

DataBase Final Project Report

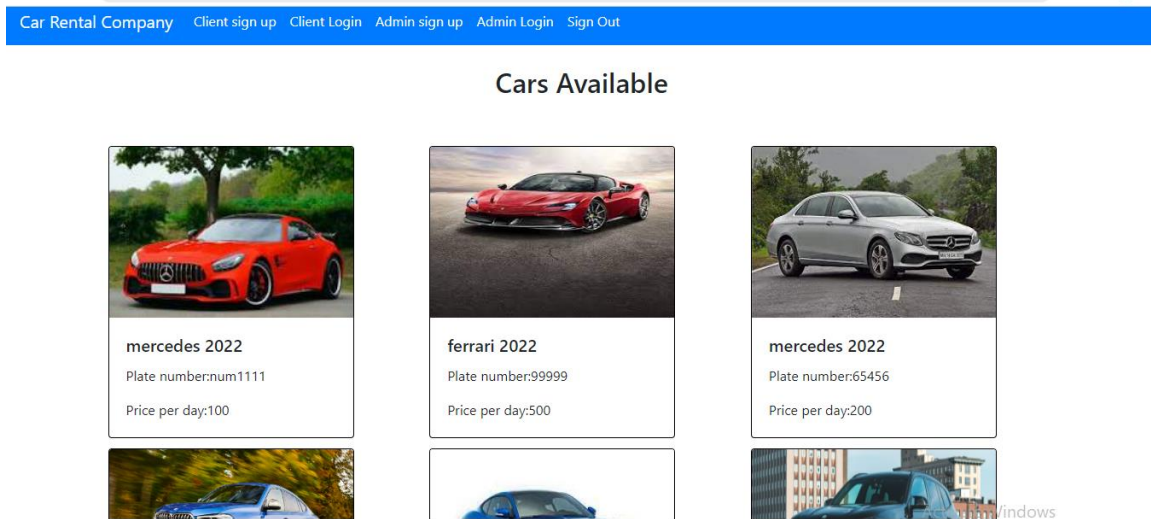
Car Rental Project

Mohab Ayman : 7127

Mazen Ahmed :6896

Adham aboulkheir 6710

Index page

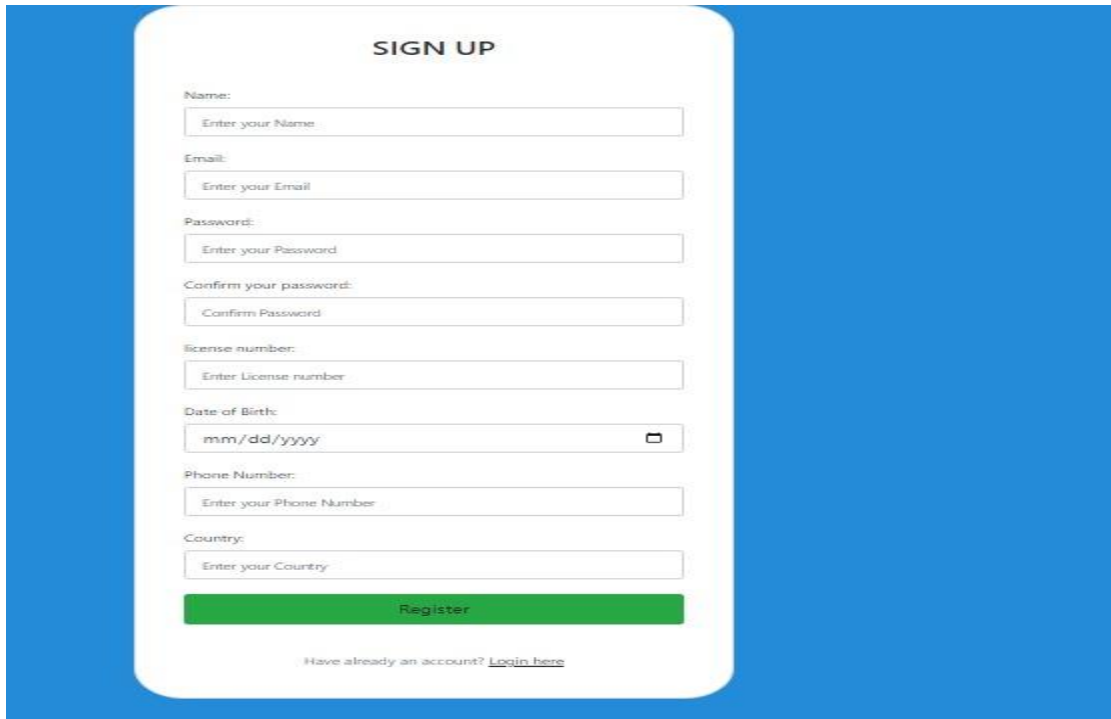


Index page to choose whether the user is going to log in as an admin or as a user or if he'll signup creating a new account. File name index.php

Client Signup

If client signup is chosen we are redirected to the client_signup.php page

Where a new client can signup for our website



A user registration form titled "SIGN UP" is centered on a blue background. The form is contained within a white rounded rectangle. It includes input fields for Name, Email, Password, Confirm your password, license number, Date of Birth (with a date picker icon), Phone Number, and Country. A green "Register" button is at the bottom, followed by a link "Have already an account? [Login here](#)".

SIGN UP


Name:

Email:

Password:

Confirm your password:

license number:

Date of Birth:
 

Phone Number:

Country:

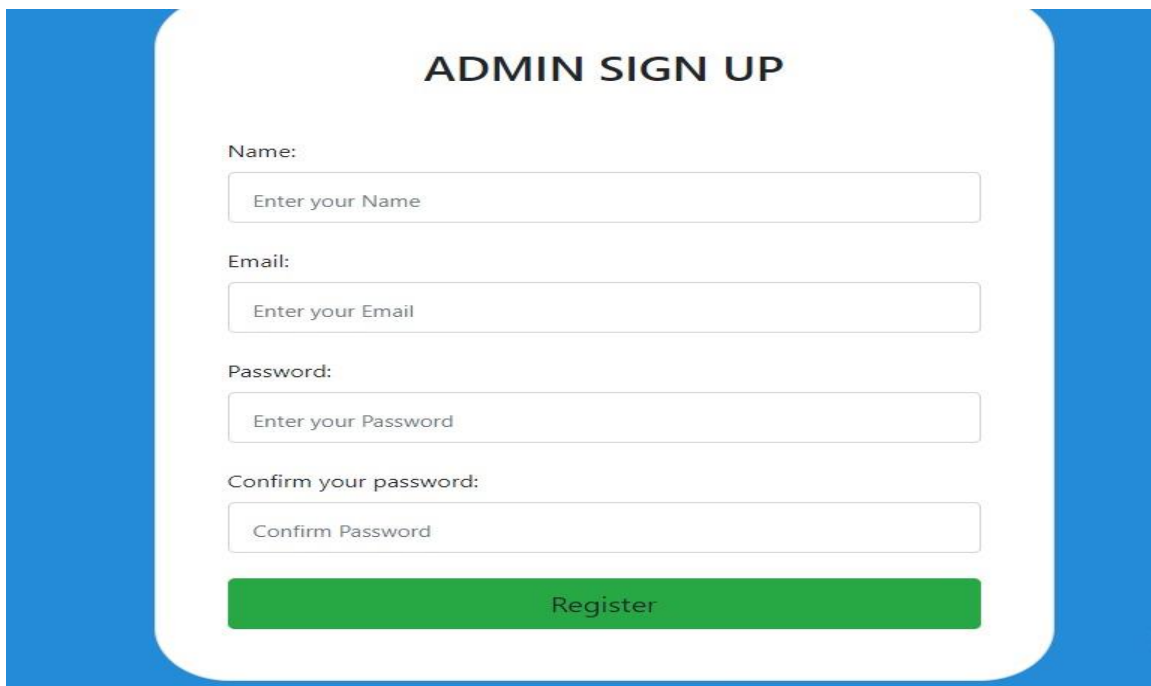
Register

Have already an account? [Login here](#)

Admin Signup

If admin signup is chosen we are redirected to the admin_signup.php page

Where a new admin can be registered for our website



An admin registration form titled "ADMIN SIGN UP" is centered on a blue background. The form is contained within a white rounded rectangle. It includes input fields for Name, Email, Password, and Confirm your password. A green "Register" button is at the bottom.

ADMIN SIGN UP

Name:

Email:

Password:

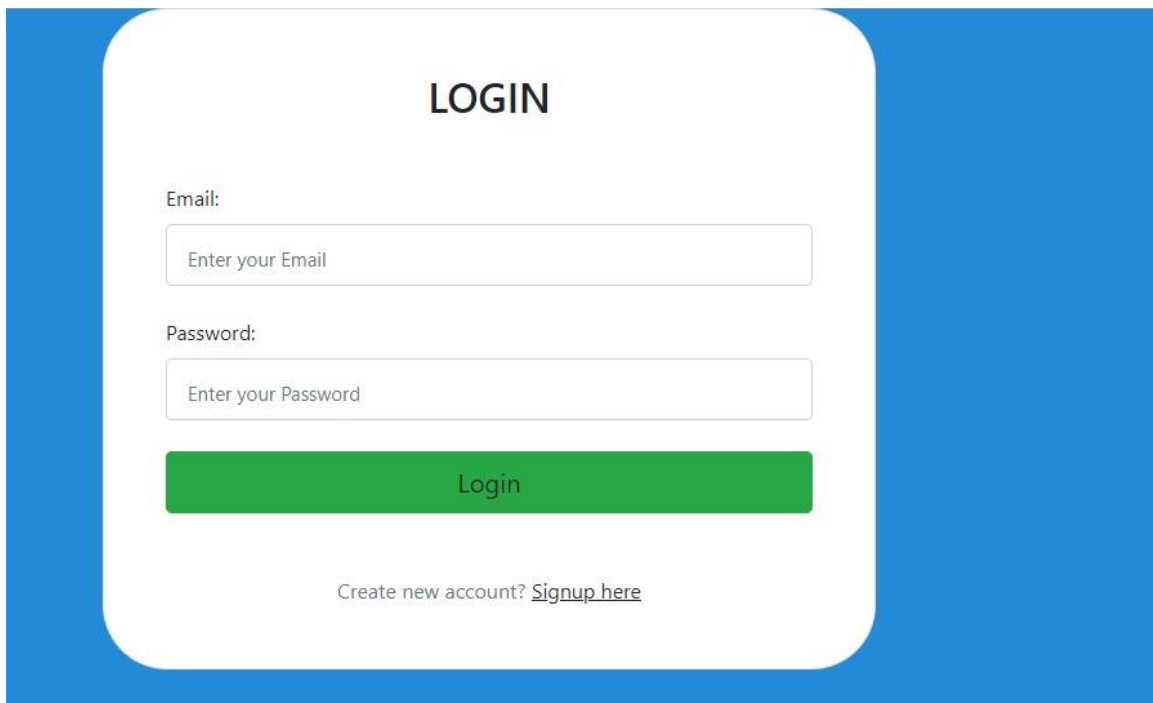
Confirm your password:

Register

Client Login

If client Login is chosen we are redirected to the client_login.php page

Where the client login data will be compared to data in the database and if the account is found the client is guranteed access

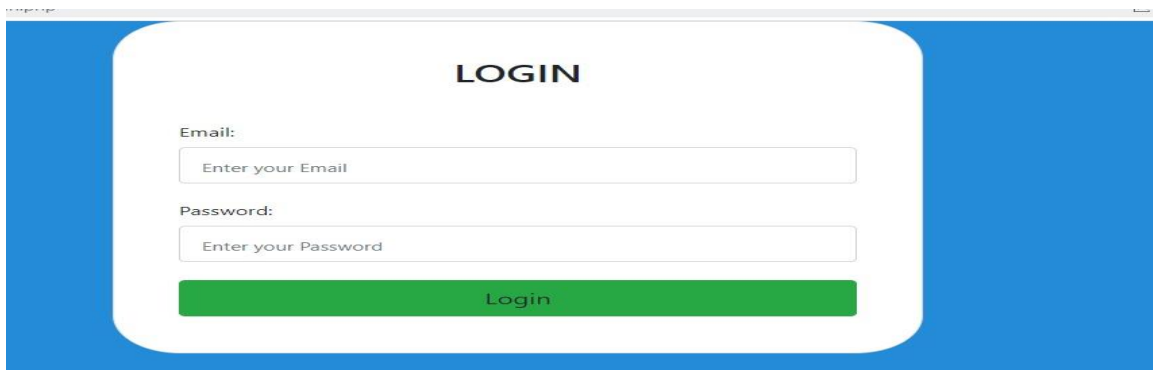


A screenshot of a web application's client login page. The page has a blue background with a white rounded rectangle in the center. Inside the rectangle, the word "LOGIN" is centered at the top. Below it, there are two input fields: "Email:" and "Password:". Each field has a placeholder text "Enter your Email" and "Enter your Password" respectively. Below the password field is a green button labeled "Login". At the bottom of the white rectangle, there is a link that says "Create new account? [Signup here](#)".

Admin Login

If admin Login is chosen we are redirected to the admin_login.php page

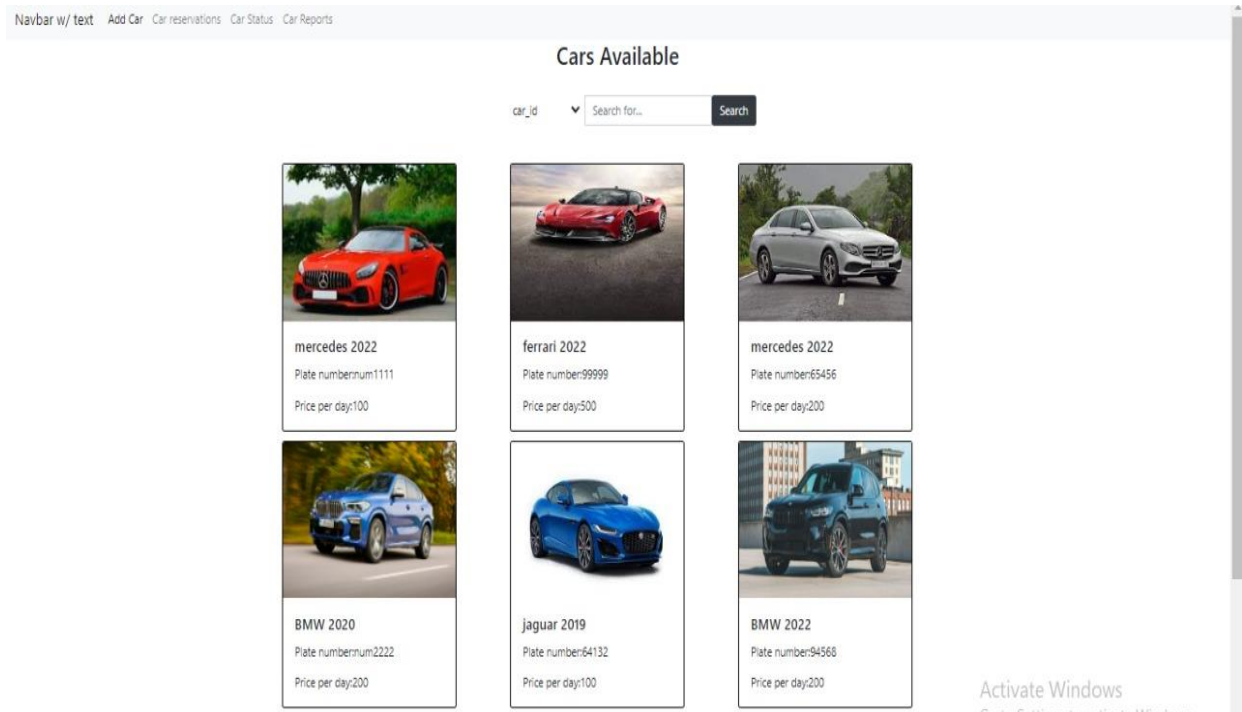
Where the admin login data will be compared to data in the database and if the account is found theadmin is guranteed access



A screenshot of a web application's admin login page. The page has a blue background with a white rounded rectangle in the center. Inside the rectangle, the word "LOGIN" is centered at the top. Below it, there are two input fields: "Email:" and "Password:". Each field has a placeholder text "Enter your Email" and "Enter your Password" respectively. Below the password field is a green button labeled "Login".

AdminPage

After the Admin is granted login he is redirected to admin_index.php



```
<?php

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "car_rental";
$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die('Connection Failed' . mysqli_connect_error());
}

$check = "SELECT * FROM car ";
$result = mysqli_query($conn, $check);
while ($row = mysqli_fetch_assoc($result)) {
    displaycar($row['plate_num'], $row['price'], $row['brand'], $row['car_year'], $row['image']);
}
```

This is the code snippet for viewing all the available cars we use the function displaycar to display the cars in the given cards

The admin can see all the cars that the office has and he can search using any of the car information or client information or reservation dates to view specific cars.

```

$dbname = "car_rental";
$conn = mysqli_connect($servername, $username, $pass, $dbname);
if (!$conn) {
    die('Connection Failed' . mysqli_connect_error());
}
if (isset($_GET['attribute']) && isset($_GET['searchval2'])) {
    $attribute = $_GET['attribute'];
    $value = $_GET['searchval2'];

    $query6 = "SELECT * FROM car as c
    left join reservation as r on r.cid=c.car_id
    left join client as cl on r.client_id=cl.client_id
    WHERE $attribute='$value' ";
    $result1 = mysqli_query($conn, $query6);
    if (mysqli_num_rows($result1) > 0) {
        while ($row = mysqli_fetch_assoc($result1)) {
            displayinfo($row['reserve_id'], $row['car_id'], $row['client_id'],
            $row['pickupDate'], $row['returnDate'], $row['totalPrice'], $row['Pickedup'],
            $row['Returned'], $row['Paid'], $row['reservDate'],
            $row['plate_num'], $row['price'], $row['brand'],
            $row['car_year'], $row['type'], $row['rented'], $row['active'],
            $row['outofservice'], $row['office_id'], $row['image'], $row['clientname'],
            $row['email'], $row['license_num'], $row['DOB'], $row['phonenumber'], $row['country']);
        }
    } else {
        echo "No results found.";
    }
}

```

This code snippet is used to search using the criteria the user chooses it is located in the searchadmin.php

There is a navigation bar in which the admin can choose the button car reservations to be directed into admin_reserv.php

localhost/car_rental/admin_reserv.php

Navbar w/ text Add Car Car reservations Pricing

Cars reservations

reserve_id	car_id	client_id	pickdate	returndate	totalprice	pickedup	returned	paid	resevedate
58	1	2	2022-12-01	2022-12-08	700	1 Pickup	1 return	1	2022-12-28
59	2	2	2022-12-01	2022-12-08	1400	0 Pickup	0 return	1	2022-12-28
60	1	2	2022-12-15	2022-12-22	700	1 Pickup	1 return	1	2022-12-28
61	4	2	2023-01-17	2023-01-24	3500	0 Pickup	0 return	1	2022-12-29

```

$check = "SELECT * FROM reservation ";
$result = mysqli_query($conn, $check);
while ($row = mysqli_fetch_assoc($result)) {
    displayreservation($row['reserve_id'], $row['cid'], $row['client_id'], $row['pickupDate'], $row['returnDate'], $row['totalPrice'], $row['Pickedup'], $row['car_id']);
}
if (isset($_GET['res_id'])) {
    $resid = $_GET['res_id'];
    $pay=$_GET['paid'];
    if($pay==1)
    {
        $query5 = "UPDATE reservation SET Pickedup =1 where reserve_id=$resid";
        $result1 = mysqli_query($conn, $query5);
        echo"<script>
alert('Car pickedup successfully');
window.location.href='http://localhost/car_rental/admin_reserv.php';
</script>";
    }
    else{
        echo"<script>
alert('reservation unpaid');
window.location.href='http://localhost/car_rental/admin_reserv.php';
</script>";
    }
}
}

```

Activate Windows
Go to Settings to activate Windows.

```

if (isset($_GET['res_id2'])) {
    $resid1 = $_GET['res_id2'];
    $pay1=$_GET['paid2'];
    $pick=$_GET['pick'];
    $car=$_GET['car'];
    if($pay1==1&&$pick==1)
    {
        $query00 = "UPDATE reservation SET Returned =1 where reserve_id=$resid1";
        $result1 = mysqli_query($conn, $query00);
        $query001 = "UPDATE car SET rented =0 where car_id=$car";
        $result001 = mysqli_query($conn, $query001);
        echo"<script>
alert('Car returned successfully');
window.location.href='http://localhost/car_rental/admin_reserv.php';
</script>";
    }
    else if($pay1==0){
        echo"<script>
alert('reservation unpaid');
window.location.href='http://localhost/car_rental/admin_reserv.php';
</script>";
    }
    else if($pick==0){
        echo"<script>
alert('car unpicked');
window.location.href='http://localhost/car_rental/admin_reserv.php';
</script>";
    }
}

```

Reservation id, Client Id, car Id, also the dates of reservation, pickup and return and the status of payment, and the admin can set the status of the car being picked up or returned.

If the admin chooses the car status button we are redirected into carstatus.php where we can see whether the car is active or out of service

car_id	plate_num	price	brand	car_year	type	rented	active	outofservice	office_id
1	num1111	100	mercedes	2022	sedan	0	0 active	1 outservice	1
2	num2222	200	BMW	2020	SUV	1	1 active	0 outservice	1
3	12345	200	bugatti	2021	sport	0	1 active	0 outservice	1
4	99999	500	ferrari	2022	sport	1	1 active	0 outservice	1
5	64132	100	jaguar	2019	sport	0	1 active	0 outservice	1
6	15926	300	rolls royce	2020	luxury	0	1 active	0 outservice	1
7	65456	200	mercedes	2022	luxury	0	1 active	0 outservice	1
8	94568	200	BMW	2022	SUV	0	1 active	0 outservice	1

```
$check = "SELECT * FROM car ";
$result = mysqli_query($conn, $check);
while ($row = mysqli_fetch_assoc($result)) {
    displayreservation($row['car_id'], $row['plate_num'], $row['price'], $row['brand'], $row['car_year'],
        $row['type'], $row['rented'], $row['active'], $row['outofservice'], $row['office_id']);
}
if (isset($_GET['carid'])) {
    $carid = $_GET['carid'];

    $query5 = "UPDATE car SET active=1,outofservice=0 where car_id=$carid";
    $result1 = mysqli_query($conn, $query5);
    echo"<script>
alert('Car is active!');
window.location.href='http://localhost/car_rental/carstatus.php';
</script>";
}

if (isset($_GET['carid2'])) {
    $carid2 = $_GET['carid2'];

    $query4 = "UPDATE car SET active=0,outofservice=1 where car_id=$carid2";
    $result1 = mysqli_query($conn, $query4);
    echo"<script>
alert('Car is out of service');
window.location.href='http://localhost/car_rental/carstatus.php';
</script>";
}
```

If the add car is selected we are redirected into the car_register.php where the admin can add new cars to the office

REGISTER NEW CAR

Car Brand:

year:

plate number:

Car type:

Price per day:

office id:

Select image: No file chosen

```

}
if(isset($_POST["submit2"]))
{
    $brand=$_POST["brand"];
    $year=$_POST["year"];
    $platenum=$_POST["plate"];
    $type=$_POST["type"];
    $price=$_POST["price"];
    $office_id=$_POST["office"];
    $image=$_POST["img"];



    $check="SELECT * FROM car WHERE plate_num='$platenum'";
    $result=mysqli_query($conn,$check);
    if(mysqli_num_rows($result)>0)
    {
        echo"<script> alert('car already exists');
        window.location.href='http://localhost/car_rental/car_register.php';
        </script>";
    }
    else{// brand car_year plate_num type price office_id image
        $query="INSERT INTO car (brand,car_year,plate_num,type,price,office_id,image) VALUES ('$brand','$year','$platenum','$type','$price','$office_id','$image)";
        $res1=mysqli_query($conn,$query);
        echo"<script>
        alert('New car entered');
        window.location.href='http://localhost/car_rental/admin_index.php';
        </script>";
    }
}

```

the Admin can choose the car reports button to get any of the 5 reports that we can generate

Report1

All Reservations within a specified period

Start date:  End date: 



```
if (!$conn) {
    die('Connection Failed' . mysqli_connect_error());
}

$rep1start=$_SESSION['report1start'];
$rep1end=$_SESSION['report1end'];

$query6 = "SELECT * FROM car as c
left join reservation as r on r.cid=c.car_id
left join client as cl on r.client_id=cl.client_id
WHERE reservDate between '$rep1start' AND '$rep1end'";
$result1 = mysqli_query($conn, $query6);
if (mysqli_num_rows($result1) > 0) {
    while ($row = mysqli_fetch_assoc($result1)) {
        displayinfo($row['reserve_id'],$row['car_id'],$row['client_id'],
        $row['pickupDate'],$row['returnDate'],$row['totalPrice'],$row['Pickedup'],
        $row['Returned'],$row['Paid'],$row['reservDate'],
        $row['plate_num'], $row['price'], $row['brand'],
        $row['car_year'],$row['type'],$row['rented'],$row['active'],
        $row['outofservice'],$row['office_id'], $row['image'],$row['clientname'],
        $row['email'],$row['license_num'],$row['DOB'],$row['phonenumber'],$row['country']);
    }
} else {
    echo "No results found.";
}
```

Report2

reservations of specefic car in specific period.

Car id: Start date:  End date: 

```
<div class="container">
<div class="card-columns" style="column-width: 20rem;">
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "car_rental";
$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die('Connection Failed' . mysqli_connect_error());
}
if (isset($_GET['attribute']) && isset($_GET['searchval'])) {
    $attribute = $_GET['attribute'];
    $value = $_GET['searchval'];

    $query5 = "SELECT * FROM car WHERE $attribute='$value' ";
    $result1 = mysqli_query($conn, $query5);
    if (mysqli_num_rows($result1) > 0) {
        while ($row = mysqli_fetch_assoc($result1)) {
            displaycar($row['car_id'], $row['plate_num'], $row['price'], $row['brand'], $row['car_year'], $row['image']);
        }
    }
} else {
    echo "No results found.";
}
}
```

```
        $row['car_year'],
        $row['type'],
        $row['rented'],
        $row['active'],
        $row['outofservice'],
        $row['office_id'],
        $row['image']
    );
}
```

Report3

Status of all cars in a specified day

Select a day:

mm/dd/yyyy

Submit

```
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "car_rental";
$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die('Connection Failed' . mysqli_connect_error());
}
$day = $_SESSION['report3day'];

$query_payment = " SELECT carid,status,rented FROM car_status join car on carid=car_id where '$day' BETWEEN start_date AND end_date or ('$day'>=start_date and end_date='0000-00-00') ";
$result4 = mysqli_query($conn, $query_payment);

while ($row = mysqli_fetch_assoc($result4)) {
    displayreservation(
        $row['carid'],
        $row['status'],
        $row['rented']
    );
}
```

```
car on carid=car_id where '$day' BETWEEN start_date AND end_date or ('$day'>=start_date and end_date='0000-00-00') ";
```

Report 4

Reservations of specific client

Client id:

Submit

```

<?php

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "car_rental";
$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die('Connection Failed' . mysqli_connect_error());
}

$clientid=$_SESSION['report4'];

$query_client=" SELECT reserve_id,client_id,clientname,email,license_num,DOB,phonenum,country,plate_num,type
FROM reservation as r natural join client join car on car_id=cid where r.client_id = '$clientid' ";
$result4=mysqli_query($conn,$query_client);

while ($row = mysqli_fetch_assoc($result4)) {
    displayreservation($row['reserve_id'], $row['client_id'], $row['clientname'], $row['email'], $row['license_num'],
    $row['DOB'], $row['phonenum'], $row['country'], $row['plate_num'], $row['type']);
}

```

Report 5

Daily payments within specific period

Start date: End date:

```

<?php

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "car_rental";
$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die('Connection Failed' . mysqli_connect_error());
}

$start = $_SESSION['report5start'];
$end = $_SESSION['report5end'];

$query_payment = " SELECT * FROM payment where payment_date BETWEEN '$start' AND '$end' ORDER BY payment_date ASC ";
$result4 = mysqli_query($conn, $query_payment);
$last="";

while ($row = mysqli_fetch_assoc($result4)) {
    if($last!=$row['payment_date'])
    {
        displayreservation("New day","", "", "");
    }
    $last=$row['payment_date'];
    displayreservation(
        $row['payment_id'],
        $row['reserve_id'],
        $row['totalPrice'],
        $row['payment_date']
    );
}


```

If the client login is successful the client is redirected to car_reserve.php


Where he is required to enter the pickup and return date of the reservation he would like to acquire.

RESERVE CAR

Pickup Date:



Return Date:



Register

Following the entry of both dates the available cars in this timespan are shown


Cars Available for rent

Brand ▾

Search for...

Search

2022-12-142022-12-21




BMW 2020

Plate number:num2222

Price per day:200

Rent now




ferrari 2022

Plate number:99999

Price per day:500

Rent now



mercedes 2022

Plate number:65456

Price per day:200

Rent now

Activate Windows
Go to Settings to activate Windows.

You can use the search bar to find specific cars

Which redirects us to the searchclient.php

```


<div class="container ">
  <div class="card-columns" style="column-width: 28rem;">
    <?php
      $servername = "localhost";
      $username = "root";
      $pass = "";
      $dbname = "car_rental";
      $conn = mysqli_connect($servername, $username, $pass, $dbname);
      if (!$conn) {
        die('Connection Failed' . mysqli_connect_error());
      }
      if (isset($_GET['attribute']) && isset($_GET['searchval'])) {
        $attribute = $_GET['attribute'];
        $value = $_GET['searchval'];

        $query5 = "SELECT * FROM car WHERE $attribute='$value' ";
        $result1 = mysqli_query($conn, $query5);
        if (mysqli_num_rows($result1) > 0) {
          while ($row = mysqli_fetch_assoc($result1)) {
            displaycar($row['car_id'], $row['plate_num'], $row['price'], $row['brand'], $row['car_year'], $row['image']);
          }
        }
      } else {
        echo "No results found.";
      }
    }
  </div>
</div>

```

Example of searching for Ferrari cars available

Cars Available for rent after search

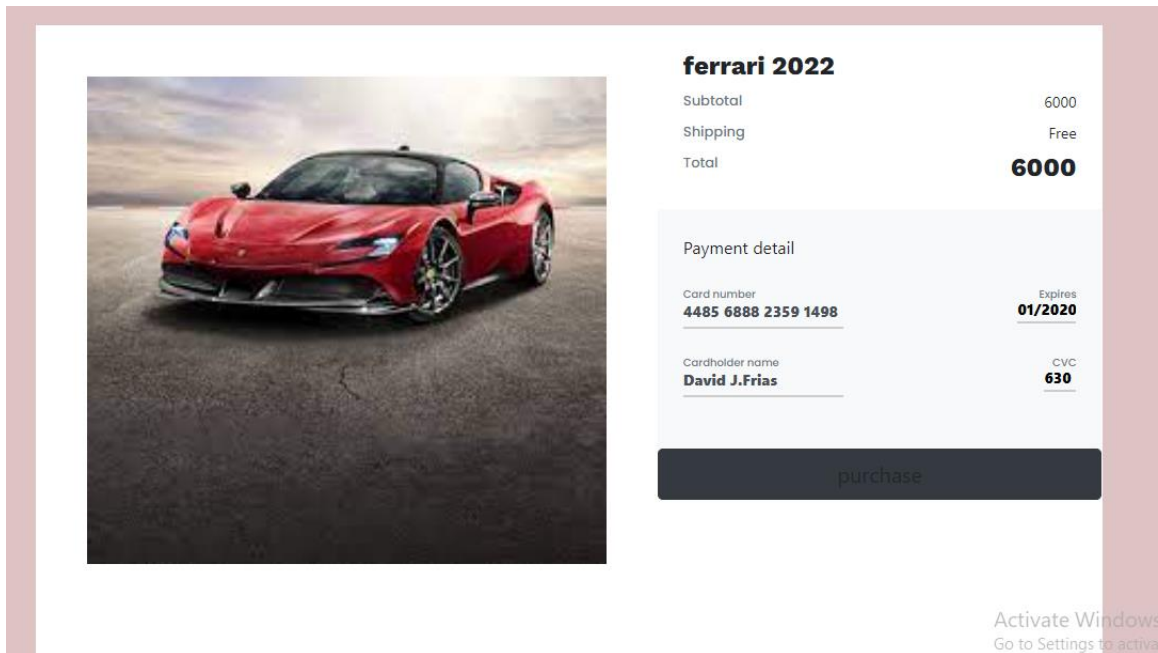


ferrari 2022

Plate number:99999

Price per day:500

[Rent now](#)



The client is redirected to the payment.php to pay his transaction

```
$reserv_id = $_SESSION['reser_id'];

if(isset($_POST["purchase"]))
{
$query1 = "INSERT INTO payment (reserve_id,totalPrice) VALUES ('$reserv_id','$totalprice')";
$result = mysqli_query($conn, $query1);
$query2="UPDATE reservation SET Paid=1 where reserve_id=$reserv_id";
$res2=mysqli_query($conn,$query2);
echo"<script>
alert('payment done successfully');
window.location.href='http://localhost/car_rental/reserve_car.php';
</script>";
}
```

ERD

