

Database Final Project

Car Rental System

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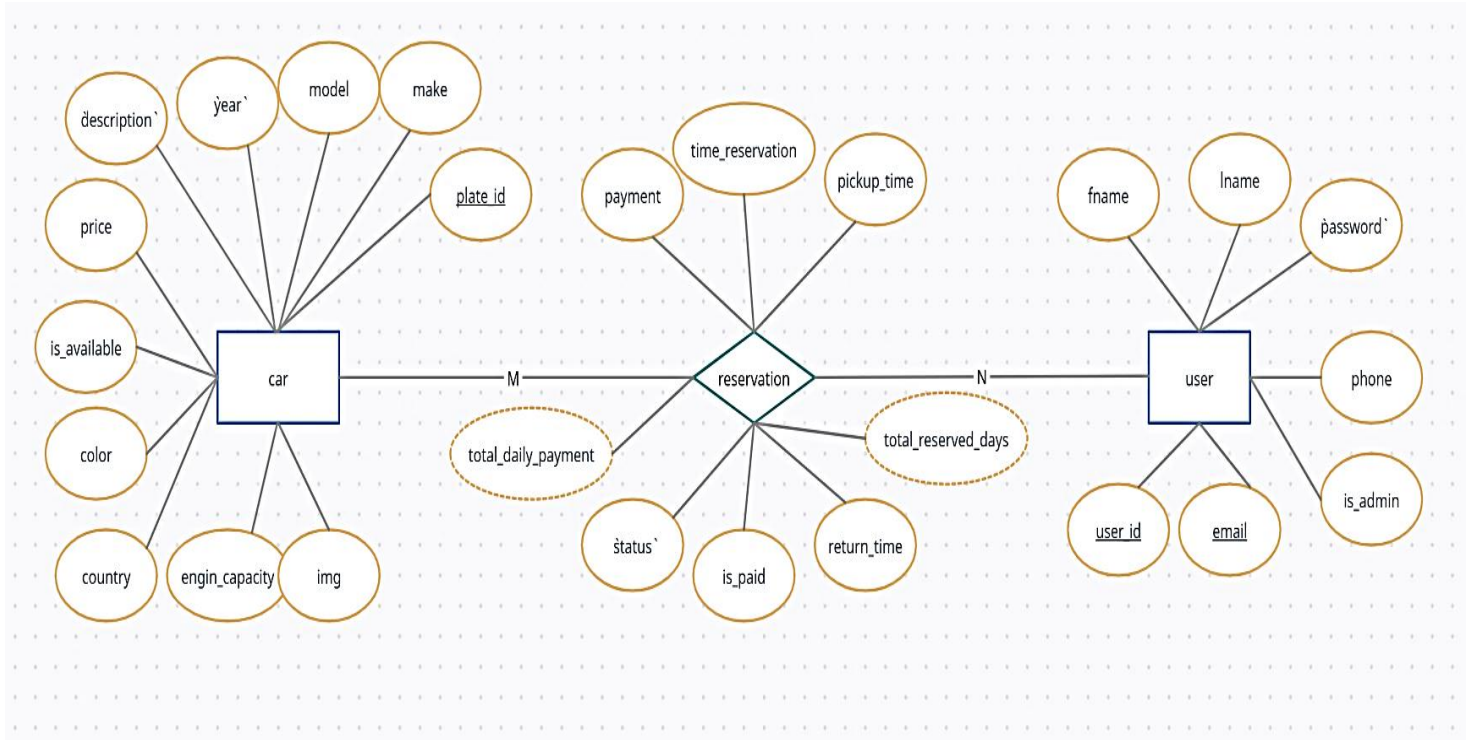
3-Name: Salma Mohamed Hasan Ibrahim Barakat

ID : 6845

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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
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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		7	InnoDB	utf8mb4_0900_ai_ci	16.0 KiB	-
<input type="checkbox"/> reservation		7	InnoDB	utf8mb4_0900_ai_ci	16.0 KiB	-
<input type="checkbox"/> user		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"/>	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"/>	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"/>	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"/>	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"/>	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"/>	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"/>	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

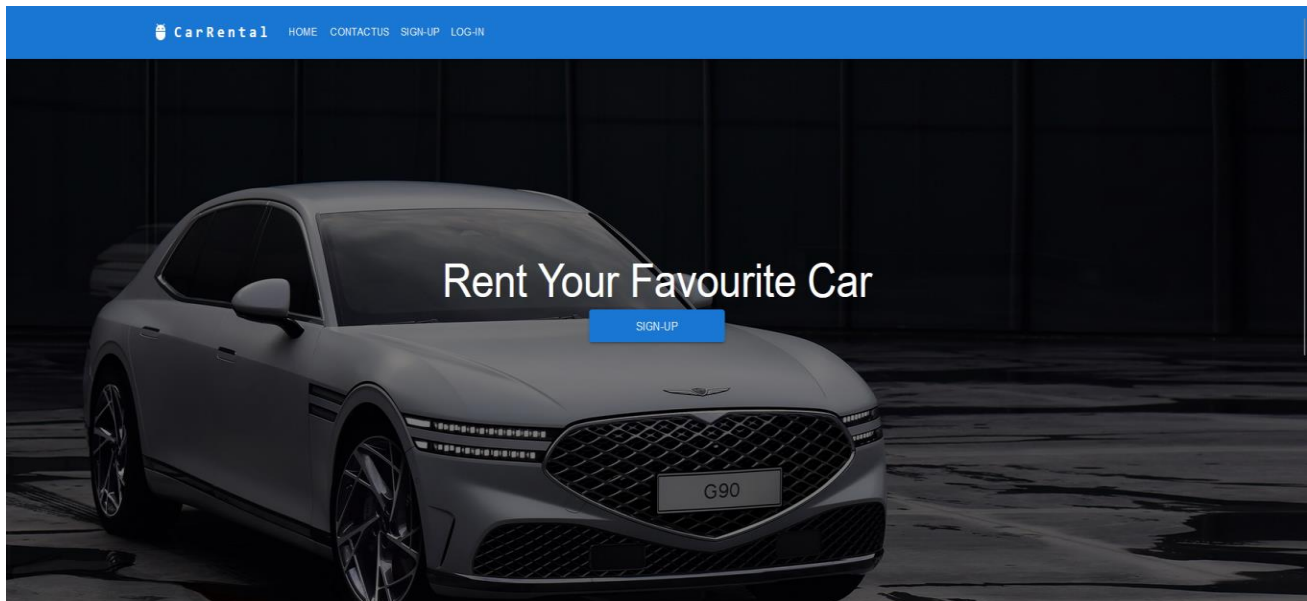
	plate_id	user_id	email	payment	time_reservation	pickup_time	return_time	is_paid	status
<input type="checkbox"/>	123	2	younnaahmed@gmail.com	NULL	2022-04-03	2022-09-10	2023-10-10	0	reserved
<input type="checkbox"/>	456	5	nadasaid@gmail.com	NULL	2022-03-03	2022-03-10	2022-04-10	0	reserved
<input type="checkbox"/>	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	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

➤ user








	user_id	email	fname	lname	password	phone	is_admin
<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	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.

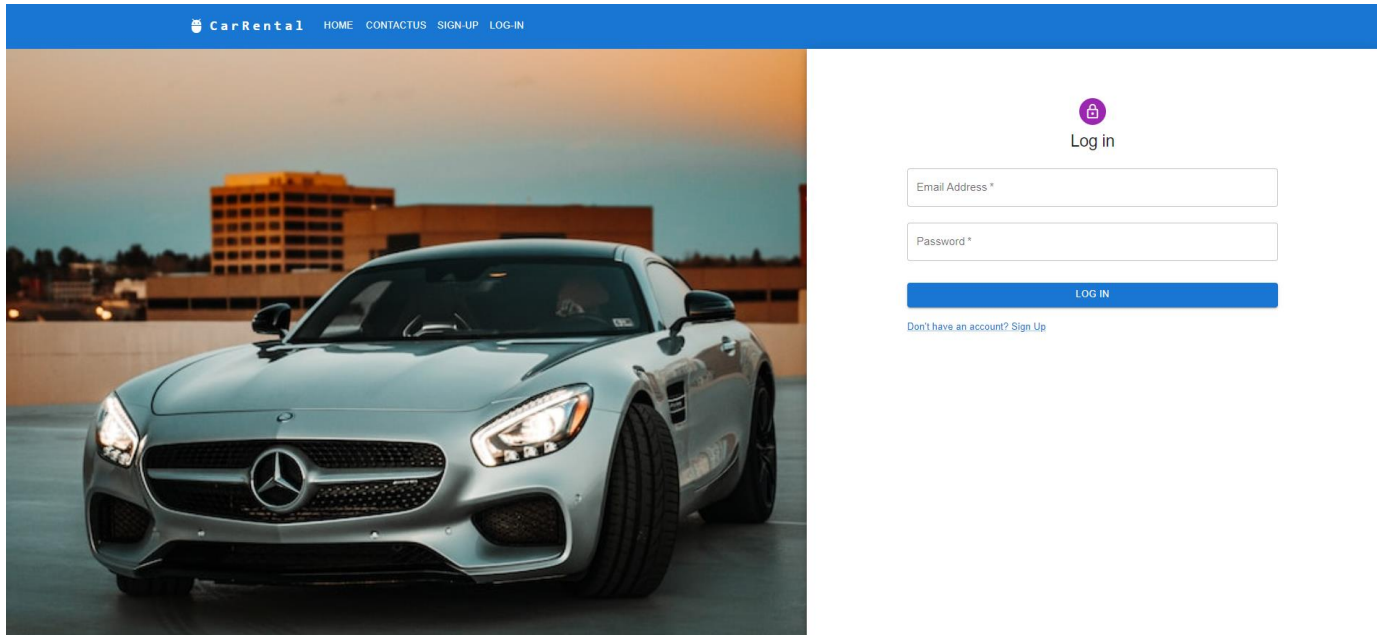
The status could be one of the following options:

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



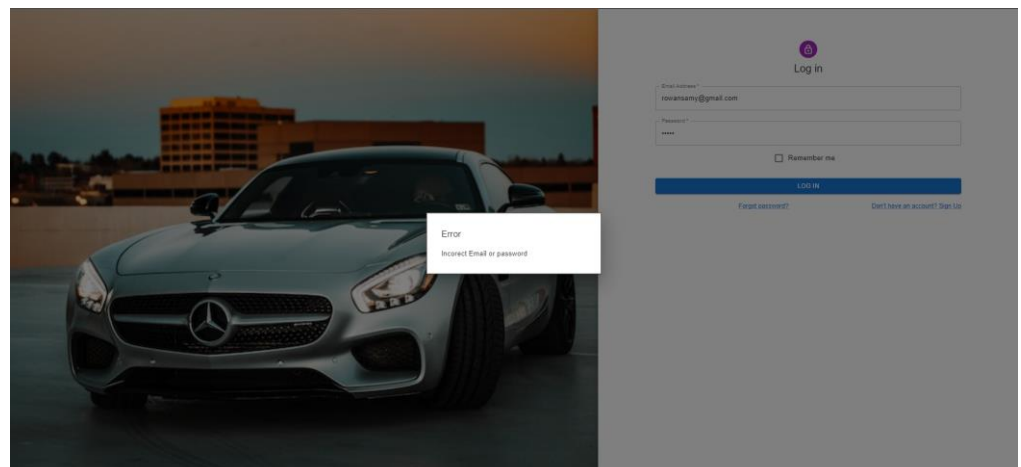
This page enables users and the admin to login to their account.

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 :

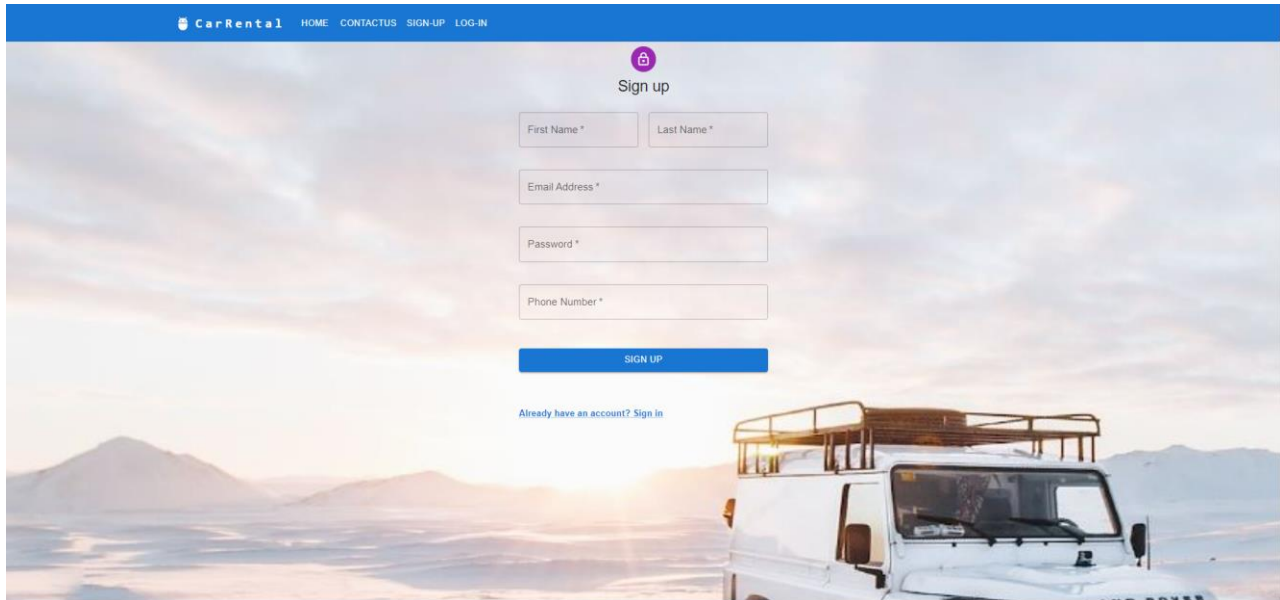
the is_admin field is checked in the database if this field is equal to zero then it is a customer and he would be directed to **customer search page**, but if the value was one then he would be directed to **admin home page**.

- 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 *'. Each field is a light blue input box. Below the fields is a blue 'SIGN UP' button. 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

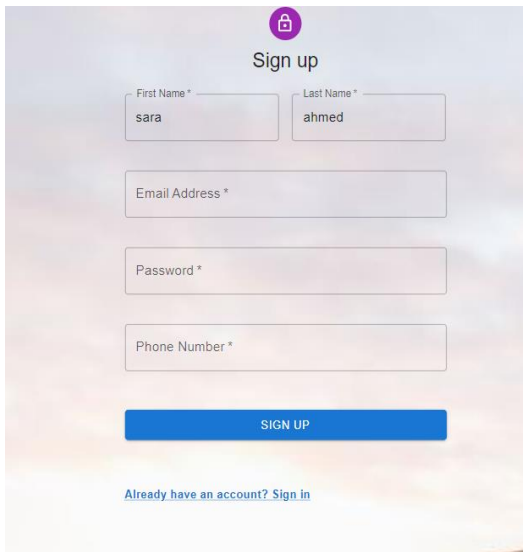
3-Email

4-Password

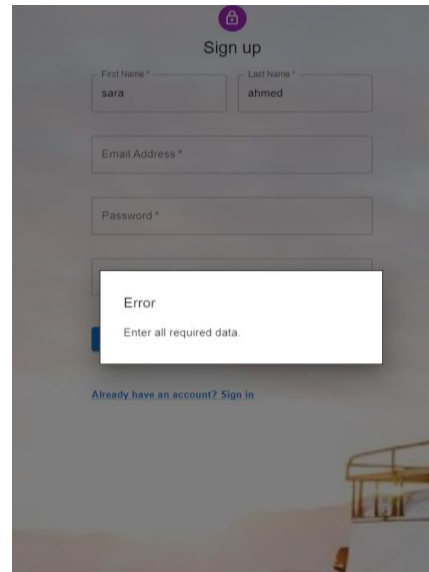
5-Phone number

- on clicking on sign up button:

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

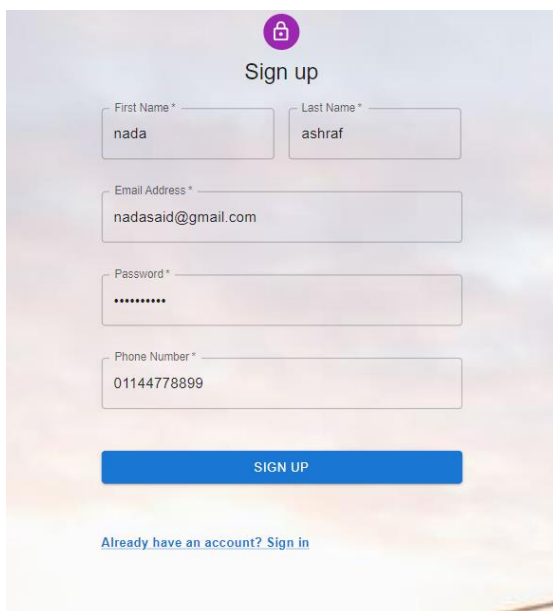


A screenshot of a 'Sign up' form. At the top is a purple lock icon and the title 'Sign up'. The form contains five input fields: 'First Name *' with 'sara', 'Last Name *' with 'ahmed', 'Email Address *', 'Password *', and 'Phone Number *'. Below these is a blue 'SIGN UP' button. At the bottom, there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

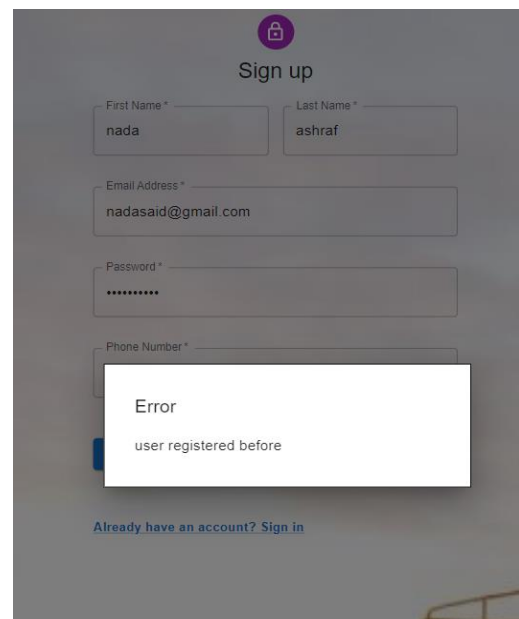


A screenshot of the 'Sign up' form with an error message. The error message is displayed in a white box with the text 'Error' and 'Enter all required data.' Below the error box, the 'SIGN UP' button is visible, and at the bottom, there is a link: 'Already have an account? Sign in'.

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 title '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 box, the 'SIGN UP' button is visible, and at the bottom, there is a link: 'Already have an account? Sign in'.

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"/>		Edit		Copy		Delete	8	ahmed@gmail.com	ahmed	ali	d0d52ba656c7a92957f59245d26aad7	011122222	0
<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	803d217a53160134cff472bfb23a32f	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

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 *

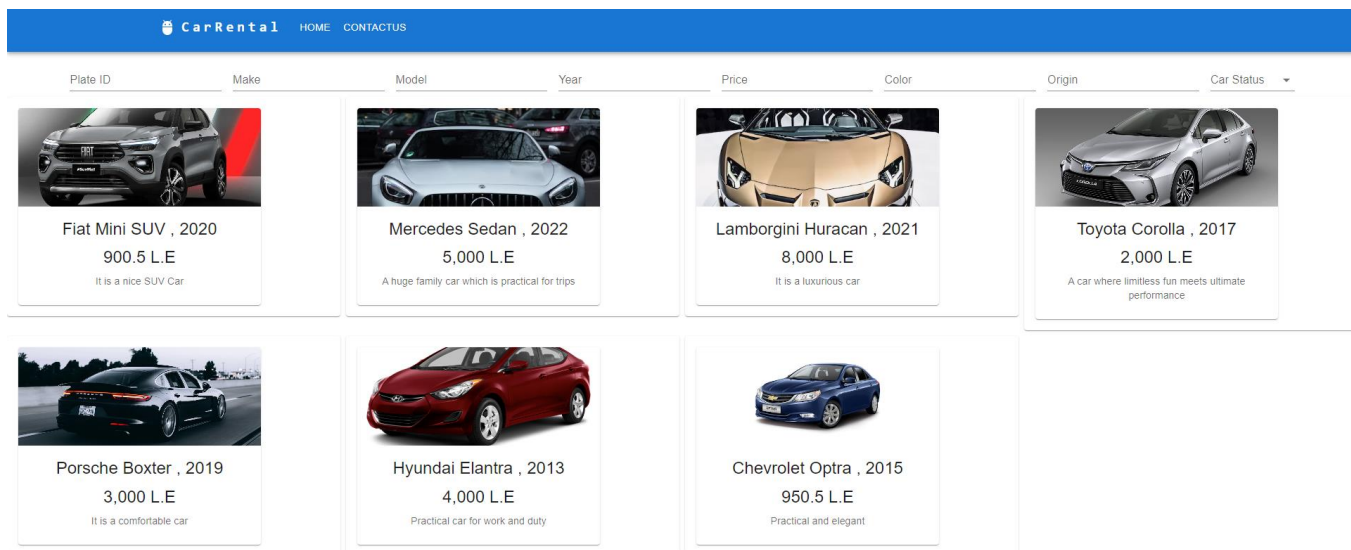
SEND

- 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.

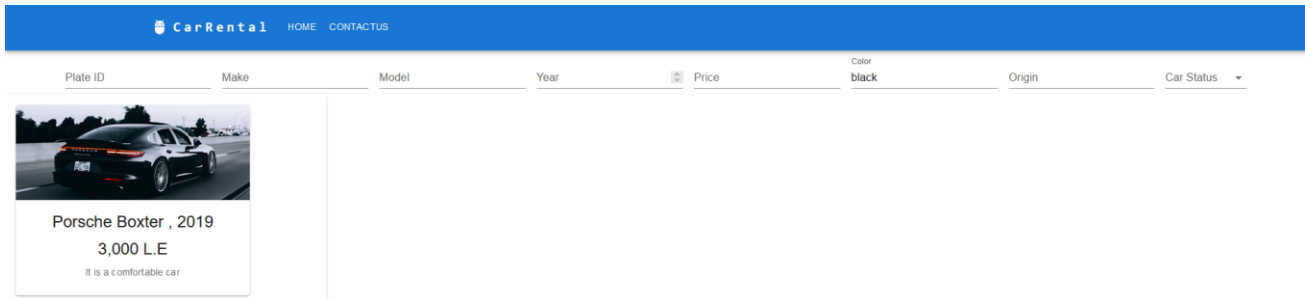
If all search fields are empty: cards of all cars available will appear on this page.



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

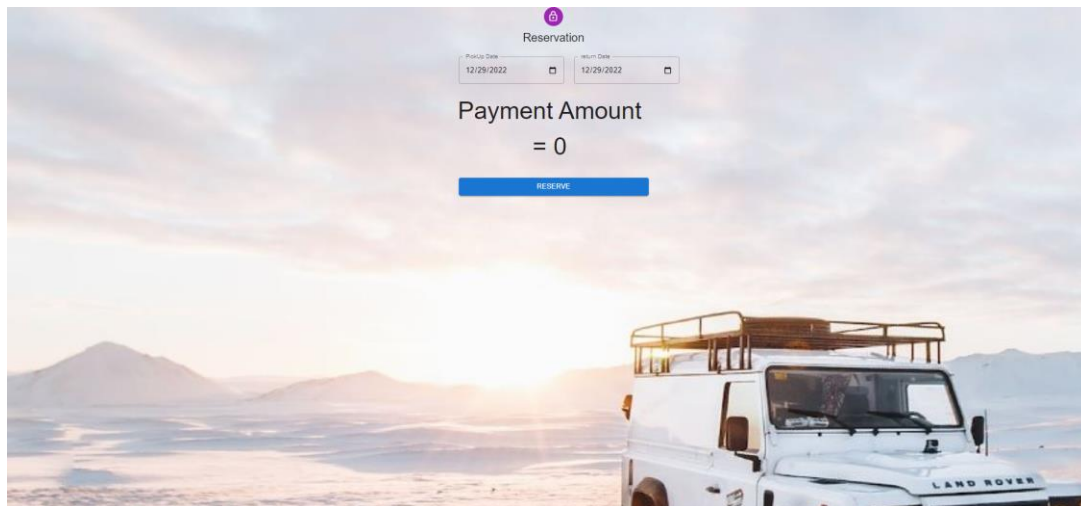
Hyundai Elantra 4000

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.

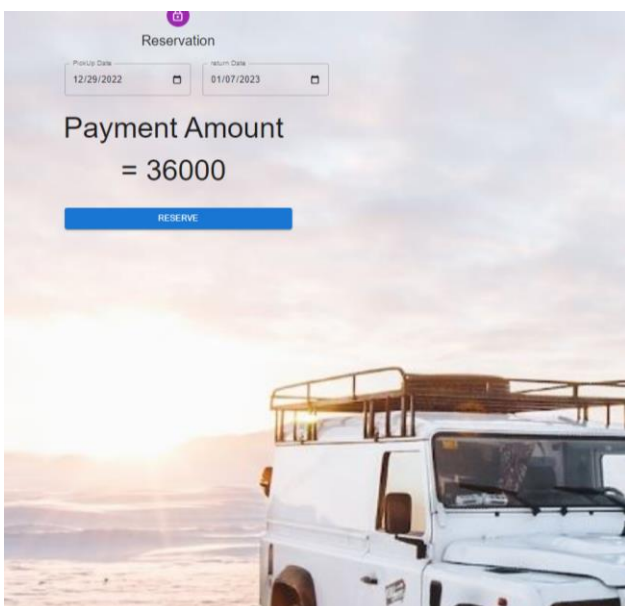


The screenshot shows a web form titled "Reservation" with a purple icon. It contains two date input fields: "Pickup Date" with the value "12/29/2022" and "Return Date" with the value "12/29/2022". Below these fields, the text "Payment Amount = 0" is displayed. A blue button labeled "RESERVE" is positioned below the payment amount. The background of the form is a photograph of a white Land Rover vehicle parked in a desert landscape at sunset.

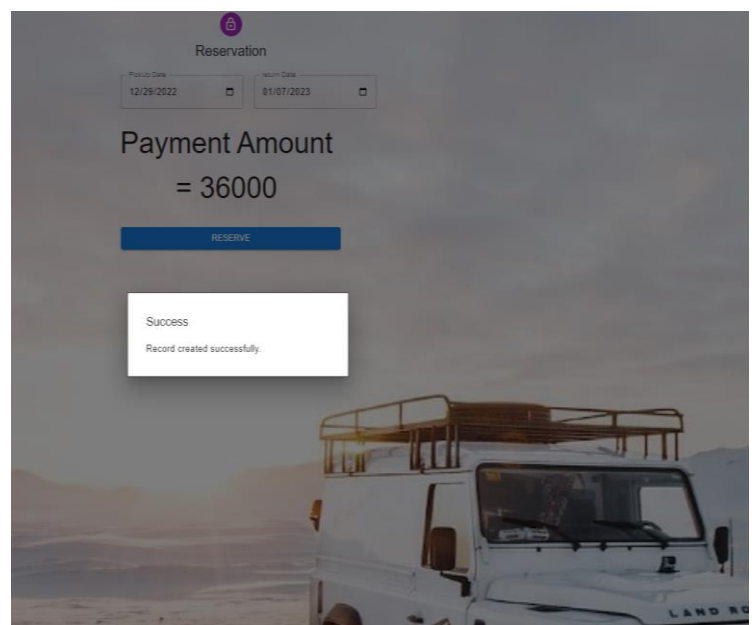
On adding the pickup and return date, the payment amount would be calculated as follows

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 shows the same "Reservation" form as before, but with the "Return Date" field updated to "01/07/2023". The "Payment Amount" is now calculated and displayed as "36000". The blue "RESERVE" button remains visible. The background image of the Land Rover is still present.



This screenshot shows the "Reservation" form after the reservation is completed. 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. The background image of the Land Rover is still present.

Database after this step:

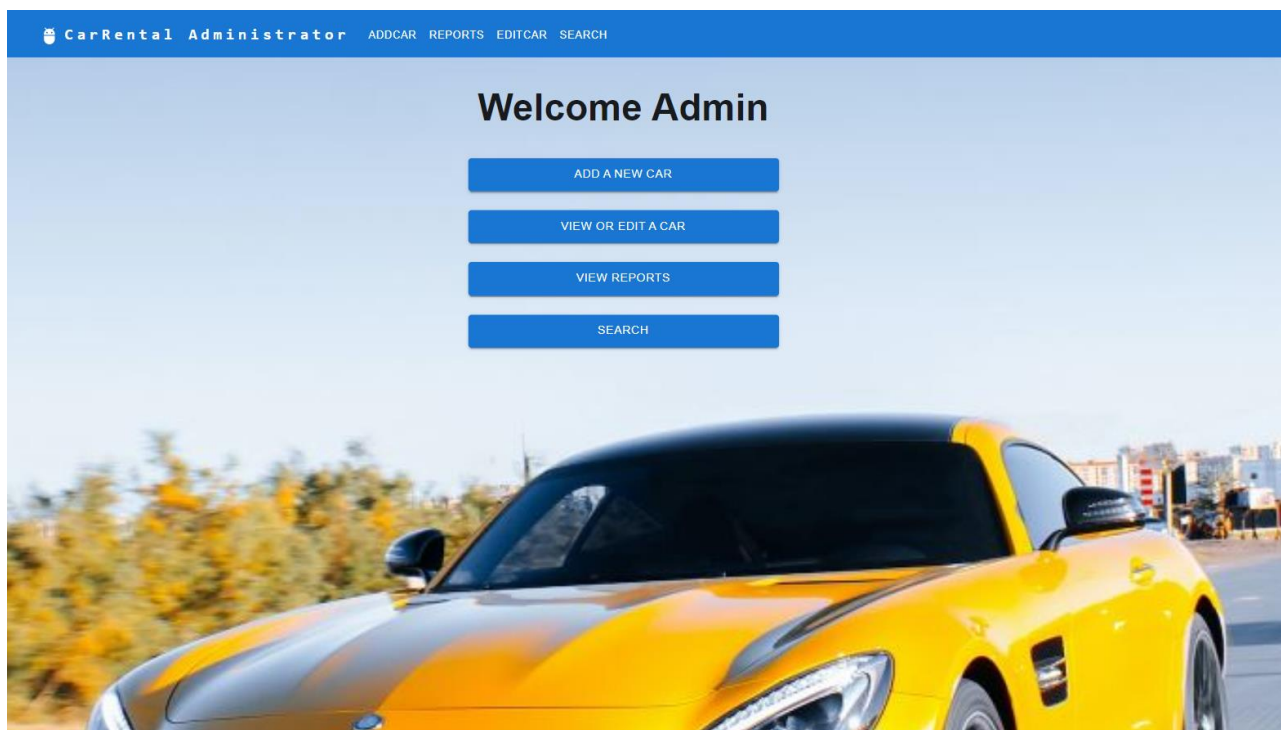
			plate_id	user_id	email	payment	time_reservation	pickup_time	return_time	is_paid	status
<input type="checkbox"/>				123	2	younnaahmed@gmail.com	NULL	2022-04-03	2022-09-10	2023-10-10	0 reserved
<input type="checkbox"/>				456	5	nadasaid@gmail.com	NULL	2022-03-03	2022-03-10	2022-04-10	0 reserved
<input 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

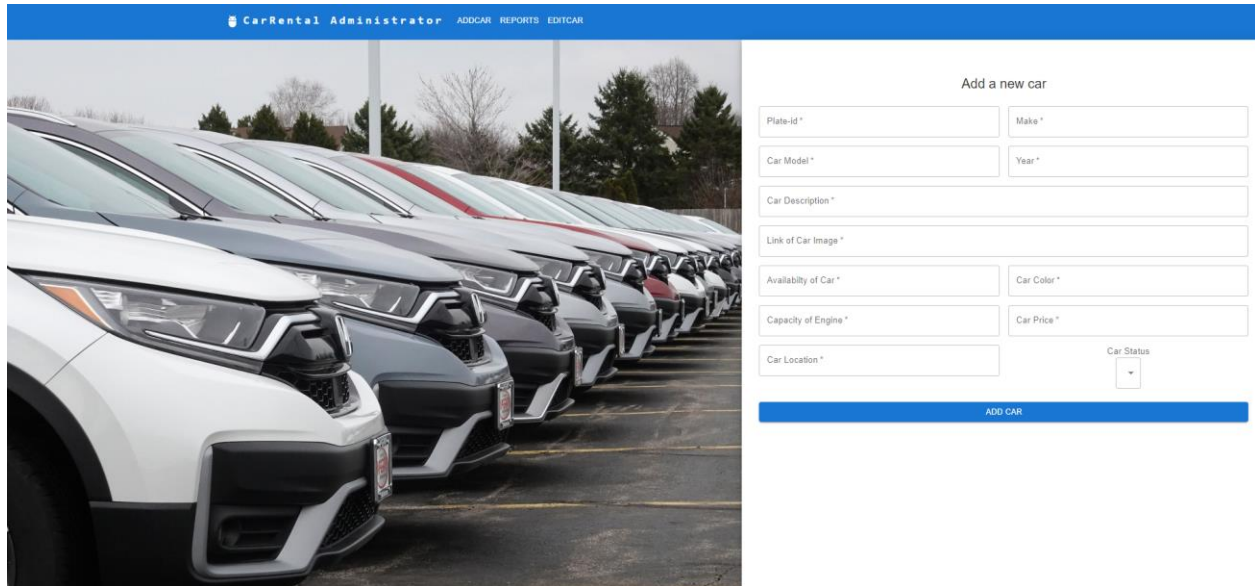
1- Admin home page

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 *

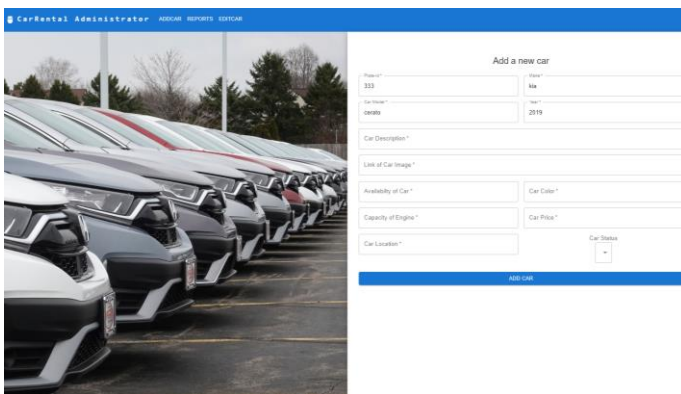
Availability of Car * Car Color *

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 * Mazda

Car Model * CX5000 Year * 2019

Car Description *

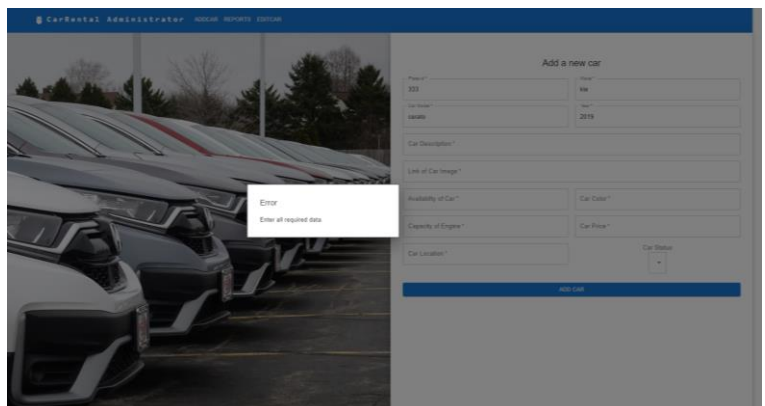
Link of Car Image *

Availability of Car * Car Color *

Capacity of Engine * Car Price *

Car Location * Car Status Available

ADD CAR



CarRental Administrator ADD CAR REPORTS EDIT CAR

Add a new car

Plate-Id * 333 Make * Mazda

Car Model * CX5000 Year * 2019

Car Description *

Link of Car Image *

Availability of Car * Car Color *

Capacity of Engine * Car Price *


Car Location * Car Status Available

ADD CAR

Error
Enter all required data

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

CarRental Administrator ADDCAR REPORTS EDITCAR SEARCH

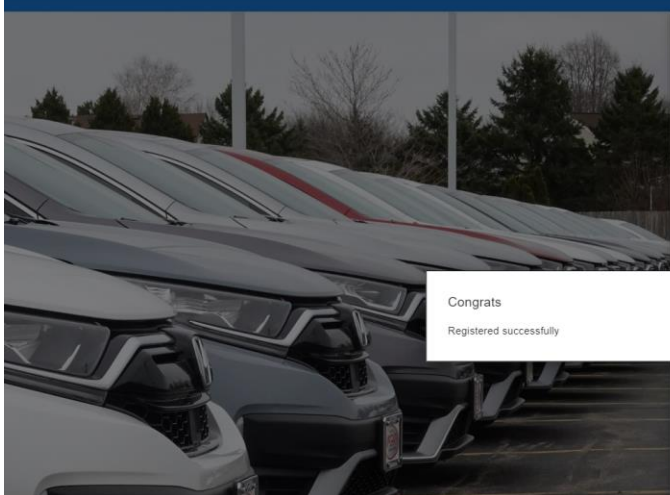


Add a new car

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		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	Optra	2015	950.5 L.E		Practical and elegant	

<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>Edit</div><div>Copy</div><div>Delete</div></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>Edit</div><div>Copy</div><div>Delete</div></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>Edit</div><div>Copy</div><div>Delete</div></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>Edit</div><div>Copy</div><div>Delete</div></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>Edit</div><div>Copy</div><div>Delete</div></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>Edit</div><div>Copy</div><div>Delete</div></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>Edit</div><div>Copy</div><div>Delete</div></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>Edit</div><div>Copy</div><div>Delete</div></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	2001	It is a	6000	Available	Gold	Egypt	2400 CC	2019-05-22	2019-05-24	2019-12-01	reserved	6	n

- 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

Table Data

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

Table Data

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

ADDCARREPORTSEDITCAR

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

ADDCARREPORTSEDITCARSEARCH

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