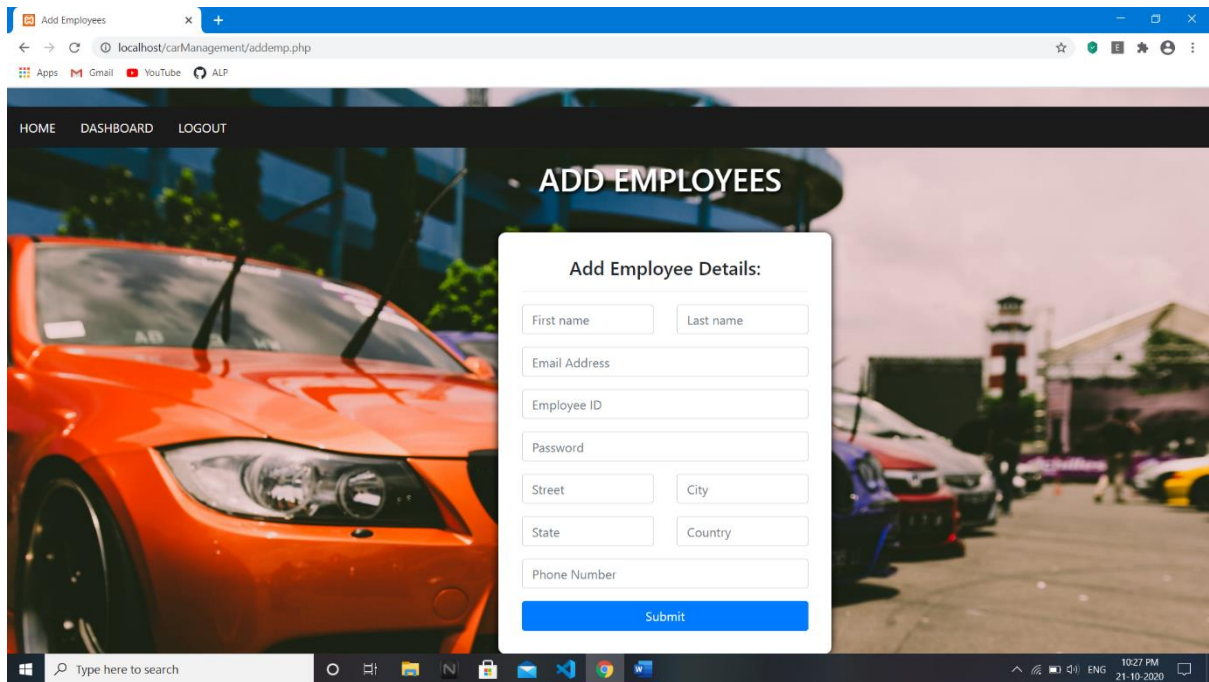


Fig 9: Adding Employee accounts

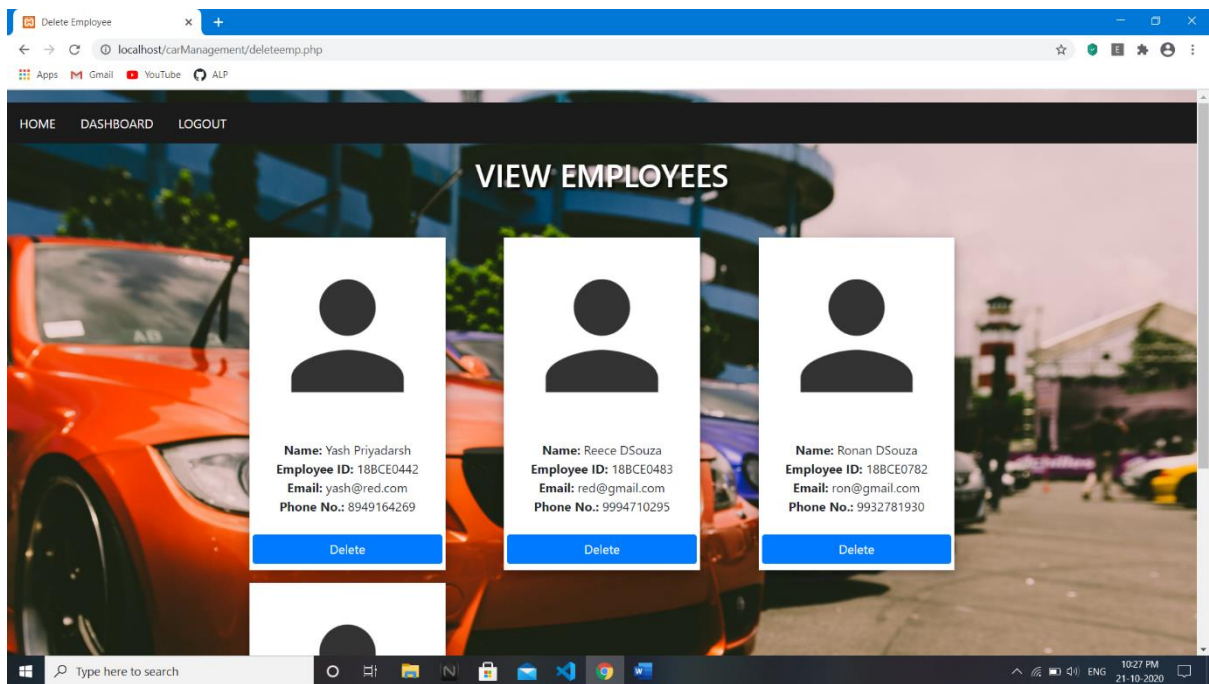


Fig 10: Monitoring Employees

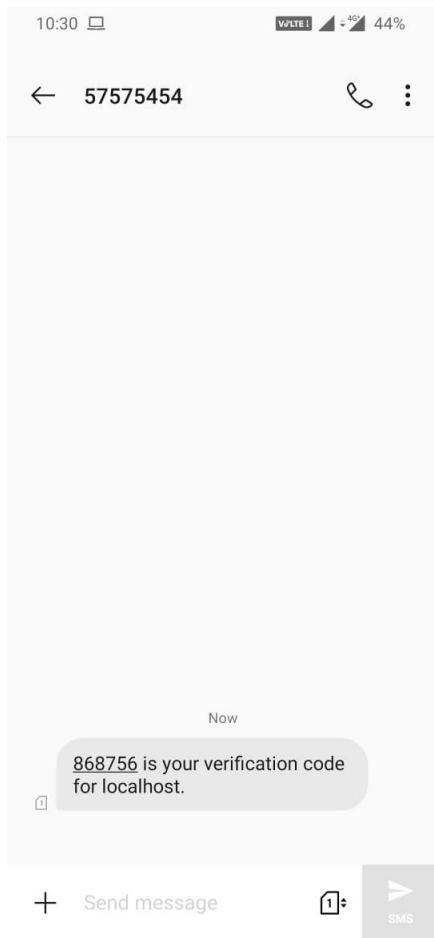


Fig 11: received OTP message

8. Conclusion

We have made a platform which has multiple uses and can be accessed by both the employees and customers of any automotive dealership. In times like these among the COVID pandemic, preference is given to work that can be done virtually and where physical meeting can be avoided. This is the main scope of growth for our project, as this trend is most likely to rise and using this platform, sales and purchases are being done virtually.

9. Future Work

After launch, we can keep adding features as required. We can add a different inventory regarding spare and repair parts that are frequently required, as the market for these small parts is also huge and it is generally really difficult to find authentic parts in the aftermarket. The userbase for buying and selling these spare parts will be really large.

At a later time, this platform can be made into a mobile application to make it more user-friendly and available.

10. Code Samples

○ Admin homepage

```
<?php
session_start();
if(!isset($_SESSION['uname'])) {
    header('location:adminlogin.php');
}
?>

<!DOCTYPE html>
<head>
<title>
    Home Page</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw
1T" crossorigin="anonymous">
    <link rel="stylesheet" type="text/css" href="css/global1.css">
    <meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body class="bg">
    <br>
    <p>
    <ul>
    <li><a href="adminhome.php">HOME</a></li>
    <li><a href="admindashboard.php">DASHBOARD</a></li>
    <li><a href="adminlogout.php"> LOGOUT </a></li>
    </ul>
    <p>
    <br><br><br><br> <br><br><br><br>
    <h1 align="center" class="heading"> <big><font color='white'>Welcome <?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "dbms";

    $conn = new mysqli($servername, $username, $password, $dbname);

    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
    $empid=$_SESSION['uname'];
    $sql = "SELECT fname,lname FROM employee WHERE empid='$empid'";
    $result = $conn->query($sql);
    if ($result->num_rows > 0) {
```



```

        while($row = $result->fetch_assoc()) {
            echo $row["fname"]."!";
        }
    }
    $conn->close();
?> </font></big></h1>
</p>

```

- **Cart**

[illegible]


```

$flag2=0;
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "dbms";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

if(isset($_POST['confirm']) && $_SESSION['confirmation']==1) {
    $_SESSION['confirmation']=0;

    echo "<h2 align='center'><font color='white'>Your booking is
confirmed!</font></h2>";

} else if($_SESSION['confirmation']==0 && !isset($_POST['confirm'])) {
    $sql = "SELECT * FROM cart";
    $result = $conn->query($sql);
    if ($result->num_rows > 0) {
        while($row = $result->fetch_assoc()) {
            if($row['owner_id']==$_SESSION['email'] && $row['status']<2) {
                $flag1=1;
                $flag2+=1;
                $mod = $row['model_name'];
                $sql1="SELECT * FROM model WHERE model_name = '$mod'";
                $result1=$conn->query($sql1);
                $row1=$result1->fetch_assoc();
                echo "<figure><img
src='images/' . $row1['image']. ' "><figcaption><b>Vehicle Name:</b> ".
$row["vehicle_name"]. " <br><b>Model Name:</b>
". $row['model_name']. " <br><b>Company:</b> ". $row['company']. " <br>
<b>Cost:</b> Rs. ". $row["cost"]. " <br><br>
<form method='post' name='delete'><button type='submit' name='submit'
class='btn btn-primary btn-block'
value='". $row['vehicle_id']. "'>Remove</button></form></figcaption></figure> ";
            }
        }
    } else {
        $flag2+=1;
        echo "<h2 align='center'><font color='white'>No Vehicles
inserted</font></h2>";
    }
    if($flag2==0)
    {

        echo "<h2 align='center'><font color='white'>No Vehicles
inserted</font></h2>";
    }
    if($result->num_rows>0 && $flag1==1) {

```

```

echo "</div><form method='post' name='book'>
<p align='center'>
  <button type='submit' name='confirm' class='btn btn-primary'
value='confirm'>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Confirm&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</button>
</p>
</form>";
}

$conn->close();

}
?>

```

- **Employee homepage**

[illegible]


```

<!DOCTYPE html>
<head>
<title>
  Home Page</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw
1T" crossorigin="anonymous">
  <link rel="stylesheet" type="text/css" href="css/global1.css">
  <meta name="viewport" content="width=device-width, initial-scale=1">
</style>
table {
  margin-left: 25%;
  border-collapse: collapse;
  width: 50%;
}

th, td {
  text-align: center;
  padding: 8px;
  font-weight: bold;
  color: white;
}

tr:nth-child(odd) {
  background-color:rgb(192,192,192,0.6);
}
td a {
  color: white;
  text-decoration: none;
}
tr:hover {
  background-color: #979696;
}

</style>
</head>
<body class="bg">
  <br>
  <p>
  <ul>
<li><a href="home.php">HOME</a></li>
<li><a href="dashboard.php">DASHBOARD</a></li>
<li><a href="contactus.php">CONTACT US</a></li>
<li><a href="cart.php">CART</a></li>
<li>

```



```

left: 20vh;
background: #fff;
padding: 30px;
border-radius: 10px;
box-shadow: 0px 0px 10px 0px #000;
}
</style>
</head>
<body>
<div class="container-fluid bg">
<div class="row justify-content-center">
<div class="col-12 col-sm-4 col-md-4">
<form enctype="multipart/form-data" method="post" class="form-container">
<div class="form-group">
<?php
if(!isset($_POST['submit'])){
    echo "<h4 align='center'>Employee Login:</h4>";
}

        if(isset($_POST['submit'])) {
            session_start();
            $con = mysqli_connect('localhost','root','');
            mysqli_select_db($con,'dbms');
            $empid = $_POST['empid'];
            $pass = $_POST['password'];
            $s = "SELECT * FROM employee WHERE empid= '$empid' and
password='$pass'";
            $result = mysqli_query($con, $s);
            $num = mysqli_num_rows($result);
            if($num==1) {
                $_SESSION['confirmation1']=0;
                $_SESSION['empid'] = $empid;
                header('location:emphome.php');
            }
            else
            {
                echo "<h4 align='center'><font color='red'>Invalid entry!</font></h4>";
            }
        }
    ?>
</div>
<hr>
<div class="form-group">
    <input type="text" name="empid" class="form-control"
id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Employee
ID" required>
</div>
<div class="form-group">
    <input type="password" name="password" class="form-control"
id="exampleInputPassword1" placeholder="Password" required>
</div>

```



```

        <button type="submit" name="submit" class="btn btn-primary btn-
block">Submit</button>
        <br>
        <div class="form-group">
        Want to login as a user? <a href='login.php'>Click here</a>
        </div>
        </form>
        </div>
    </div>
</div>

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0
W1" crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
</body>
</html>

```

References:

- www.w3schools.com
- <http://html.net/>
- https://www.w3schools.com/html/html_css.asp
- <https://www.w3schools.com/php/default.asp>