Car Reservation System

Customer portal:

CSS

```css
h1{
    text-align:center;
    line-height:150%;
    color: white;
}

body {
    font-family: "Noto Sans", sans-serif;
    background-image: url("wallpaper.jpg");
    background-repeat: no-repeat;
    background-size: cover;
    font-weight: 700;
}

form {
    border: 2px solid #f5fffa;
    width: 400px;
    height: auto;
    position: absolute;
    left: 31%;
    background-color: white;
    border-radius: 15px;
}

input[type=text], input[type=password] {
    width: 100%;
    padding: 12px 20px;
    margin: 4px 0;
    border: 1px solid #ccc;
    box-sizing: border-box;
}

button {
    background-color: #008B8B;
    color: white;
    padding: 14px 20px;
    margin: 8px 0;
    border: none;
    cursor: pointer;
```

```css
      width: 100%;
    }

    button:hover {
      opacity: 0.8;
    }

    .containerMiddle, label {
      color: #008B8B;
      padding: 7px;
      padding-top: 10px;
      align: center;
    }

    a{
      color: #008B8B ;
      font-weight: 900;
      text-align: center;
    }
```

The CSS sheet is inserted in all classes and files of the system.

Sign up (html)

```html
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Mariam Registration Web Page</title>
<link rel="stylesheet" href="mystyle.css">
<script type="text/javascript">
//validate the form rules
function validateForm() {
    //getting information entered by user in the forms
    //into variables
    var a = document.forms["form"]["fname"].value;
    var b = document.forms["form"]["lname"].value;
```

```javascript
    var c = document.forms["form"]["email"].value;
    var d = document.forms["form"]["password_1"].value;
    var e = document.forms["form"]["password_2"].value;
    var f = document.forms["form"]["phone_number"].value;
    var g = document.forms["form"]["city"].value;
    var h = document.forms["form"]["street"].value;
    var i = document.forms["form"]["zipcode"].value;
    var j = document.forms["form"]["gender"].value;

    //validation if any of the fields are empty
    if(a == null || a == "", b == null || b == "", c == null || c == "", d ==
null || d == "" ,
      e == null || e == "", f == null || f == "", g == null || g == "", h ==
null || h == "",
      i == null || i == "", j == null || j == ""){
    if (a == null || a == "") {
      alert("Please fill first name");
    }
    if (b == null || b == "") {
      alert("Please fill last name");
    }
    if (c == null || c == "") {
      alert("Please fill email");
    }
    if (d == null || d == "") {
      alert("Please fill password");
    }
    if (e == null || e == "") {
      alert("Please fill confirm password");
    }
    if (f == null || f == "") {
      alert("Please fill phone number");
    }
    if (g == null || g == "") {
      alert("Please fill city");
    }
    if (h == null || h == "") {
      alert("Please fill street");
    }
    if (i == null || i == "") {
      alert("Please fill zipcode");
    }
    if (j == null || j == "") {
      alert("Please fill gender");
    }
```

```php
      return false;
  }

  //check if password and confirm password
  //are the same
  if(d != e)
  {
    alert("Passwords don't match!");
    return false;
  }

  //check that user email is in a valid format
  var emailValid = /^([a-zA-Z0-9\._-]+)@([a-zA-Z0-9]+).([a-z]+)(.[a-z]+)?$/
  if(!emailValid.test(c))
  {
     alert("You have entered an invalid email address!");
     return false;
  }
   return true;
}
</script>
</head>
<body>
  <?php
     include "config-login.php";
     //$sql_query="SELECT l.city FROM location_details l";
     //$result = mysqli_query($con,$sql_query);
     $resultSet = $mysqli -> query("SELECT l.city FROM location_details l" );
  ?>

  <div class="container">

   <div class="header">
   <h1>Welcome to the Registration</h1>
   </div>

   <form name="form" action="showdata-signup.php" method="post" onsubmit="return
validateForm()"><!---->

    <label for="fname">First name: </label><br><br>
    <input type="text" id="fname" name="fname"><br><br>

    <label for="lname">Last name: </label><br><br>
    <input type="text" id="lname" name="lname"><br><br>
```

```html
<label for="email">Email: </label><br><br>
<input type="text" id="email" name="email"><br><br>

<label for="password">Password: </label><br><br>
<input type="password" id="password_1" name="password_1"><br><br>

<label for="password">Confirm password: </label><br><br>
<input type="password" id="password_2" name="password_2"><br><br>

<label for="gender">Gender</label><br>
<input type="radio" id="gender" name="gender" value="F">
<label for="gender">Female</label><br>
<input type="radio" id="gender" name="gender" value="M">
<label for="gender">Male</label><br>

<label for="city">City: </label><br><br>
<select id ="city" name = "city">
    <?php
      while($rows = $resultSet->fetch_assoc())
      {
          $city = $rows['city'];
          echo "<option value = '$city'>$city</option>";
      }
      ?>
</select>
<label for="street">Street: </label><br><br>
<input type="text" id="street" name="street"><br><br>

<label for="zipcode">Zipcode: </label><br><br>
<input type="text" id="zipcode" name="zipcode"><br><br>

<button type="submit" name="button">SUBMIT REGISTRATION</button><br><br>

<div><a href="signin.html" target="_blank" title="Login page"
class="linksInPage">Already have an account?
CLICK HERE</a>
 </div>

<div><a href="admin.html" target="_blank" title="Login page"
class="linksInPage">Admin?
CLICK HERE</a>
 </div>
</form>
</div>
</BODY>
```

```
</html>
```

The sign up in html gets data entered by user into variables and perfoms some validations.
Examples :making sure all fields are full and that email address is valid.

Sign up(php)

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

<?php
//This PHP script is responsible for creating a new user

//Initiate a database connection
include "config-login.php";

//Get username, email and password from registration form
$fname = mysqli_real_escape_string($con,$_POST['fname']);
$lname = mysqli_real_escape_string($con,$_POST['lname']);
$email = mysqli_real_escape_string($con,$_POST['email']);
$password_1 = mysqli_real_escape_string($con,$_POST['password_1']);
$gender = mysqli_real_escape_string($con,$_POST['gender']);
$city = mysqli_real_escape_string($con,$_POST['city']);
$zipcode = mysqli_real_escape_string($con,$_POST['zipcode']);
$street = mysqli_real_escape_string($con,$_POST['street']);

$_SESSION['fname']=$fname;
$_SESSION['lname']=$lname;
$_SESSION['email']=$email;
$_SESSION['password_1']=$password_1;
$_SESSION['gender']=$gender;
$_SESSION['city']=$city;
$_SESSION['zipcode']=$zipcode;
$_SESSION['street']=$street;

//Get the md5 of the entered password
$md5_password=md5($password_1);

//Check if the user is already registred
$sql_query1="SELECT * from customer where (email='$email')";
    $res1=mysqli_query($con,$sql_query1);
    if (mysqli_query($con, $sql_query1)) {
```

```php
        if (mysqli_num_rows($res1) > 0) {
          $row = mysqli_fetch_assoc($res1);
          if($email==isset($row['email']))
          {
            echo "
              <script type='text/javascript'>
              alert('Email already exists')
              </script>
            ";
          }
        }
        else {
            //Insert the user information in the database
            $sql_query2 = "INSERT INTO customer (fname, lname, email, password,
gender, city, street, zipcode)
            VALUES ('".$fname."','".$lname."','".$email."' ,'".$md5_password."',
'".$gender."', '".$city."', '".$street."', '".$zipcode."')";
             if (mysqli_query($con, $sql_query2)) {
               echo "New account created successfully<br/>";
               echo "<b>Welcome</b> "."$fname". "$lname";
             } else {
               echo "Error: " . $sql_query2 . "<br>" . mysqli_error($con);
             }
          }
       }
     else {
     echo "Error: " . $sql_query1 . "<br>" . mysqli_error($con);
     }
     // $city=$_POST['city'];
     // $resultSet = $mysqli -> query("SELECT branch_name FROM car_branch cb JOIN
location_details ld
     // On ld.location_id=cb.branch_location
     // WHERE ld.city='$city'");
?>
<div class="containerMiddle">
<form name="form_branch" action="signin.html" method="POST">
<!-- <label for="branch">Choose branch wanted: </label><br><br> -->
<!-- <select id ="branch" name = "branch"> -->

<?php

// while($rows = $resultSet->fetch_assoc())
// {
//  $branch = $rows['branch_name'];
// echo "<option value = '$branch'>$branch</option>";
```

```
// }

?>
</select>CLICK HERE TO CONTINUE
<input type="submit" name="savedataa" value="SUBMIT">
</form>
</div>
```

The sign up in php works on creating a new user and inserting their data on the data base.

Sign in (html)

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Mariam Login Web Page</title>
<link rel="stylesheet" href="mystyle.css">
<script type="text/javascript">
//validate the form rules
function validateForm() {
    //getting information entered by user in the forms
    //into variables
    var a = document.forms["form"]["email"].value;
    var b = document.forms["form"]["password"].value;

    //validation if any of the fields are empty
    if (a == null || a == "", b == null || b == "") {
      //check that confirm email not empty
      if (a == null || a == "")
        alert("Please fill email");
      //check that password not empty
      if (b == null || b == "")
        alert("Please fill password");
      return false;
    }

    //check that user email is in a valid format
    var emailValid = /^([a-zA-Z0-9\._-]+)@([a-zA-Z0-9]+).([a-z]+)(.[a-z]+)?$/
    if(!emailValid.test(a))
    {
        alert("You have entered an invalid email address!");
        return false;
    }
```

```
    return true;
  }
</script>

</head>
<body>

    <div class="container">
    <div class="header">
    <h1>Welcome Back!</h1>
    </div>

    <form name="form" action="search_reserve.php" method="post" onsubmit="return
validateForm()"><!--showdata-signin.php-->

<div class="containerMiddle">
    <label for="email">Email: </label><br><br>
    <input type="text" id="email" name="email"><br><br>

    <label for="password">Password: </label><br><br>
    <input type="password" id="password" name="password"><br><br>
</div>
<div class="container">
    <button type="submit"
name="button"formaction="search_reserve.php">LOGIN</button><br><br>
    <button type="submit" name="button" formaction="adminoptions.php">CLICK HERE
IF ADMIN</button><br><br>
</div>
    <div><a href="signup.php" target="_blank" title="Login page"
class="linksInPage">New user?
    CLICK HERE</a>
     </div>

    </form>
</div>
</BODY>
</html>
```

This html displays a form allowing the customers and the admin to sign in.

Sign in (php)

```
<head>
  <link rel="stylesheet" href="mystyle.css">
```

```php
</head>
<?php
//This PHP script is responsible for fetching
//user information from database for login purpose

//Initiate a database connection
include "config-login.php";

//Selecting the entered information by user from the database
$email=$_SESSION['email'];
$password=$_SESSION['password'];
$md5_password=md5($password);
$sql_query = "select * from customer where email='".$email."' and
password='".$md5_password."'";
$result = mysqli_query($con,$sql_query);
$row = mysqli_fetch_array($result);

//If user exist then redirect to his welcome user echo
if(!$row){
    echo "Invalid email or password.";
    exit();
}
    echo "<b>Welcome</b> ".$row['fname'].$row['lname'];
$city=$row['city'];
$resultSet = $mysqli -> query("SELECT branch_name FROM car_branch cb JOIN
location_details ld
On ld.location_id=cb.branch_location
WHERE ld.city='$city'");
?>
<div class="containerMiddle">
<form name="form_branch" action="car.php" method="POST"><!--car.php-->
<label for="branch">Choose branch: </label><br><br>
<select id ="branch" name = "branch" required>
<?php
while($rows = $resultSet->fetch_assoc())
{
 $branch = $rows['branch_name'];
echo "<option value = '$branch'>$branch</option>";
}
?>
</select>
<!-- <button type="submit" name="button">GO TO CARS</button><br><br> -->
<input type="submit" name="savedataa" value="SUBMIT">
</form>
</div>
```

The sign in php selects data entered by user through the database.

Giving the user the option to search for a car or reserve one:

<head>

  <link rel="stylesheet" href="mystyle.css">

</head>

<?PHP

include "config-login.php";

//Get user name and password from login form

$email = mysqli_real_escape_string($con,$_POST['email']);

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

$_SESSION['email']=$email;

$_SESSION['password']=$password;

//Get the md5 of the entered password

$md5_password=md5($password);

//Selecting the entered information by user from the database

$sql_query = "select * from customer where email='".$email."' and password='".$md5_password."'";

$result = mysqli_query($con,$sql_query);

$row = mysqli_fetch_array($result);

//If user exist then redirect to his welcome user echo

if(!$row){

   echo "Invalid email or password.";

```php
   exit();
}
?><head>
  <link rel="stylesheet" href="mystyle.css">
</head>
<a href="http://localhost/FinalProject/custsearch.html"><button type="button" name="searchbutton"
class="btn-btn-primary" >Search For A Car</button></a>
<br><br/>
<a href="http://localhost/FinalProject/showdata-signin.php"><button type="button"
name="reservebutton" class="btn-btn-primary" >Reserve A Car</button></a>
```

Retrieving data entered by user in signup:

```php
<head>
  <link rel="stylesheet" href="mystyle.css">
  </head>


<?php
//This PHP script is responsible for creating a new user


//Initiate a database connection
include "config-login.php";


//Get username, email and password from registration form
$fname = mysqli_real_escape_string($con,$_POST['fname']);

$lname = mysqli_real_escape_string($con,$_POST['lname']);

$email = mysqli_real_escape_string($con,$_POST['email']);

$password_1 = mysqli_real_escape_string($con,$_POST['password_1']);

$gender = mysqli_real_escape_string($con,$_POST['gender']);

$city = mysqli_real_escape_string($con,$_POST['city']);

$zipcode = mysqli_real_escape_string($con,$_POST['zipcode']);
```

```php
$street = mysqli_real_escape_string($con,$_POST['street']);


$_SESSION['fname']=$fname;

$_SESSION['lname']=$lname;

$_SESSION['email']=$email;

$_SESSION['password_1']=$password_1;

$_SESSION['gender']=$gender;

$_SESSION['city']=$city;

$_SESSION['zipcode']=$zipcode;

$_SESSION['street']=$street;


//Get the md5 of the entered password

$md5_password=md5($password_1);


//Check if the user is already registred

$sql_query1="SELECT * from customer where (email='$email')";
    $res1=mysqli_query($con,$sql_query1);
    if (mysqli_query($con, $sql_query1)) {
    if (mysqli_num_rows($res1) > 0) {
     $row = mysqli_fetch_assoc($res1);
     if($email==isset($row['email']))
     {
      echo "
        <script type='text/javascript'>
        alert('Email already exists')
        </script>
     ";
     }
    }
```

```php
    else {

    //Insert the user information in the database

    $sql_query2 = "INSERT INTO customer (fname, lname, email, password, gender, city, street,
zipcode)

    VALUES ('".$fname."','".$lname."','".$email."' ,'".$md5_password."', '".$gender."', '".$city."',
'".$street."', '".$zipcode."')";

    if (mysqli_query($con, $sql_query2)) {

     echo "New account created successfully<br/>";

     echo "<b>Welcome</b> "."$fname". "$lname";

    } else {

     echo "Error: " . $sql_query2 . "<br>" . mysqli_error($con);

    }

   }

                }

  else {

  echo "Error: " . $sql_query1 . "<br>" . mysqli_error($con);

  }

  // $city=$_POST['city'];

  // $resultSet = $mysqli -> query("SELECT branch_name FROM car_branch cb JOIN location_details ld

  // On ld.location_id=cb.branch_location

  // WHERE ld.city='$city'");

?>

<div class="containerMiddle">

<form name="form_branch" action="signin.html" method="POST">

<!-- <label for="branch">Choose branch wanted: </label><br><br> -->

<!-- <select id ="branch" name = "branch"> -->


<?php
```

```php
// while($rows = $resultSet->fetch_assoc())
// {
//   $branch = $rows['branch_name'];
// echo "<option value = '$branch'>$branch</option>";
// }


?>
```
</select>CLICK HERE TO CONTINUE

<input type="submit" name="savedataa" value="SUBMIT">

</form>

</div>

Retrieving data from user in siginin and checking validity and choosing branch the user wants

<head>
  <link rel="stylesheet" href="mystyle.css">
</head>
```php
<?php
//This PHP script is responsible for fetching
//user information from database for login purpose


//Initiate a database connection
include "config-login.php";


//Selecting the entered information by user from the database
$email=$_SESSION['email'];
$password=$_SESSION['password'];
$md5_password=md5($password);
$sql_query = "select * from customer where email='".$email."' and password='".$md5_password."'";
$result = mysqli_query($con,$sql_query);
$row = mysqli_fetch_array($result);
```

```php
//If user exist then redirect to his welcome user echo

if(!$row){

    echo "Invalid email or password.";

    exit();

}

    echo "<b>Welcome</b> ".$row['fname'].$row['lname'];

$city=$row['city'];

$resultSet = $mysqli -> query("SELECT branch_name FROM car_branch cb JOIN location_details ld

On ld.location_id=cb.branch_location

WHERE ld.city='$city'");

?>

<div class="containerMiddle">

<form name="form_branch" action="car.php" method="POST"><!--car.php-->

<label for="branch">Choose branch: </label><br><br>

<select id ="branch" name = "branch" required>

<?php

while($rows = $resultSet->fetch_assoc())

{

 $branch = $rows['branch_name'];

echo "<option value = '$branch'>$branch</option>";

}

?>

</select>

<!-- <button type="submit" name="button">GO TO CARS</button><br><br> -->

<input type="submit" name="savedataa" value="SUBMIT">

</form>

</div>
```

Showing car options to user to choose from and dates to choose

```php
<head>
  <link rel="stylesheet" href="mystyle.css">
</head>
<?php
//include 'config-login.php';


  if(isset($_POST['savedata'])){

    $payment_method = mysqli_real_escape_string($con,$_POST['payment_method']);

    $_SESSION['payment_method']=$payment_method;

  if(!empty($_POST['license_plate'])){

    $license_plate=$_POST['license_plate'];

    $_SESSION['license_plate']=$license_plate;

    $branch_name=$_SESSION['branch'];

    $resultSet = $mysqli -> query("SELECT c.* FROM  car c,car_branch cb WHERE

    and c.license_plate='$license_plate'");

}


if(!empty($_POST['return_date']) && !empty($_POST['pickup_date']) &&
!empty($_POST['payment_date']) ){

 $_SESSION['pickup_date']=$_POST['pickup_date'];

 $pickup_date=new DateTime($_POST['pickup_date']);

 $_SESSION['return_date']=$_POST['return_date'];

 $return_date=new DateTime($_POST['return_date']);

 $_SESSION['payment_date']=$_POST['payment_date'];

 $payment_date=new DateTime($_POST['payment_date']);


 $rent_interval=$return_date->diff($pickup_date);

 $_SESSION['rent_interval']=$rent_interval;
```

```php
  $late_interval=$payment_date->diff($pickup_date);

  $_SESSION['late_interval']=$late_interval;

}

else {

  echo "please enter the dates";

}

}

?>
```

```html
<head>

  <link rel="stylesheet" href="mystyle.css">

</head>

<div class="containerMiddle">

 <form name="form_rent" action="paymentt.php" method="POST">

<label for="model_name">Choose The Car: </label><br><br>
```

```php
<?php

include "config-login.php";

if(isset($_POST['savedataa'])){

  if(!empty($_POST['branch'])){

$branch=$_POST['branch'];

$_SESSION['branch']=$branch;

echo "$branch";

$resultSet = $mysqli -> query("SELECT c.* FROM car_branch cb JOIN car c

On c.branch_id=cb.branch_id

WHERE cb.branch_name='$branch'

and c.availability=true

 AND c.car_status='active'");

}
```

```php
    }

?>
<select id ="license_plate" name = "license_plate" size ="2" required>
  <optgroup label="Model Name Color Rental Price$/day">
<?php

while($rows = $resultSet->fetch_assoc())
{
  $license_plate=$rows['license_plate'];
  $model_name=$rows['model_name'];
  $color=$rows['color'];
  $rental_price=$rows['rental_price'];
  echo "<option value = '$license_plate'>$model_name $color $rental_price</option>";
}
?>
</optgroup>
</select>

  <label>Choose pickup date</label><br><br>
  <input type="date" id="pickup_date" name="pickup_date" required><br><br>

  <label>Choose return date</label><br><br>
  <input type="date" id="return_date" name="return_date" required><br><br>

  <label>Choose payment date</label><br><br>
  <input type="date" id="payment_date" name="payment_date" required><br><br>

  <label for="payment_method">Payment Method</label><br>
```

```html
<input type="radio" id="payment_method" name="payment_method" value="Cash">
<label for="payment_method">Cash</label><br>
<input type="radio" id="payment_method" name="payment_method" value="Visa">
<label for="payment_method">Visa</label><br>

<input type="submit" name="savedata" value="GO TO CAR OPTIONS">
</form>
</div>
```

Displaying invoice details including total and late fees

```html
<head>
  <link rel="stylesheet" href="mystyle.css">
</head>
<form method="post" action="logout.php">
 <?php
 include 'config-login.php';

  $license_plate=$_SESSION['license_plate'];
  $branch_name=$_SESSION['branch'];
  $rent_interval=$_SESSION['rent_interval'];
  echo "Rent Period".$rent_interval->days;
  $resultSet = $mysqli -> query("SELECT c.* FROM  car c
  where c.license_plate='$license_plate'");
  $rows = $resultSet->fetch_assoc();
  $rental_price=$rows['rental_price'];
  $model_name=$rows['model_name'];
  $color=$rows['color'];
  $normal_amount=($rent_interval->days)*$rental_price;
  $email=$_SESSION['email'];
```

```php
$resultSet = $mysqli -> query("SELECT c.customer_id FROM customer c

WHERE c.email='$email'");

$rows=$resultSet->fetch_assoc();

$customer_id=$rows['customer_id'];

$return_date=$_SESSION['return_date'];

$payment_date=$_SESSION['payment_date'];

$branch_name=$_SESSION['branch'];


$resultSet = $mysqli -> query("SELECT cb.branch_id FROM car_branch cb

WHERE cb.branch_name='$branch_name'");

$rows=$resultSet->fetch_assoc();

$branch_id=$rows['branch_id'];


$pickup_date=$_SESSION['pickup_date'];

$sql="INSERT INTO `booking_details`(`pickup_date`, `return_date`, `pickup_location`, `customer_id`, `license_plate`)

VALUES ('$pickup_date','$return_date','$branch_id','$customer_id','$license_plate')";

if ($con->query($sql) === TRUE) {

echo "New record inserted in reservations successfully <br><br>";


$sql = "UPDATE car c SET c.availability=false WHERE c.license_plate='$license_plate' ";


if ($con->query($sql) === TRUE) {

echo "Car availability updated successfully <br><br>";



$resultSet = $mysqli -> query("SELECT bd.reservation_id FROM booking_details bd

WHERE bd.license_plate='$license_plate' and bd.customer_id='$customer_id'");

$rows=$resultSet->fetch_assoc();
```

```php
$reservation_id=$rows['reservation_id'];


$late_interval=$_SESSION['late_interval'];

$late_fees=($late_interval->days)*$rental_price*0.25;

$total_amount=$normal_amount+$late_fees;


$_SESSION['total_amount']=$total_amount;

$payment_method=$_SESSION['payment_method'];

$sql="INSERT INTO `invoice_details`(`payment_date`, `late_fees`, `payment_method`,
`normal_amount`, `total_amount`, `reservation_id`)

VALUES
('$payment_date','$late_fees','$payment_method','$normal_amount','$total_amount','$reservation_id'
)";


if ($con->query($sql) === TRUE) {

echo "New record inserted in invoice successfully <br><br>";


echo "<label>Your Chosen Car is $model_name</label><br><br>";

echo "<label>Color: $color</label><br><br>";

echo "<label>License Plate: $license_plate</label><br><br>";

echo "<label>Rental price: $rental_price</label><br><br>";

echo "<label>Renting period: $rent_interval->days </label><br><br>";

echo "<label>Total price without late fees = $normal_amount</label><br><br>";

echo "<label>Late fees = $late_fees</label><br><br>";

echo "<label>Total price including late fees = $total_amount</label><br><br>";

echo "<button  type='submit' name='logout' formaction='logout.php'>Log Out</button>";

} else {

echo "Error: " . $sql . "<br>" . $con->error;

}

} else {
```

```php
    echo "Error: " . $sql . "<br>" . $con->error;

    }

    } else {

    echo "Error: " . $sql . "<br>" . $con->error;

    }

    ?>
```

</form>

<u>When the user wants to search using car specs</u>

```html
<head>

  <link rel="stylesheet" href="mystyle.css">

</head>

<form action="custsearch.php" method="post">

 <label for="model_name">Model name: </label><br><br>

 <input type="text" id="model_name" name="model_name" required><br><br>


 <label for="color">Color: </label><br><br>

 <input type="text" id="color" name="color" required><br><br>


 <label for="man_year">Manufacturing Year: </label><br><br>

 <input type="number" id="man_year" name="man_year" required><br><br>


 <label for="rent_price">Maximum Rental Price: </label><br><br>

 <input type="number" id="rent_price" name="rent_price" required><br><br>


 <label for="branch">Branch: </label><br><br>

 <input type="text" id="branch" name="branch" required><br><br>


<input type="submit" name="beginsearch" value="Search">
```

```php
</form>
<head>
  <link rel="stylesheet" href="mystyle.css">
</head>
<?php
include "config-login.php";

 if(isset($_POST['beginsearch']))
 {
   $model_name=mysqli_real_escape_string($con,$_POST['model_name']);
   $color=mysqli_real_escape_string($con,$_POST['color']);
   $man_year=mysqli_real_escape_string($con,$_POST['man_year']);
   $rent_price=mysqli_real_escape_string($con,$_POST['rent_price']);
   $branch=mysqli_real_escape_string($con,$_POST['branch']);



   $resultSet = $mysqli -> query("SELECT b.* FROM car_branch as b where b.branch_name='$branch'");
   $rows = $resultSet->fetch_assoc();
   $branch_id=$rows['branch_id'];


  $sql= "SELECT c.* FROM car as c where c.model_name='$model_name' and c.color='$color' AND
c.manufacturing_year='$man_year'
   AND c.rental_price <= '$rent_price' AND c.branch_id='$branch_id' AND c.availability=true and
c.car_status='active'";



   $result=mysqli_query($con,$sql);
   if (mysqli_num_rows($result) > 0)
   {
```

```php
    echo "<form action='logout.php'>";

    echo "<table border=\"2\"><tr><th>Model Name</th><th>Color</th><th>Manufacturing
Year</th><th>Rental Price per day</th><th>Branch</th></tr>";


    while($row = $result->fetch_assoc()) {

     $license_plate=$row['license_plate'];

     $_SESSION['license_plate']=$license_plate;


     echo "<tr class='clickable' onclick=\"window.location='custsearchpaymentt.php'\">

     <td>".$row["model_name"]."</td><td>".$row["color"]."</td>

     <td>".$row["manufacturing_year"]."</td><td>".$row["rental_price"]."</td>

     <td>".$branch."</tr>";

    }

    echo "</table>";

    echo "Click On The Desired Car To Reserve";

    echo "<button  type='submit' name='logout' formaction='logout.php'>Log Out</button>";

    echo "</form>";

   } else {

    echo "Car Not Available";


   }}
?>
```

User chooses the period of rent if he searched on car by car specs

```php
<head>
  <link rel="stylesheet" href="mystyle.css">
</head>
<?php
include "config-login.php";
if(isset($_POST['savedata'])){
```

```php
    $payment_method = mysqli_real_escape_string($con,$_POST['payment_method']);

    $_SESSION['payment_method']=$payment_method;

    $branch_name=$_SESSION['branch'];

    $license_plate=$_SESSION['license_plate'];

    $resultSet = $mysqli -> query("SELECT c.* FROM  car c,car_branch cb WHERE

    and c.license_plate='$license_plate'");



if(!empty($_POST['return_date']) && !empty($_POST['pickup_date']) &&
!empty($_POST['payment_date']) ){

 $_SESSION['pickup_date']=$_POST['pickup_date'];

 $pickup_date=new DateTime($_POST['pickup_date']);

 $_SESSION['return_date']=$_POST['return_date'];

 $return_date=new DateTime($_POST['return_date']);

 $_SESSION['payment_date']=$_POST['payment_date'];

 $payment_date=new DateTime($_POST['payment_date']);


 $rent_interval=$return_date->diff($pickup_date);

 $_SESSION['rent_interval']=$rent_interval;


 $late_interval=$payment_date->diff($pickup_date);

 $_SESSION['late_interval']=$late_interval;

}
else {

 echo "please enter the dates";

}

}

?>

<html>
```

```html
<head>
  <link rel="stylesheet" href="mystyle.css">
</head>
<div class="containerMiddle">
 <form name="form_rent" action="paymentt.php" method="POST">
  <label>Choose pickup date</label><br><br>
  <input type="date" id="pickup_date" name="pickup_date"><br><br>


  <label>Choose return date</label><br><br>
  <input type="date" id="return_date" name="return_date"><br><br>


  <label>Choose payment date</label><br><br>
  <input type="date" id="payment_date" name="payment_date"><br><br>


  <label for="payment_method">Payment Method</label><br>
  <input type="radio" id="payment_method" name="payment_method" value="Cash">
  <label for="payment_method">Cash</label><br>
  <input type="radio" id="payment_method" name="payment_method" value="Visa">
  <label for="payment_method">Visa</label><br>


  <input type="submit" name="savedata" value="GO TO CAR OPTIONS">
</form>
</div>
</html>
```

Admin portal:

Admin options php:

```php
<?PHP
include 'config-login.php';
if(!empty($_POST['email'])&&!empty($_POST['password'])){
$emailAdmin=$_POST['email'];
$emailAdminWanted="m123@yahoo.com";
$passwordAdmin=$_POST['password'];
$passwordAdminWanted="m123";
if(strcmp($emailAdmin,$emailAdminWanted)){
    exit("INVALID EMAIL");
  if(strcmp($passwordAdmin,$passwordAdminWanted)){
 exit("INVALID PASSWORD");
  }
}
}

?>
<!DOCTYPE html>
<html>
    <head>
<title>Welcome back!<br>Please choose the function you want to perform.</title>
<link rel="stylesheet" href="mystyle.css">
    </head>
    <body>
<form name="myForm"  method="post">

<button type="submit" class="button" value="Add car"  formaction = "addcar.php"
name = "Add car">Add car</button><br>
<br>
<br>
<button type="submit" class="button" value="Update a car" formaction =
"licenceplate.php" name = "Update a car">Update a car</button><br>
<br>
<br>
<button type="submit" class="button" value="View reservations" formaction =
"view.php" name = "View reservations">View reservations</button><br>
<br>
<br>
<button type="submit" class="button" value="Search by customer" formaction =
"takecustid.php" name = "Search by customer">Search by customer</button><br>
<br>
<br>
<button type="submit" class="button" value="Search by Car" formaction =
"takecarlicense.php" name = "Search by car">Search by car</button><br>
<br>
<br>
```

```
<button type="submit" class="button" value="Search by date" formaction =
"takereservationdate.php" name = "Search by date">Search by reservation
date</button><br>
<br>
<br>
<button type="submit" class="button" value="Reports" formaction =
"adminreports.html" name = "Reports">View Reports</button><br>
<br>
<br>


</form>
    </body>
</html>
```

When the admin logs in a from containing all the authorized actions he can perform is displayed

The possible options are:

- Add car

- Update car

- View reservations

- Search by customer

- Search by car

- Search by date

- Reports

Add car:

```php
<?php
include "config-login.php";

if(isset($_POST['model_id'], $_POST['model_name'], $_POST['branch_id'],
$_POST['car_status'], $_POST['license_plate'], $_POST['manufacturing_year'],
$_POST['rental_price']))
```

```php
{
$model_id = mysqli_real_escape_string($con,$_POST['model_id']);
$model_name = mysqli_real_escape_string($con,$_POST['model_name']);
$branch_id = mysqli_real_escape_string($con,$_POST['branch_id']);
$car_status = mysqli_real_escape_string($con,$_POST['car_status']);
$license_plate = mysqli_real_escape_string($con,$_POST['license_plate']);
$manufacturing_year =
mysqli_real_escape_string($con,$_POST['manufacturing_year']);
$rental_price = mysqli_real_escape_string($con,$_POST['rental_price']);

$sql = "INSERT INTO car (model_id, model_name, branch_id, car_status,
license_plate, manufacturing_year, rental_price)
        VALUES ('".$model_id."','".$model_name."','".$branch_id."',
'".$car_status."', '".$license_plate."','".$manufacturing_year."',
'".$rental_price."' );";
        if (mysqli_query($con, $sql)) {
            echo "New car added successfully<br/>";

        } else {
         echo "Error: " . $sql . "<br>" . mysqli_error($con);
        }
}

?>
<!DOCTYPE html>
<html>
    <head>
<title>Enter new car specipications </title>
<link rel="stylesheet" href="mystyle.css">
    </head>
    <body>
<form name="myForm"  method="post">
<label class="labels"><b>Model Id:</b></label><br>
<input type="text" name="model_id" id="model_id">
<br>
<br>
<label class="labels"><b>Model name:</b></label> <br>
<input type="text" name="model_name" id="model_name">
<br>
<br>
<label class="labels"><b>Branch Id:</b></label> <br>
<input type="text" name="branch_id" id="branch_id">
<br>
<br>
<label class="labels"><b>Car status:</b></label> <br>
```

```
<input type="text" name="car_status" id="car_status">
<br>
<br>
<label class="labels"><b>License plate:</b></label> <br>
<input type="text" name="license_plate" id="license_plate">
<br>
<br>
<label class="labels"><b>Manufacturing year:</b></label> <br>
<input type="text" name="manufacturing_year" id="manufacturing_year">
<br>
<br>
<label class="labels"><b>Rental price:</b></label> <br>
<input type="text" name="rental_price" id="rental_price">
<br>
<br>
<button type="submit" name="button">ADD CAR</button><br><br>
<button type="submit" class="button" value="logout" formaction = "logout.php"
name = "logout">Log out </button><br>
<br>
<br>


</form>
    </body>
</html>
```

- This form takes model_id, model_name, branch_id, car_status, license_plate, manufacturing_year, rental_price from the admin which are the car table attributes and inserts them into the database.

Update car php:

```
<?php
include "config-login.php";

if(isset($_POST['license_check']))
{
$model_name = mysqli_real_escape_string($con,$_POST['model_name']);
$branch_id = mysqli_real_escape_string($con,$_POST['branch_id']);
$car_status = mysqli_real_escape_string($con,$_POST['car_status']);
$manufacturing_year =
mysqli_real_escape_string($con,$_POST['manufacturing_year']);
$rental_price = mysqli_real_escape_string($con,$_POST['rental_price']);

$license_plate = mysqli_real_escape_string($con,$_POST['license_check']);
```

```php
$sql_update = "UPDATE car SET  model_name = '$model_name' , branch_id =
'$branch_id' , car_status ='$car_status' ,
manufacturing_year = '$manufacturing_year', rental_price= '$rental_price' WHERE
license_plate = '$license_plate'";


        if ($con->query($sql_update)===TRUE) {
            echo "Car updated successfully !<br/>";

         } else {
          echo "Error: " . $sql_update . "<br>" . mysqli_error($con);
         }



}
?>
```

This takes all the attributes of the car table from the admin to be inserted into the database including the values he wants to update and inserts them into the database.

Html part:

```html
<!DOCTYPE html>
<html>

<title>License plate </title>
<link rel="stylesheet" href="mystyle.css">
    </head>
    <body>
<form name="license_check"  action = "editcar.php" method="post">
<label class="labels"><b>Enter the lincense plate of the car you want to
update:</b></label><br>
<input type="text" name="license_check" id="license_check">
<br>
<br>


<title>Enter new car specifications </title>

<label class="labels"><b>Model name:</b></label> <br>
<input type="text" name="model_name" id="model_name">
<br>
```

```html
<br>
<label class="labels"><b>Branch id:</b></label> <br>
<input type="text" name="branch_id" id="branch_id">
<br>
<br>
<label class="labels"><b>Car status:</b></label> <br>
<input type="text" name="car_status" id="car_status">
<br>
<br>
<label class="labels"><b>License plate:</b></label> <br>
<input type="text" name="license_plate" id="license_plate">
<br>
<br>
<label class="labels"><b>Manufacturing year:</b></label> <br>
<input type="text" name="manufacturing_year" id="manufacturing_year">
<br>
<br>
<label class="labels"><b>Rental price:</b></label> <br>
<input type="text" name="rental_price" id="rental_price">
<br>
<br>
<button type="submit" name="button">EDIT CAR</button><br><br>

<button type="submit" class="button" value="logout" formaction = "logout.php"
name = "logout">Log out </button><br>
<br>
<br>


</form>
    </body>
</html>
```

View reservations:

```php
<?php
include "config-login.php";
$view = "SELECT b.reservation_id, c.fname, c.lname,  b.reservation_date,
b.pickup_date, b.return_date, b.pickup_location, ca.model_name, b.license_plate
FROM booking_details b NATURAL JOIN car ca NATURAL JOIN customer c";
    echo $view;
    $result=mysqli_query($con,$view);
    if (mysqli_num_rows($result) > 0) {
      echo "<table border=\"2\"><tr><th>Reservation id</th><th>First
name</th><th>Last name</th><th>Reservation date</th><th>Pickup
date</th><th>Return date</th><th>Pickup location</th><th>Model
name</th><th>License plate</th></tr>";
```

```
      // output data of each row
      while($row = $result->fetch_assoc()) {
        echo "<tr class='clickable' onclick=\"window.location='search.html'\">
        <td>".$row["reservation_id"]."</td><td>".$row["fname"]."</td>
        <td>".$row["lname"]."</td><td>".$row["reservation_date"]."</td>
        <td>".$row["pickup_date"]."</td><td>".$row["return_date"]."</td>
        <td>".$row["pickup_location"]."</td><td>".$row["model_name"]."</td>
        <td>".$row["license_plate"]."</td></tr>";
      }
      echo "</table>";
    } else {
      echo "0 results";
    }
?>
```

This displays a table on the request of the admin showing the tuples from the booking_details table which contains all the reservation details, and used join on customer and car table to display name of customer that performed the reservation and used join on car table to get the license plate of the reserved car.

Search by customer:

```
<?php
include "config-login.php";


 if(isset($_POST['id_check']))
 {
    $customer_email = mysqli_real_escape_string($con,$_POST['id_check']);


    $sql = "SELECT b.reservation_id, c.fname, c.lname,  b.reservation_date,
b.pickup_date, b.return_date, b.pickup_location, ca.model_name, b.license_plate
    FROM booking_details b NATURAL JOIN car ca NATURAL JOIN customer c WHERE
c.email = '$customer_email'";
        if (mysqli_query($con, $sql)) {
            echo "Found";

        } else {
          echo "Error: " . $sql . "<br>" . mysqli_error($con);
        }

    echo $sql;
    $result=mysqli_query($con,$sql);
    if (mysqli_num_rows($result) > 0)
    {
```

```php
        echo "<table border=\"2\"><tr><th>Reservation id</th><th>First
name</th><th>Last name</th><th>Reservation date</th><th>Pickup
date</th><th>Return date</th><th>Pickup location</th><th>Model
name</th><th>License plate</th></tr>";
        // output data of each row
        while($row = $result->fetch_assoc()) {
          echo "<tr class='clickable' onclick=\"window.location='search.html'\">
          <td>".$row["reservation_id"]."</td><td>".$row["fname"]."</td>
          <td>".$row["lname"]."</td><td>".$row["reservation_date"]."</td>
          <td>".$row["pickup_date"]."</td><td>".$row["return_date"]."</td>
          <td>".$row["pickup_location"]."</td><td>".$row["model_name"]."</td>
          <td>".$row["license_plate"]."</td></tr>";
        }
        echo "</table>";
    } else {
        echo "0 results";

    }}
?>
```

This displays a table to the admin that contains the reservation and information of the customer who performed a reservation.

Search by car:

<u>Html part to take license plate:</u>

```html
<!DOCTYPE html>
<html>
    <head>
<title>License plate </title>
<link rel="stylesheet" href="mystyle.css">
    </head>
    <body>
<form name="license_check"  action = "searchbycar.php" method="post">
<label class="labels"><b>Enter license plate:</b></label><br>
<input type="text" name="plate_check" id="plate_check">
<br>
<br>
<button type="submit" name="button">Proceed</button><br><br>

</form>
    </body>
</html>
```

PHP part:

```php
<?php
include "config-login.php";


 if(isset($_POST['plate_check']))
 {
    $plate = mysqli_real_escape_string($con,$_POST['plate_check']);


    $sql = "SELECT b.reservation_id, b.reservation_date, b.pickup_date,
b.return_date, b.pickup_location, ca.model_name, b.license_plate
    FROM booking_details b NATURAL JOIN car ca WHERE b.license_plate = '$plate'";
        if (mysqli_query($con, $sql)) {
            echo "Found";

         } else {
          echo "Error: " . $sql . "<br>" . mysqli_error($con);
         }

    echo $sql;
    $result=mysqli_query($con,$sql);
    if (mysqli_num_rows($result) > 0)
    {
      echo "<table border=\"2\"><tr><th>Reservation id</th><th>Reservation
date</th><th>Pickup date</th><th>Return date</th><th>Pickup
location</th><th>Model name</th><th>License plate</th></tr>";
      // output data of each row
      while($row = $result->fetch_assoc()) {
        echo "<tr class='clickable' onclick=\"window.location='search.html'\">
        <td>".$row["reservation_id"]."</td><td>".$row["reservation_date"]."</td>
        <td>".$row["pickup_date"]."</td><td>".$row["return_date"]."</td>
        <td>".$row["pickup_location"]."</td><td>".$row["model_name"]."</td>
        <td>".$row["license_plate"]."</tr>";
      }
      echo "</table>";
    } else {
      echo "0 results";

    }}
?>
```