

Database Final Project

Car Rental System

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ID : 7161

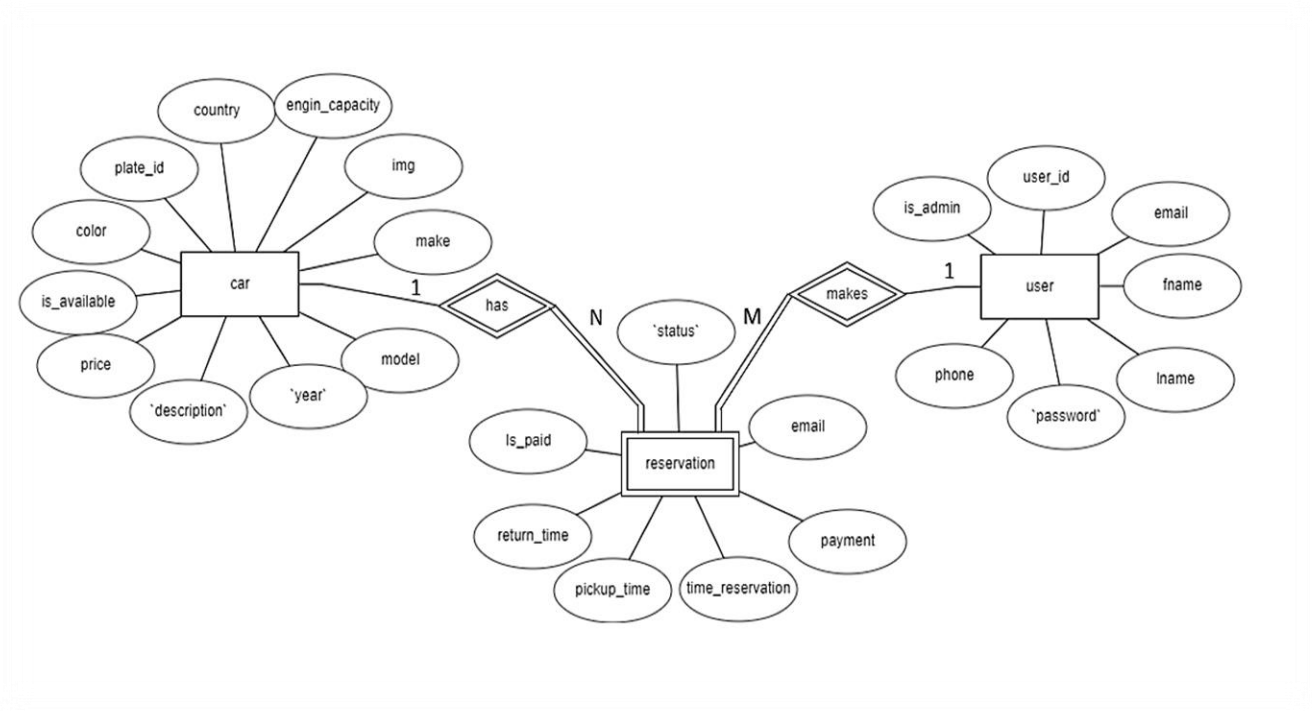
3-Name: Salma Mohamed Hasan Ibrahim Barakat

ID : 6845

4-Name: Rowan Samy Gamal El-Din Aly El-Rabeaa

ID : 6733

1-ER Diagram :



2-Mapping the er diagram results in the following tables:

1- user

| <u>user_id</u> | <u>email</u> | fname | lname | `password` | phone | is_admin |
|----------------|--------------|-------|-------|------------|-------|----------|
|----------------|--------------|-------|-------|------------|-------|----------|

2- reservation

| <u>plate_id</u> | <u>user_id</u> | <u>email</u> | payment | time_reservation | pickup_time | return_time | Is_paid | `status` |
|-----------------|----------------|--------------|---------|------------------|-------------|-------------|---------|----------|
|-----------------|----------------|--------------|---------|------------------|-------------|-------------|---------|----------|

3- car

| <u>plate_id</u> | make | model | `year` | `description` | price | is_available | color | country | engin_capacity | img |
|-----------------|------|-------|--------|---------------|-------|--------------|-------|---------|----------------|-----|
|-----------------|------|-------|--------|---------------|-------|--------------|-------|---------|----------------|-----|

3- Creating database in php my admin after adding DDL and DML

| Table | Action | Rows | Type | Collation | Size | Overhead |
|--------------------------------------|---|------|--------|--------------------|----------|----------|
| <input type="checkbox"/> car | ★ Browse Structure Search Insert Empty Drop | 7 | InnoDB | utf8mb4_0900_ai_ci | 16.0 KiB | - |
| <input type="checkbox"/> reservation | ★ Browse Structure Search Insert Empty Drop | 7 | InnoDB | utf8mb4_0900_ai_ci | 16.0 KiB | - |
| <input type="checkbox"/> user | ★ Browse Structure Search Insert Empty Drop | 7 | InnoDB | utf8mb4_0900_ai_ci | 32.0 KiB | - |
| 3 tables | Sum | 21 | InnoDB | utf8mb4_0900_ai_ci | 64.0 KiB | 0 B |

➤ car

| | plate_id | make | model | year | description | price | is_available | color | country | engin_capacity | img |
|---|----------|-------------|----------|------|---|-------|--------------------|----------|-------------|----------------|---|
| <input type="checkbox"/> Edit Copy Delete | 123 | Fiat | Mini SUV | 2020 | It is a nice SUV Car | 900.5 | Available for rent | Grey | Italy | 1600 CC | https://cdn.motor1.com/images/mgl/PO9Y4/s3/fiat-36... |
| <input type="checkbox"/> Edit Copy Delete | 456 | Mercedes | Sedan | 2022 | A huge family car which is practical for trips | 5000 | Out of Service | White | Germany | 1496 CC | https://images.unsplash.com/photo-1546518071-fddcd... |
| <input type="checkbox"/> Edit Copy Delete | 567 | Lamborghini | Huracan | 2021 | It is a luxurious car | 8000 | Available for rent | Gold | Egypt | 6498 CC | https://images.unsplash.com/photo-1578656415093-e7... |
| <input type="checkbox"/> Edit Copy Delete | 901 | Toyota | Corolla | 2017 | A car where limitless fun meets ultimate performan... | 2000 | Available for rent | Silver | Japan | 1598 CC | https://toyota.com.eg/storage/17011/CORO1811-1001... |
| <input type="checkbox"/> Edit Copy Delete | 911 | Porsche | Boxter | 2019 | It is a comfortable car | 3000 | Out of Service | Black | Canada | 1000 CC | https://images.unsplash.com/photo-1503376780353-7e... |
| <input type="checkbox"/> Edit Copy Delete | 921 | Hyundai | Elantra | 2013 | Practical car for work and duty | 4000 | Available for rent | Burgandy | South Korea | 1493 CC | https://tdresearch.azureedge.net/photos/chrome/Ex... |
| <input type="checkbox"/> Edit Copy Delete | 6606 | Chevrolet | Optra | 2015 | Practical and elegant | 950.5 | Available for rent | Blue | U.S | 1500 CC | https://www.chevroletarabia.com/content/dam/chevro... |

➤ reservation

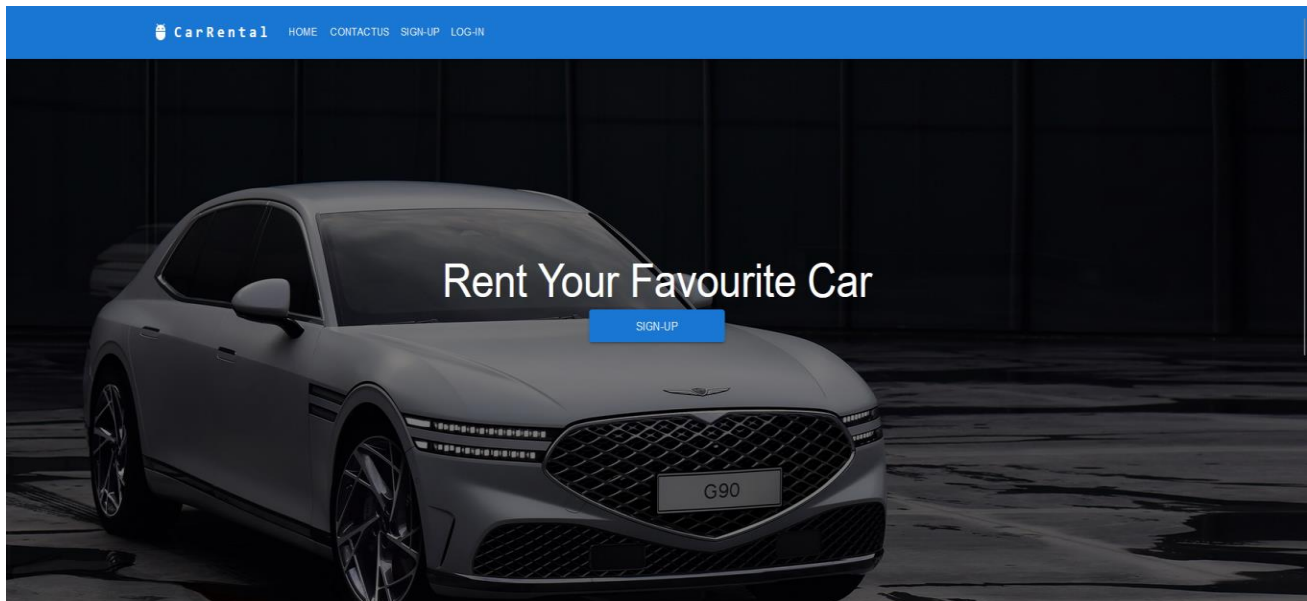
| | plate_id | user_id | email | payment | time_reservation | pickup_time | return_time | is_paid | status |
|---|----------|---------|--------------------------|---------|------------------|-------------|-------------|---------|----------|
| <input type="checkbox"/> Edit Copy Delete | 123 | 2 | younnaahmed@gmail.com | NULL | 2022-04-03 | 2022-09-10 | 2023-10-10 | 0 | reserved |
| <input type="checkbox"/> Edit Copy Delete | 456 | 5 | nadasaid@gmail.com | NULL | 2022-03-03 | 2022-03-10 | 2022-04-10 | 0 | reserved |
| <input type="checkbox"/> Edit Copy Delete | 567 | 3 | nourhanmohamed@gmail.com | NULL | 2019-05-22 | 2019-08-24 | 2019-12-23 | 0 | reserved |
| <input type="checkbox"/> Edit Copy Delete | 901 | 6 | mariamsalama@gmail.com | NULL | 2019-05-22 | 2019-05-24 | 2019-07-23 | 0 | reserved |
| <input type="checkbox"/> Edit Copy Delete | 911 | 4 | salmabarakat@gmail.com | VISA | 2020-06-10 | 2020-06-20 | 2020-08-25 | 1 | reserved |
| <input type="checkbox"/> Edit Copy Delete | 921 | 7 | yasminahmed@gmail.com | NULL | 2019-05-25 | 2019-08-24 | 2019-12-25 | 0 | reserved |
| <input type="checkbox"/> Edit Copy Delete | 6606 | 4 | salmabarakat@gmail.com | VISA | 2020-06-10 | 2020-06-20 | 2020-07-25 | 1 | reserved |

➤ user








| | user_id | email | fname | lname | password | phone | is_admin |
|---|---------|--------------------------|---------|---------|----------------------------------|----------------|----------|
| <input type="checkbox"/> Edit Copy Delete | 6 | mariamsalama@gmail.com | Mariam | Salama | d937fa3c3c831e4fd9b29c485abaa8b0 | 01568936009 | 0 |
| <input type="checkbox"/> Edit Copy Delete | 5 | nadasaid@gmail.com | Nada | Said | 417b5660c80cf66f93c674b66f09e208 | 01236782099 | 0 |
| <input type="checkbox"/> Edit Copy Delete | 3 | nourhanmohamed@gmail.com | Nourhan | Mohamed | 803d217a53160134cff472bbfb23a32f | 015095672891 | 0 |
| <input type="checkbox"/> Edit Copy Delete | 1 | rowansamy@gmail.com | Rowan | Samy | 1b142484ba9664073af827f4f9d30332 | 01062888126 | 1 |
| <input type="checkbox"/> Edit Copy Delete | 4 | salmabarakat@gmail.com | Salma | Barakat | fc8869424e7f70897c41799eb81d0c20 | 01056830916792 | 0 |
| <input type="checkbox"/> Edit Copy Delete | 7 | yasminahmed@gmail.com | yasmin | ahmed | 3b2d8947d68c718313f576554d78af46 | 01967490823 | 0 |
| <input type="checkbox"/> Edit Copy Delete | 2 | younnaahmed@gmail.com | Younna | Ahmed | 0bbd557bef01cb2f6423eec89c3df824 | 01148710934 | 0 |

4- Our website pages

➤ Home page



Some of our cars

| | | | |
|--|---|--|---|
|  <p>Fiat Mini SUV , 2020 900.5 L.E It is a nice SUV Car</p> |  <p>Mercedes Sedan , 2022 5,000 L.E A huge family car which is practical for trips</p> |  <p>Lamborghini Huracan , 2021 8,000 L.E It is a luxurious car</p> |  <p>Toyota Corolla , 2017 2,000 L.E A car where limitless fun meets ultimate performance</p> |
|  <p>Porsche Boxter , 2019 3,000 L.E It is a comfortable car</p> |  <p>Hyundai Elantra , 2013 4,000 L.E Practical car for work and duty</p> |  <p>Chevrolet Optra , 2015 950.5 L.E Practical and elegant</p> | |

It views some of the cars on the website in the shape of cards each has an image of the car, its price, make, model, year as well as the description of the car and its status.


It has the navigation bar that can redirect to the following pages:

- 1.Contact us
- 2.Help
- 3.sign up

➤ Car Information Page

If any card from the above page was selected it will display the following page:

Porsche Boxter 300000



| | |
|----------------|-------------------------|
| property | Avaliability |
| plate_id | 911 |
| make | Porsche |
| model | Boxter |
| year | 2019 |
| description | It is a comfortable car |
| price | 300000 |
| car_status | Availbale for rent |
| is_available | Outof Service |
| color | Black |
| origin | Canada |
| engin_capacity | 1000 CC |

[LOGIN FIRST](#)

1. It displays the car's information which are:

- plate_id
- make
- model
- year
- description
- price
- car_status
- is_available
- color
- origin
- engin_copacity

2. Website surfer cannot reserve the car at this stage because he is still not logged in, the button “login first” would redirect the user to the login page.

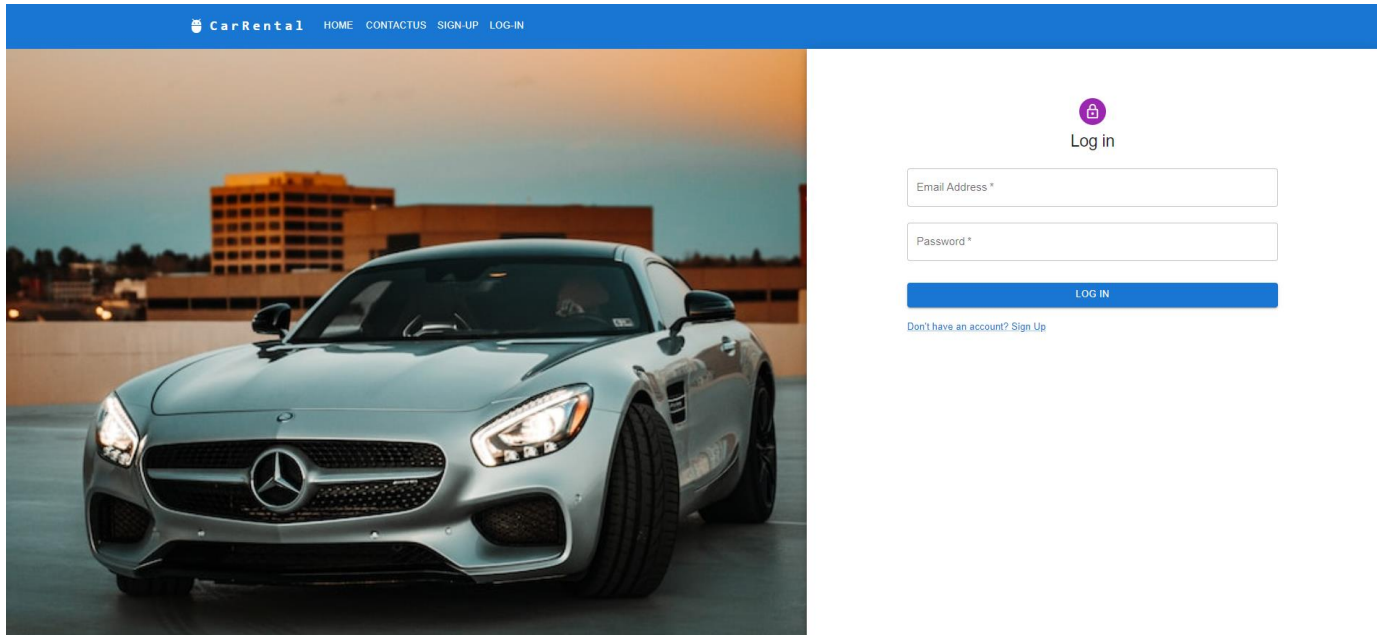
The status could be one of the following options:

1.**Reserved** : which indicates that the car is requested by a client but no payment took place yet.

2.**Rented**: which indicates that the car is reserved by a customer, and he paid for it.

3.**Available for rent**: if it is neither of the previous 2 options.

➤ login page



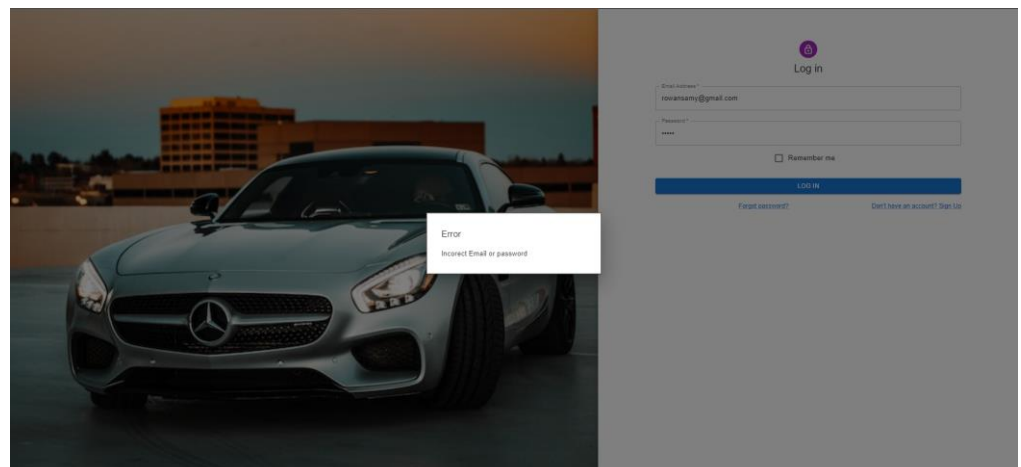
This page enables users and the admin to login to their account.

The user enters his email and password and on clicking log in button it would be validated that the data exists in database.

If the entered data is correct :

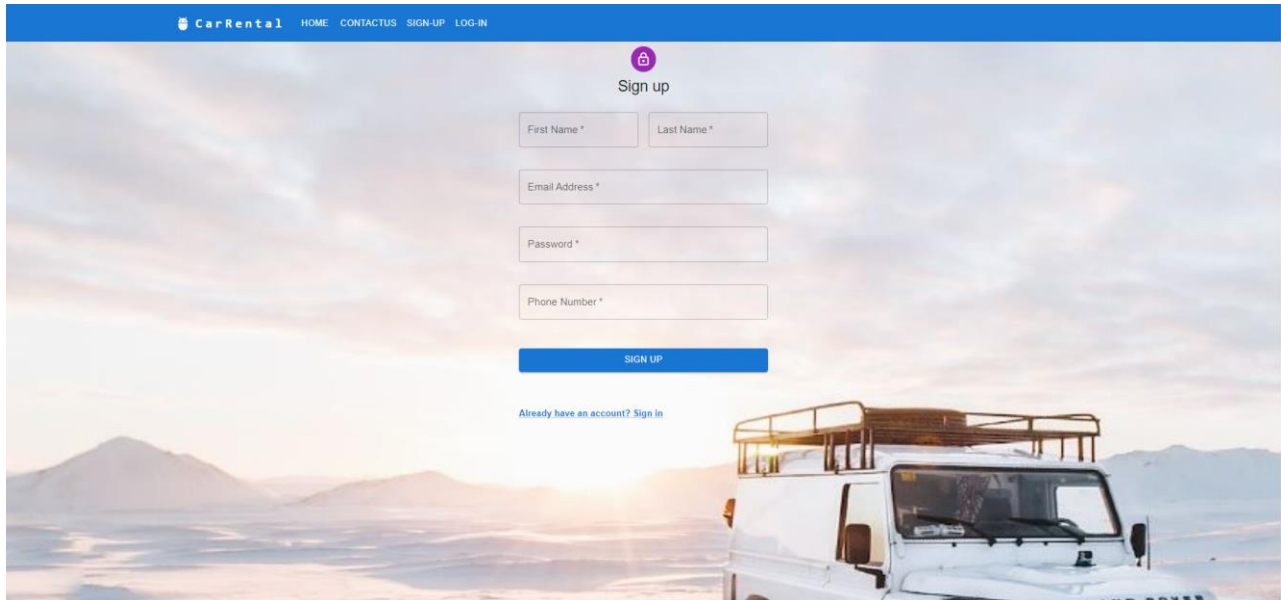
the `is_admin` field is checked in the database if this field is equal to zero then it is a customer and he would be directed to **customer search page**, but if the value was one then he would be directed to **admin home page**.

- Alert appears if entered email or password are incorrect



➤ User pages

1-Sign up

The image shows a web browser window displaying the 'Sign up' page for a 'Car Rental' system. The page has a blue header with the logo and navigation links: HOME, CONTACTUS, SIGN-UP, and LOG-IN. The main content area features a light blue background with a scenic image of a white van parked in a desert landscape at sunset. The 'Sign up' form is centered and includes the following fields: 'First Name *', 'Last Name *', 'Email Address *', 'Password *', and 'Phone Number *'. A blue 'SIGN UP' button is located below the form. At the bottom of the form, there is a link that says 'Already have an account? Sign in'.

This page is used to register a new user and cannot be used to add a new admin, because the default value in database for is_admin is to be false and there is only one admin for the system which is added in database directly.

- To create a new account the following fields are required:

1-First name

2-Last name

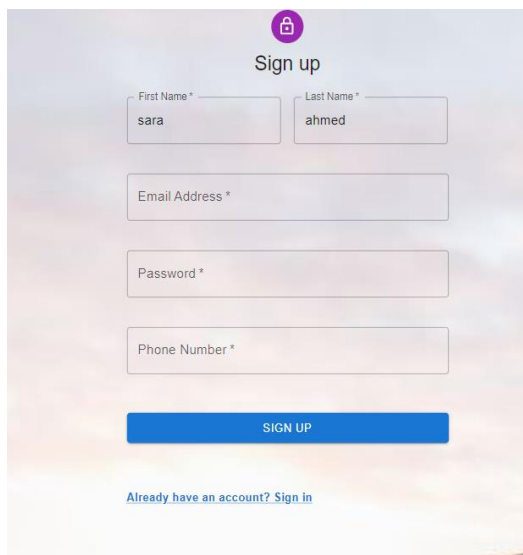
3-Email

4-Password

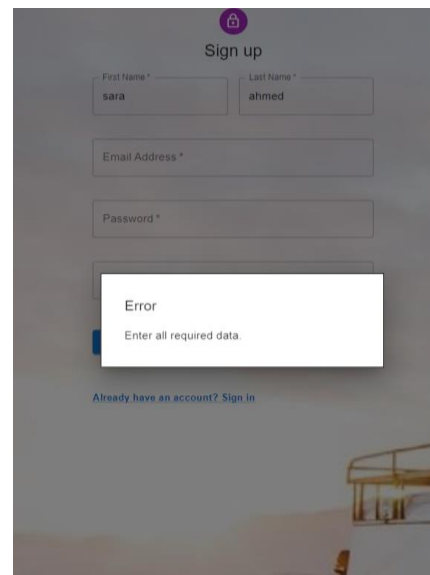
5-Phone number

- on clicking on sign up button:

1. It would be validated that all data fields are filled

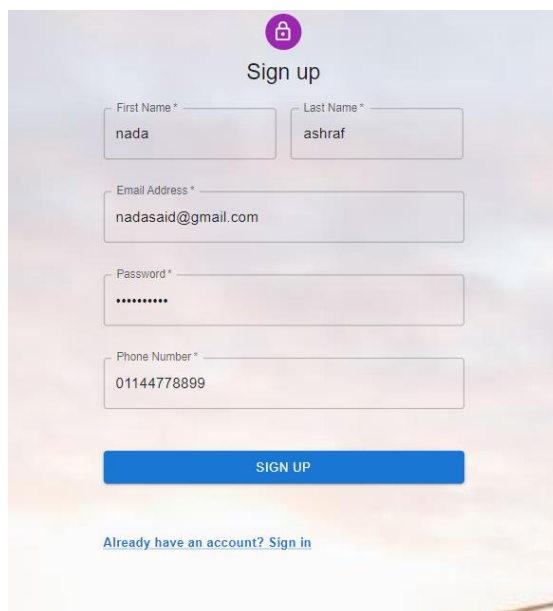


A screenshot of a 'Sign up' form. At the top is a purple lock icon and the text 'Sign up'. The form contains five input fields: 'First Name *' with 'sara', 'Last Name *' with 'ahmed', 'Email Address *', 'Password *', and 'Phone Number *'. Below these is a blue 'SIGN UP' button. At the bottom, there is a link: 'Already have an account? Sign in'.

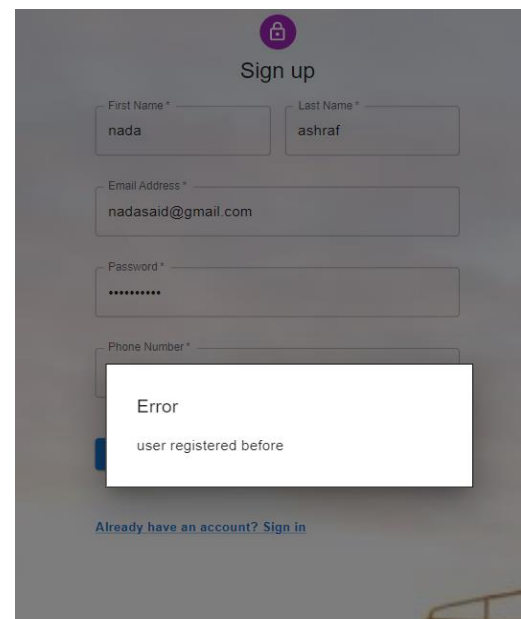


A screenshot of the 'Sign up' form with an error message. The error message is displayed in a white box with the text 'Error' and 'Enter all required data.' Below the error message, the link 'Already have an account? Sign in' is visible.

2. It will check that no user exists in the database who is registered with the entered email



A screenshot of a 'Sign up' form. At the top is a purple lock icon and the text 'Sign up'. The form contains five input fields: 'First Name *' with 'nada', 'Last Name *' with 'ashraf', 'Email Address *' with 'nadasaid@gmail.com', 'Password *' with '*****', and 'Phone Number *' with '01144778899'. Below these is a blue 'SIGN UP' button. At the bottom, there is a link: 'Already have an account? Sign in'.



A screenshot of the 'Sign up' form with an error message. The error message is displayed in a white box with the text 'Error' and 'user registered before'. Below the error message, the link 'Already have an account? Sign in' is visible.

If all validation tests are passed, success message appears, and the user would be saved in the database

Sign up

First Name *
ahmed

Last Name *
ali

Email Address *
ahmed@gmail.com

Password *

Phone Number *
011122222

SIGN UP

[Already have an account? Sign in](#)

Sign up

First Name *
ahmed

Last Name *
ali

Email Address *
ahmed@gmail.com

Password *

Phone Number *
011122222

Congrats
Registered successfully

[Already have an account? Sign in](#)

| | | | | user_id | email | fname | lname | password | phone | is_admin |
|--------------------------|--|--|--|---------|--------------------------|---------|---------|----------------------------------|----------------|----------|
| <input type="checkbox"/> | | | | 8 | ahmed@gmail.com | ahmed | ali | d0d52ba656c7a92957f59245d26aad7 | 011122222 | 0 |
| <input type="checkbox"/> | | | | 6 | mariamsalama@gmail.com | Mariam | Salama | d937fa3c3c831e4fd9b29c485abaa8b0 | 01568936009 | 0 |
| <input type="checkbox"/> | | | | 5 | nadasaid@gmail.com | Nada | Said | 417b5660c80cf66f93c674b66f09e208 | 01236782099 | 0 |
| <input type="checkbox"/> | | | | 3 | nourhanmohamed@gmail.com | Nourhan | Mohamed | 803d217a53160134cff472bbfb23a32f | 015095672891 | 0 |
| <input type="checkbox"/> | | | | 1 | rowansamy@gmail.com | Rowan | Samy | 1b142484ba9664073af827f4f9d30332 | 01062888126 | 1 |
| <input type="checkbox"/> | | | | 4 | salmabarakat@gmail.com | Salma | Barakat | fc8869424e7f70897c41799eb81d0c20 | 01056830916792 | 0 |
| <input type="checkbox"/> | | | | 7 | yasminahmed@gmail.com | yasmin | ahmed | 3b2d8947d68c718313f576554d78af46 | 01967490823 | 0 |
| <input type="checkbox"/> | | | | 2 | younmaahmed@gmail.com | Younma | Ahmed | 0bbd557bef01cb2f6423eec89c3df824 | 01148710934 | 0 |

2.Contact us:

Car Rental [HOME](#) [CONTACTUS](#) [SIGN-UP](#) [LOG-IN](#)

ContactUs

Our Email :
CarRental@email.com

Our phone Number:
[012345678910](tel:012345678910)

Or send us a message:

First Name *

Last Name *

Email Address *

Phone number *

Message *

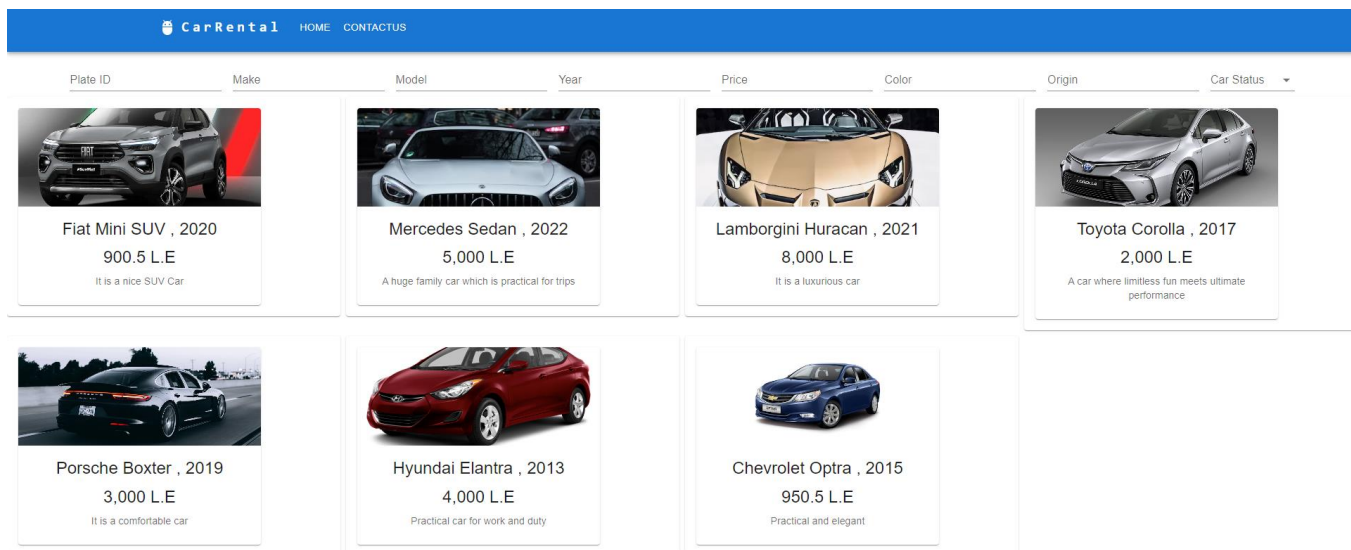
SEND

- It displays the car rental company's contact info: email and phone number.
- It enables customers to send a message by requesting the following data from the user: customer's first name, last name, email, and phone number as well as the request or message he wants to send.

3.User search

It is the first page that appears after user login.

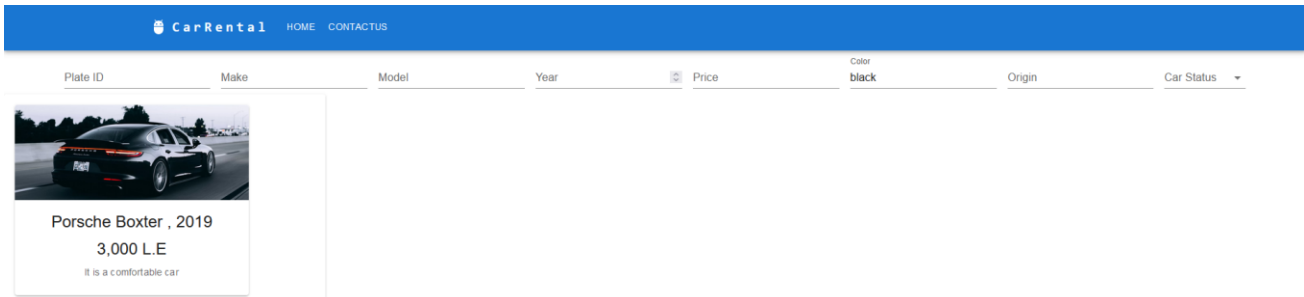
If all search fields are empty: cards of all cars available will appear on this page.



User can search for the car he needs he is allowed to enter the following search fields:

- 1.plate id
- 2.make
- 3.model
- 4.year
- 5.price
- 6.color
- 7.origin
- 8.car status


The user can enter 1 search field up to all 8 fields and the cars with all the values entered will be displayed



4.Car Info Page:

Since user is logged in now then the car info page would appear with the option to reserve the car

Hyundai Elantra 4000

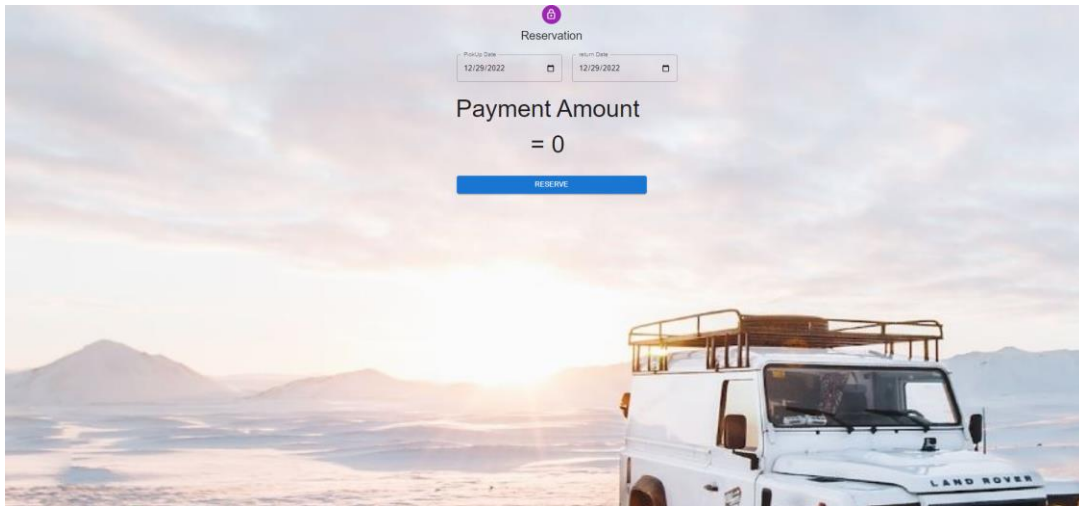


| | |
|----------------|---------------------------------|
| property | Availability |
| plate_id | 921 |
| make | Hyundai |
| model | Elantra |
| year | 2013 |
| description | Practical car for work and duty |
| price | 4000 |
| is_available | Available for rent |
| color | Burgandy |
| country | South Korea |
| engin_capacity | 1493 CC |

[RESERVE](#)

5. Reserve page:

On clicking on reserve button in the previous page this page would appear asking to enter the duration in which user needs to reserve the car: pickup time, return time.

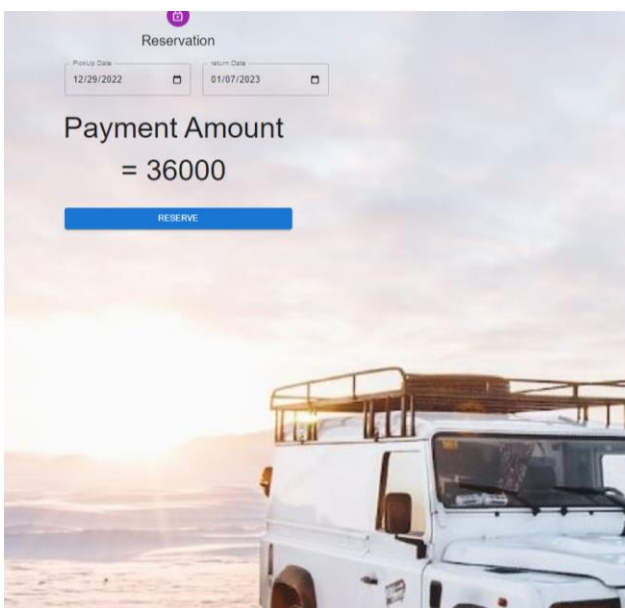


The screenshot shows a web form titled "Reservation" overlaid on a background image of a white Land Rover vehicle in a desert landscape at sunset. The form contains two date input fields: "Pickup Date" with the value "12/29/2022" and "Return Date" with the value "12/29/2022". Below these fields, the text "Payment Amount = 0" is displayed. At the bottom of the form is a blue button labeled "RESERVE".

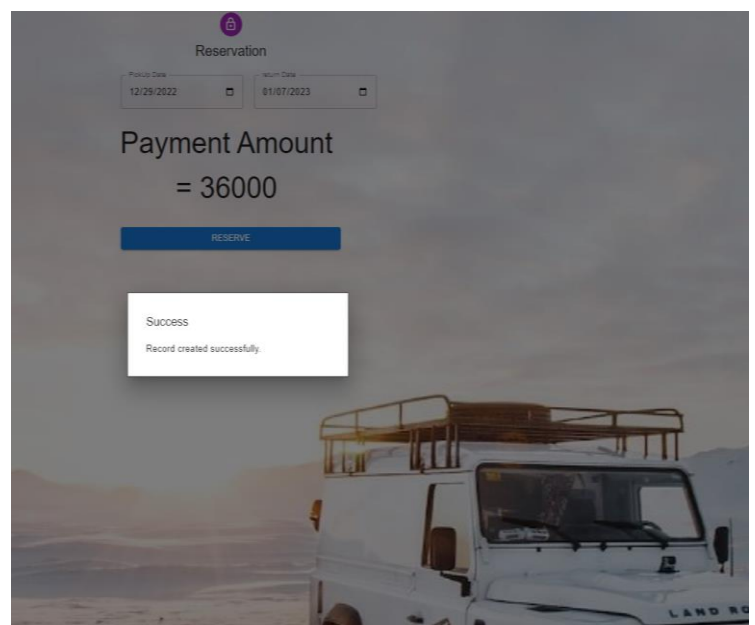
On adding the pickup and return date, the payment amount would be calculated as follows

First : Total reserved days is calculated by following equation = return time – pickup time.

Second : Payment amount is calculated by = total reserved days* price per day



























This screenshot is similar to the previous one, but the "Return Date" field now contains the value "01/07/2023". Consequently, the "Payment Amount" has been calculated and is now displayed as "36000". The "RESERVE" button remains at the bottom of the form.



This screenshot shows the "Reservation" form after a successful reservation. The "Payment Amount" is still "36000". A white modal box with a green border is centered on the screen, displaying the text "Success" and "Record created successfully." below it. The "RESERVE" button is still visible below the payment amount.

Database after this step:

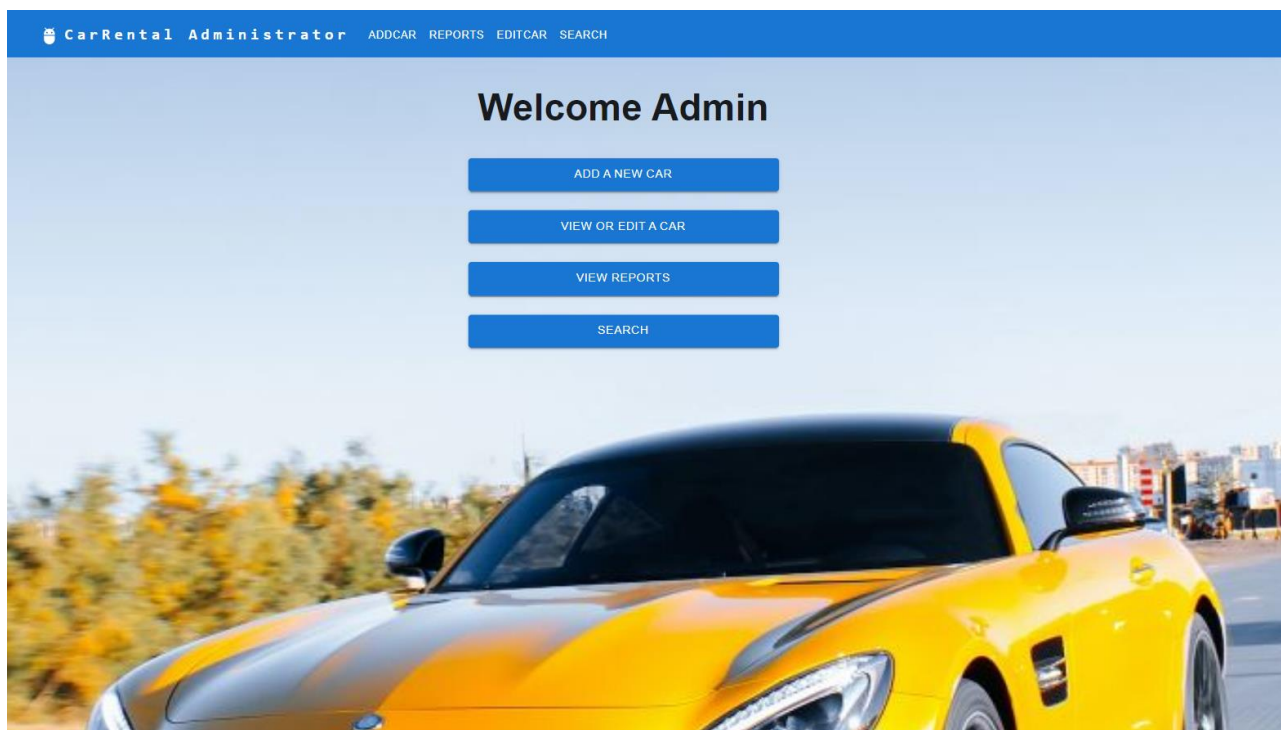
| | | | plate_id | user_id | email | payment | time_reservation | pickup_time | return_time | is_paid | status |
|--------------------------|---|---|---|---------|-------|--------------------------|------------------|-------------|-------------|------------|------------|
| <input type="checkbox"/> |  |  |  | 123 | 2 | younnaahmed@gmail.com | NULL | 2022-04-03 | 2022-09-10 | 2023-10-10 | 0 reserved |
| <input type="checkbox"/> |  |  |  | 456 | 5 | nadasaid@gmail.com | NULL | 2022-03-03 | 2022-03-10 | 2022-04-10 | 0 reserved |
| <input type="checkbox"/> |  |  |  | 567 | 3 | nourhanmohamed@gmail.com | NULL | 2019-05-22 | 2019-08-24 | 2019-12-23 | 0 reserved |
| <input type="checkbox"/> |  |  |  | 901 | 6 | mariamsalama@gmail.com | NULL | 2019-05-22 | 2019-05-24 | 2019-07-23 | 0 reserved |
| <input type="checkbox"/> |  |  |  | 911 | 4 | salmabarakat@gmail.com | VISA | 2020-06-10 | 2020-06-20 | 2020-08-25 | 1 reserved |
| <input type="checkbox"/> |  |  |  | 921 | 6 | mariamsalama@gmail.com | NULL | 2020-02-02 | 2022-12-29 | 2023-01-07 | 0 reserved |
| <input type="checkbox"/> |  |  |  | 921 | 7 | yasminahmed@gmail.com | NULL | 2019-05-25 | 2019-08-24 | 2019-12-25 | 0 reserved |
| <input type="checkbox"/> |  |  |  | 6606 | 4 | salmabarakat@gmail.com | VISA | 2020-06-10 | 2020-06-20 | 2020-07-25 | 1 reserved |

➤ Admin pages

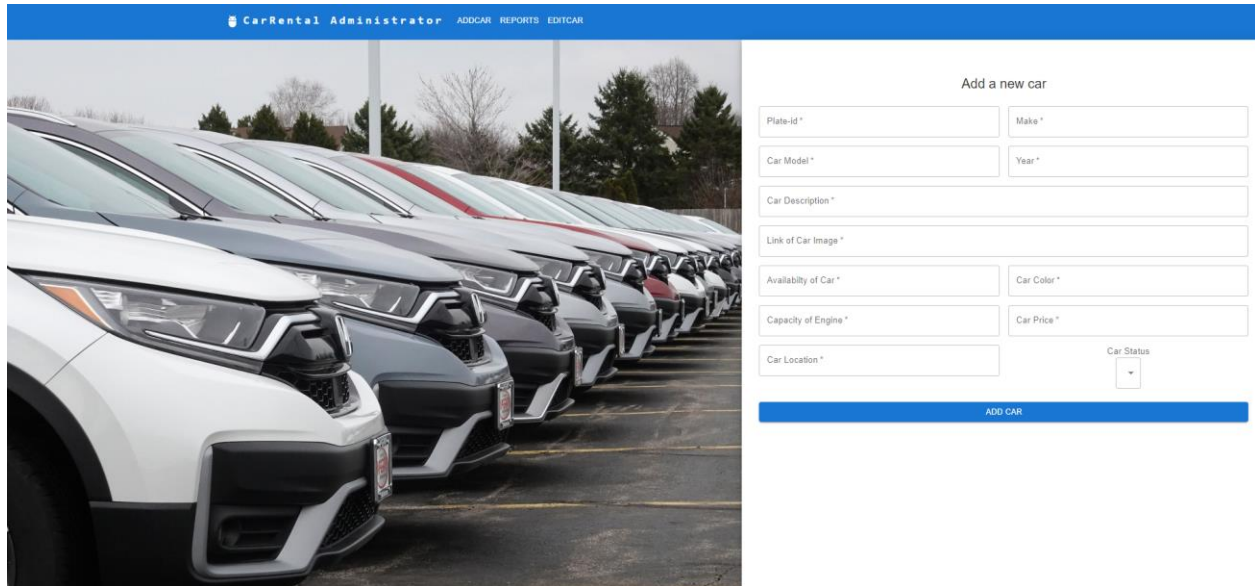
1- Admin home page

It views the options available for the admin:

- 1.Add new car
- 2.Edit existing car
- 3.View reports



1- Add new car page



CarRental Administrator ADD CAR REPORTS EDIT CAR

Add a new car

Plate-Id * Make *

Car Model * Year *

Car Description *

Link of Car Image *

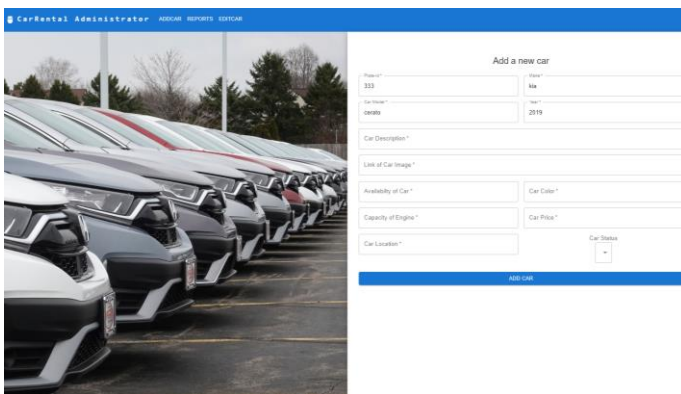
Availability of Car * Car Color *

Capacity of Engine * Car Price *

Car Location * Car Status

ADD CAR

- Admin can add new car by entering all the following fields: plate_id, make, model, year, description, price, car_status, is_available, color, car, location, engine_capacity, image link.
- If some data fields are empty, error occurs.



CarRental Administrator ADD CAR REPORTS EDIT CAR

Add a new car

Plate-Id * 333 Make * kia

Car Model * nirado Year * 2019

Car Description *

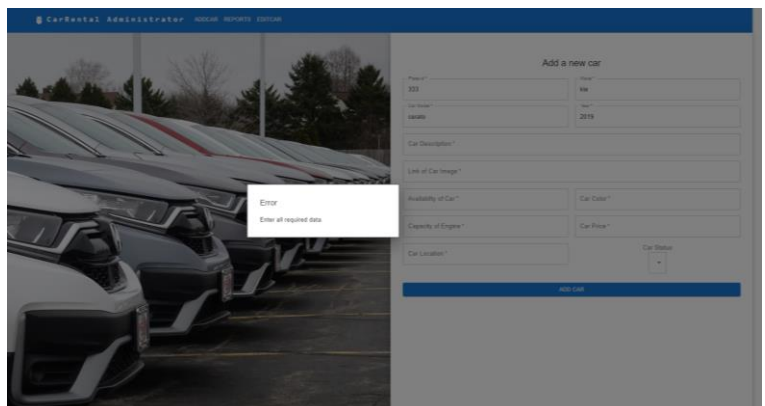
Link of Car Image *

Availability of Car * Car Color *

Capacity of Engine * Car Price *

Car Location * Car Status

ADD CAR



CarRental Administrator ADD CAR REPORTS EDIT CAR

Add a new car

Plate-Id * 333 Make * kia

Car Model * nirado Year * 2019

Car Description *

Link of Car Image *

Availability of Car * Car Color *

Capacity of Engine * Car Price *

Car Location * Car Status


ADD CAR

Error

Enter all required data

- Since all information is stated. Therefore, car will be added successfully.

CarRental Administrator ADDCAR REPORTS EDITCAR SEARCH

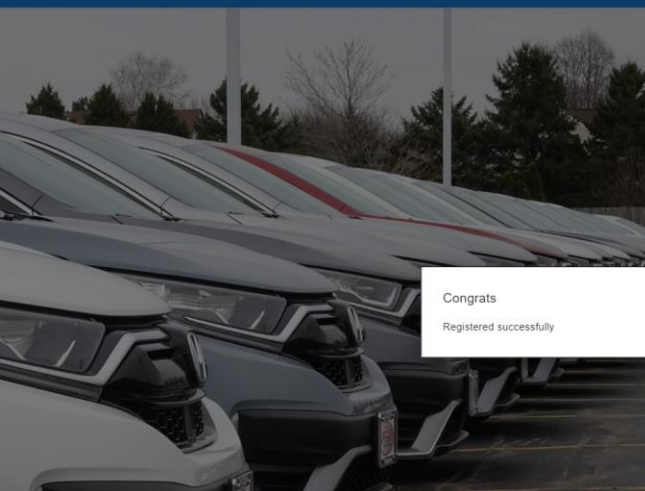


Add a new car

Plate-id * Make *
 Car Model * Year *
 Car Description *
 Link of Car Image *
 Availability of Car * Car Color *
 Capacity of Engine * Car Price *
 Car Location * Car Status
 Available for rent ▼

ADD CAR

CarRental Administrator ADDCAR REPORTS EDITCAR SEARCH











Add a new car

Plate-id * Make *
 Car Model * Year *
 Car Description *
 Link of Car Image *
 Availability of Car * Car Color *
 Capacity of Engine * Car Price *
 Car Location * Car Status
 Available for rent ▼

ADD CAR

Congrats

Registered successfully

| Plate ID | Make | Model | Year | Price | Color | Origin | Car Status |
|---|-------------|----------|------|-----------|-------|--------|------------|
|  | Fiat | Mini SUV | 2020 | 900.5 L.E | | | |
| | | | | | | | |
|  | kia | cerato | 2019 | 1,000 L.E | | | |
| | | | | | | | |
|  | Mercedes | Sedan | 2022 | 5,000 L.E | | | |
| | | | | | | | |
|  | Lamborghini | Huracan | 2021 | 8,000 L.E | | | |
| | | | | | | | |
|  | Toyota | Corolla | 2017 | 2,000 L.E | | | |
| | | | | | | | |
|  | Porsche | Boxter | 2019 | 3,000 L.E | | | |
| | | | | | | | |
|  | Hyundai | Elantra | 2013 | 4,000 L.E | | | |
| | | | | | | | |
|  | Chevrolet | Optra | 2015 | 950.5 L.E | | | |
| | | | | | | | |

| <div><div><div></div><div></div></div></div> | | plate_id | make | model | year | description | price | is_available | color | country | engin_capacity | img |
|---|--|----------|------------|----------|------|---|-------|--------------------|----------|-------------|----------------|--|
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 123 | Fiat | Mini SUV | 2020 | It is a nice SUV Car | 900.5 | Available for rent | Grey | Italy | 1600 CC | https://cdn.motor1.com/images/mgl/PO9Y4/s3/fiat-36... |
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 333 | kia | cerato | 2019 | elegant car | 1000 | Availbale for rent | red | Egypt | 1900 | https://www.kia.com.eg/uploads/model/Versions/611ab... |
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 456 | Mercedes | Sedan | 2022 | A huge family car which is practical for trips | 5000 | Out of Service | White | Germany | 1496 CC | https://images.unsplash.com/photo-1546518071-fddcd... |
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 567 | Lamborgini | Huracan | 2021 | It is a luxurious car | 8000 | Available for rent | Gold | Egypt | 6498 CC | https://images.unsplash.com/photo-1578656415093-e7... |
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 901 | Toyota | Corolla | 2017 | A car where limitless fun meets ultimate performan... | 2000 | Available for rent | Silver | Japan | 1598 CC | https://toyota.com.eg/storage/17011/CORO1811-1001.... |
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 911 | Porsche | Boxter | 2019 | It is a comfortable car | 3000 | Out of Service | Black | Canada | 1000 CC | https://images.unsplash.com/photo-1503376780353-7e... |
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 921 | Hyundai | Elantra | 2013 | Practical car for work and duty | 4000 | Available for rent | Burgandy | South Korea | 1493 CC | https://tdresearch.azureedge.net/photos/chrome/Ex... |
| <div><div><div></div><div></div></div></div> <div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div> | | 6606 | Chevrolet | Optra | 2015 | Practical and elegant | 950.5 | Available for rent | Blue | U.S | 1500 CC | https://www.chevroletarabia.com/content/dam/chevro... |

2. Edit cars + admin search page



Car Rental Administrator
ADD CAR
REPORTS
EDIT CAR
SEARCH

Plate ID

Make

Model


Year

Price


Color

Origin


Car Status




Fiat Mini SUV , 2020
900.5 L.E
It is a nice SUV Car




kia cerato , 2019
1,000 L.E
elegant car




Mercedes Sedan , 2022
5,000 L.E
A huge family car which is practical for trips




Lamborgini Huracan , 2021
8,000 L.E
It is a luxurious car




Toyota Corolla , 2017
2,000 L.E
A car where limitless fun meets ultimate performance



Porsche Boxter , 2019
3,000 L.E
It is a comfortable car



Hyundai Elantra , 2013
4,000 L.E
Practical car for work and duty




Chevrolet Optra , 2015
950.5 L.E
Practical and elegant

- It is a page that enables the admin to search for any car by entering from 1 up to all search fields which are:

- 1- plate id
- 2- make
- 3- model
- 4- year
- 5- price
- 6- color
- 7- origin
- 8- car status

- Admin can choose any card from the search results or all cars if no data entered in search fields to be able to edit or delete a car.

Fiat Mini SUV 900.5



| property | Availability |
|----------------|---|
| plate_id | 123 |
| make | <input type="text" value="Fiat"/> |
| model | <input type="text" value="Mini SUV"/> |
| year | <input type="text" value="2020"/> |
| description | <input type="text" value="It is a nice SUV Car"/> |
| price | <input type="text" value="900.5"/> |
| is_available | <input type="text" value="Available for rent"/> |
| color | <input type="text" value="Grey"/> |
| country | <input type="text" value="Italy"/> |
| engin_capacity | <input type="text" value="1600 CC"/> |

- The following text fields are surrounded by text box which admin can edit the values and then click “edit” button to update the new data in the database.
- Second option is that the admin can choose to delete the car completely from database.

Chevrolet Optra 950.5



| property | Availability |
|----------------|-----------------------|
| plate_id | 6606 |
| make | Chevrolet |
| model | Optra |
| year | 2015 |
| description | Practical and elegant |
| price | 950.5 |
| is_available | Available for rent |
| color | Blue |
| country | U.S |
| engin_capacity | 1500 CC |

[EDIT](#) [DELETE](#)

Chevrolet Optra 950.5










| property | Availability |
|----------------|-----------------------|
| plate_id | 6606 |
| make | |
| model | |
| year | 2015 |
| description | Practical and elegant |
| price | 950.5 |
| is_available | Available for rent |
| color | Blue |
| country | U.S |
| engin_capacity | 1500 CC |

[EDIT](#) [DELETE](#)

Congrats

Deleted successfully

| | | plate_id | make | model | year | description | price | is_available | color | country | engin_capacity | img |
|--------------------------|--|----------|-------------|----------|------|---|-------|--------------------|----------|-------------|----------------|---|
| <input type="checkbox"/> | Edit Copy Delete | 123 | Fiat | Mini SUV | 2020 | It is a nice SUV Car | 7100 | Available for rent | Grey | Italy | 1600 CC | https://cdn.motor1.com/images/mgl/PO9Y4/s3/fiat-36... |
| <input type="checkbox"/> | Edit Copy Delete | 333 | kia | cerato | 2019 | elegant car | 1000 | Availbale for rent | red | Egypt | 1900 | https://www.kia.com.eg/uploads/modelVersions/611ab... |
| <input type="checkbox"/> | Edit Copy Delete | 456 | Mercedes | Sedan | 2022 | A huge family car which is practical for trips | 5000 | Out of Service | White | Germany | 1496 CC | https://images.unsplash.com/photo-1546518071-fddcd... |
| <input type="checkbox"/> | Edit Copy Delete | 567 | Lamborghini | Huracan | 2021 | It is a luxurious car | 8000 | Available for rent | Gold | Egypt | 6498 CC | https://images.unsplash.com/photo-1578656415093-e7... |
| <input type="checkbox"/> | Edit Copy Delete | 901 | Toyota | Corolla | 2017 | A car where limitless fun meets ultimate performan... | 2000 | Available for rent | Silver | Japan | 1598 CC | https://toyota.com.eg/storage/17011/CORO1811-1001.... |
| <input type="checkbox"/> | Edit Copy Delete | 911 | Porsche | Boxter | 2019 | It is a comfortable car | 3000 | Out of Service | Black | Canada | 1000 CC | https://images.unsplash.com/photo-1503376780353-7e... |
| <input type="checkbox"/> | Edit Copy Delete | 921 | Hyundai | Elantra | 2013 | Practical car for work and duty | 4000 | Available for rent | Burgandy | South Korea | 1493 CC | https://tdmresearch.azureedge.net/photos/chrome/Ex... |

| CarRental Administrator ADD CAR REPORTS EDIT CAR SEARCH | | | | | | | | | |
|--|---|--|---|-------|-------|--------|------------|--|--|
| Plate ID | Make | Model | Year | Price | Color | Origin | Car Status | | |
|  |  |  |  | | | | | | |
| Fiat Mini SUV , 2020 7,100 L.E It is a nice SUV Car | kia cerato , 2019 1,000 L.E elegant car | Mercedes Sedan , 2022 5,000 L.E A huge family car which is practical for trips | Lamborghini Huracan , 2021 8,000 L.E It is a luxurious car | | | | | | |
|  |  |  | | | | | | | |
| Toyota Corolla , 2017 2,000 L.E A car where limitless fun meets ultimate performance | Porsche Boxter , 2019 3,000 L.E It is a comfortable car | Hyundai Elantra , 2013 4,000 L.E Practical car for work and duty | | | | | | | |

○ Chevrolet car deleted successfully.

5- Admin search page:

- It allows the admin to enter from 1 up to all search fields.
- Car info: plate_id, make, model, year, price, color, country, and car status.
- Customer info: email, phone.
- Reservation info: reservation date
- If admin searches using car info only it would show the cars with these properties and the info of the customer if this car was reserved else, it would show customer info with nulls.
- If admin searches using customer info only it would show the customers with this info and the info of the cars if he reserved else if this else, it would show car info with nulls.
- If admin enters car info and customer info the data must be included in a row in the database.
- Else it would not show any results.

| plate_id | make | model | year | description | price | is_available | color | country | engin_capacity | time_reservation | pickup_time | return_time | status | user_id | email |
|----------|-----------|---------|------|--|-------|--------------------|--------|---------|----------------|------------------|-------------|-------------|----------|---------|-------|
| 901 | Toyota | Corolla | 2017 | A car where limitless fun meets ultimate performance | 2000 | Available for rent | Silver | Japan | 1598 CC | 2019-05-22 | 2019-05-24 | 2019-07-23 | reserved | 6 | n |
| 456 | Mercedes | Sedan | 2022 | A huge family car which is practical for trips | 5000 | Out of Service | White | Germany | 1496 CC | 2022-03-03 | 2022-03-10 | 2022-04-10 | reserved | 5 | n |
| 567 | Landrover | Range | 2021 | It is a | 6000 | Available | Gold | England | 2400 CC | 2022-05-20 | 2022-06-01 | 2019-12- | reserved | 0 | |

- It shows all cars and to display them we can use up-down or left-right scroll.
- If we specified specific properties -> number of records in table starts to decrease according to entered information.

5- Reports page

➤ It has 5 tabs each for a certain report:

- 1- All reservations within a specified period including all car and customer information.
- 2- All reservations of any car within a specified period including all car information.
- 3- The status of all cars on a specific day.
- 4- All reservations of specific customer including customer information, car model and plate id.
- 6- Daily payments within specific period.

CarRental Administrator ADDCAR REPORTS EDITCAR

ALL RESERVATIONS WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR AND CUSTOMER INFORMATION

ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION

THE STATUS OF ALL CARS ON A SPECIFIC DAY

ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID

DAILY PAYMENTS WITHIN SPECIFIC PERIOD

Starting Date: mm/dd/yyyy Ending Date: 12/29/2022

Table Data

| user_id | fname | lname | phone | email | plate_id | make | model | year | color | country | price | engine_capacity | description | is_available | time_reservation | pickup_time | return_time |
|---------|-------|-------|-------|-------|----------|------|-------|------|-------|---------|-------|-----------------|-------------|--------------|------------------|-------------|-------------|
|---------|-------|-------|-------|-------|----------|------|-------|------|-------|---------|-------|-----------------|-------------|--------------|------------------|-------------|-------------|

Rows per page: 10 0-0 of 0

➤ Query 1:

CarRental Administrator ADDCAR REPORTS EDITCAR SEARCH

ALL RESERVATIONS WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR AND CUSTOMER INFORMATION

ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION

THE STATUS OF ALL CARS ON A SPECIFIC DAY

ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID

Starting Date: 03/10/2022 Ending Date: 04/10/2022

Table Data

| user_id | fname | lname | phone | email | plate_id | make | model | year | color | country | price | engine_capacity | description | is_available |
|---------|--------|-------|-------------|-----------------------|----------|----------|----------|------|-------|---------|-------|-----------------|--|--------------------|
| 2 | Youmna | Ahmed | 01148710934 | younnaahmed@gmail.com | 123 | Fiat | Mini SUV | 2020 | Grey | Italy | 900.5 | 1600 CC | It is a nice SUV Car | Available for rent |
| 5 | Nada | Said | 01236782099 | nadasaid@gmail.com | 456 | Mercedes | Sedan | 2022 | White | Germany | 5000 | 1496 CC | A huge family car which is practical for trips | Out of Service |

Rows per page: 10 1-2 of 2

- The specified tab is the one colored in blue.
- The admin enters the starting date and ending date of the period that he wants to display the reservations within it including customer and car information.

➤ Query 2:

- The admin enters the starting date and ending date of the period that he wants to display the reservations within it including all car information.

CarRental Administrator

ADDCARREPORTSEDITCARSEARCH

ALL RESERVATIONS WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR AND CUSTOMER INFORMATION

ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION

THE STATUS OF ALL CARS ON A SPECIFIC DAY.

ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID.

Starting Date

03/10/2022

Ending Date

04/10/2022

| plate_id | make | model | year | color | country | price | engin_capacity | description | is_available | time_reservation | pickup_time | return_time |
|----------|----------|----------|------|-------|---------|-------|----------------|--|--------------------|------------------|-------------|-------------|
| 123 | Fiat | Mini SUV | 2020 | Grey | Italy | 900.5 | 1600 CC | It is a nice SUV Car | Available for rent | 2022-04-03 | 2022-09-10 | 2023-10-10 |
| 456 | Mercedes | Sedan | 2022 | White | Germany | 5000 | 1496 CC | A huge family car which is practical for trips | Out of Service | 2022-03-03 | 2022-03-10 | 2022-04-10 |

Rows per page: 101-2 of 2

➤ Query 3:

CarRental Administrator

ADDCARREPORTSEDITCARSEARCH

ALL RESERVATIONS WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR AND CUSTOMER INFORMATION

ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION

THE STATUS OF ALL CARS ON A SPECIFIC DAY.

ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID.

pick a day


Day

11/27/2022

| plate_id | make | model | year | status | price | description |
|----------|-------------|----------|------|--------------------|-------|--|
| 123 | Fiat | Mini SUV | 2020 | reserved | 900.5 | It is a nice Car |
| 196 | Toyota | Belta | 2022 | Availbale for rent | 500 | best seller |
| 456 | Mercedes | Sedan | 2022 | Out of Service | 5000 | A huge family car which is practical for trips |
| 567 | Lamborghini | Huracan | 2021 | Available for rent | 8000 | It is a luxurious car |
| 901 | Toyota | Corolla | 2017 | Available for rent | 2000 | A car where limitless fun meets ultimate performance |
| 911 | Porsche | Boxter | 2019 | Out of Service | 3000 | It is a comfortable car |

- Takes a specific day and returns the status of all cars on this day whether reserved or available.

➤ Query 4:

 **Car Rental Administrator** [ADDCAR](#) [REPORTS](#) [EDITCAR](#) [SEARCH](#)

[ALL RESERVATIONS WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR AND CUSTOMER INFORMATION](#) [ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION](#) [THE STATUS OF ALL CARS ON A SPECIFIC DAY.](#) [ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID.](#)

Enter customers id


customer id *

Table Data

| fname | lname | plate_id | model | pickup_time | return_time | time_reservation | status | is_paid |
|-------|-------|----------|-------|-------------|-------------|------------------|--------|---------|
|-------|-------|----------|-------|-------------|-------------|------------------|--------|---------|

Rows per page: 10 0-0 of 0

- Takes a customer ID and returns all reservations made by this customer including specified customer and car information.

 **Car Rental Administrator** [ADDCAR](#) [REPORTS](#) [EDITCAR](#) [SEARCH](#)

[ALL RESERVATIONS WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR AND CUSTOMER INFORMATION](#) [ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION](#) [THE STATUS OF ALL CARS ON A SPECIFIC DAY.](#) [ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID.](#)

Enter customers id

customer id *
4

Table Data

| fname | lname | plate_id | model | pickup_time | return_time | time_reservation | status | is_paid |
|-------|---------|----------|--------|-------------|-------------|------------------|----------|---------|
| Salma | Barakat | 911 | Boxter | 2020-06-20 | 2020-08-25 | 2020-06-10 | reserved | 1 |
| Salma | Barakat | 6606 | Optra | 2020-06-20 | 2020-07-25 | 2020-06-10 | reserved | 1 |

Rows per page: 10 1-2 of 2

➤ Query 5:

CarRental Administrator [ADDCAR](#) [REPORTS](#) [EDITCAR](#)

[ALL RESERVATIONS WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR AND CUSTOMER INFORMATION](#) [ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION](#) [THE STATUS OF ALL CARS ON A SPECIFIC DAY.](#) [ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID.](#) [DAILY PAYMENTS WITHIN SPECIFIC PERIOD.](#)

from

starting Date

mm / dd / yyyy

to

ending Date

12 / 29 / 2022

Table Data

| DAY | daily_payment |
|-----|---------------|
|-----|---------------|

Rows per page: 10 0-0 of 0

- The admin enters the starting date and ending date of the period that he wants to display the total daily payments.

CarRental Administrator [ADDCAR](#) [REPORTS](#) [EDITCAR](#) [SEARCH](#)

[ALL RESERVATIONS OF ANY CAR WITHIN A SPECIFIED PERIOD INCLUDING ALL CAR INFORMATION](#) [THE STATUS OF ALL CARS ON A SPECIFIC DAY.](#) [ALL RESERVATIONS OF SPECIFIC CUSTOMER INCLUDING CUSTOMER INFORMATION, CAR MODEL AND PLATE ID.](#) [DAILY PAYMENTS WITHIN SPECIFIC PERIOD.](#)

from

starting Date

08/20/2019

to

ending Date

04/20/2022

Table Data

| DAY | daily_payment |
|------------|---------------|
| 2022-03-10 | 155000 |
| 2019-08-24 | 1460000 |
| 2020-06-20 | 231267.5 |

Rows per page: 10 1-3 of 3