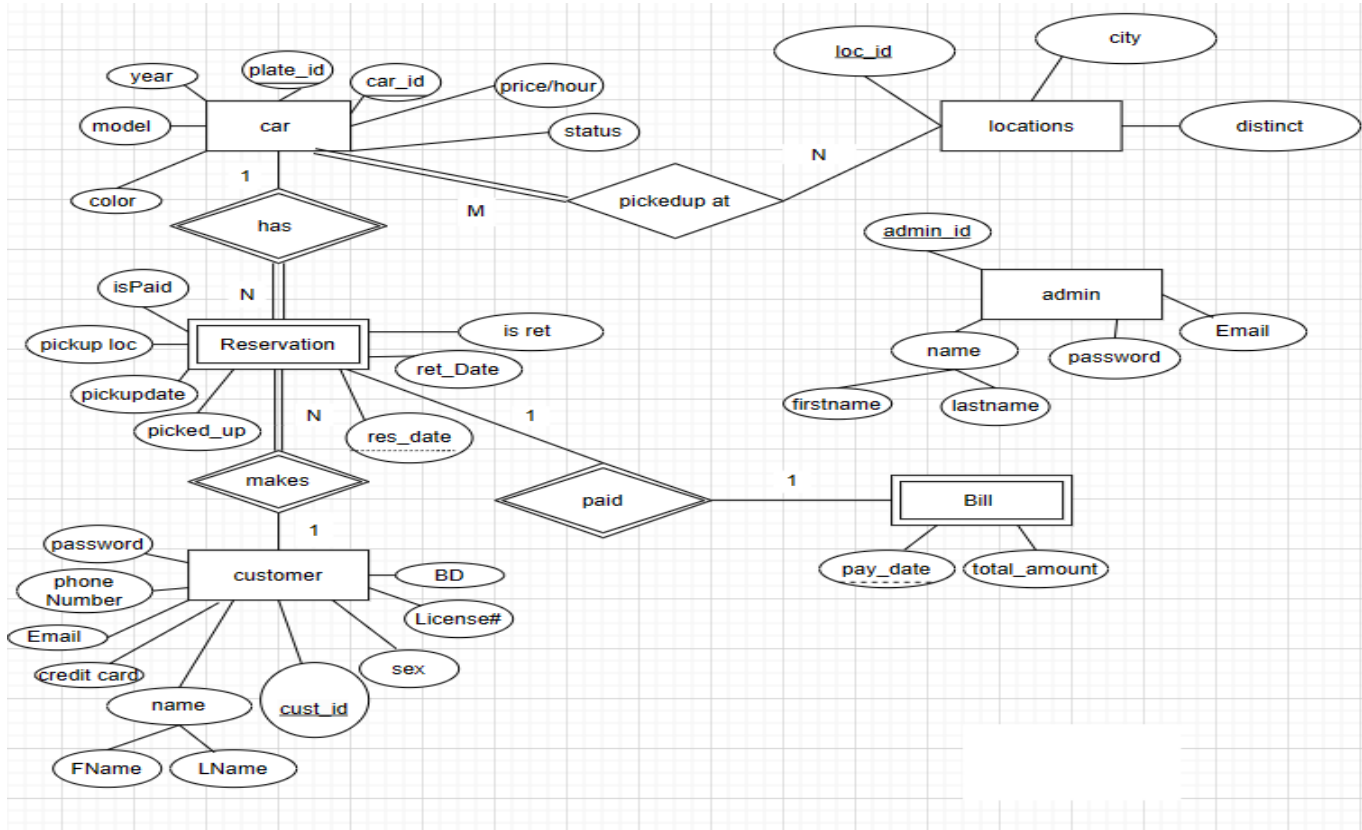


ERD :



DDL:

```
-- Create Car Rental System Database
create database Car_Rental_System;
use Car_Rental_System;
-- Create Table Car
create table Car(
    car_id INT AUTO_INCREMENT,
    plate_id VARCHAR(10) NOT NULL UNIQUE,
    model VARCHAR(225),
    year YEAR,
    color VARCHAR(225),
    status VARCHAR(225),
    price_per_hour DECIMAL(10,2),
    CONSTRAINT PRIMARY KEY (car_id)
);
-- Create Table locations
create table locations(
    loc_id int AUTO_INCREMENT,
    city varchar(225) Not NULL,
    district varchar(225) Not NULL,
    CONSTRAINT PRIMARY KEY (loc_id)
);
```

```

-- Create Table Pickup_Locations
create table Pickup_Locations(
    car_id INT,
    pickup_loc INT,
    CONSTRAINT PRIMARY KEY (car_id, pickup_loc),
    FOREIGN KEY (pickup_loc) REFERENCES locations(loc_id)

);

-- Create Table Reservation
create table Reservation(
    car_id int,
    cust_id int,
    res_date datetime,
    pickup_date datetime,
    picked_up boolean,
    pickup_loc int,
    is_ret boolean,
    ret_date datetime,
    isPaid boolean,
    CONSTRAINT PRIMARY KEY (car_id, cust_id, res_date)
);

-- Create Table Customer
create table Customer(
    cust_id int AUTO_INCREMENT,
    last_name varchar(225) NOT NULL,
    first_name varchar(225),
    sex varchar(6),
    driving_license_no varchar(225) NOT NULL UNIQUE,
    email varchar(225),
    password varchar(225),
    birth_date date,
    phone_no varchar(225) UNIQUE,
    card_no varchar(225) UNIQUE,
    CONSTRAINT PRIMARY KEY (cust_id)
);

-- Create Table Admin
create table Admin(
    admin_id int AUTO_INCREMENT,
    last_name varchar(225) NOT NULL,
    first_name varchar(225),
    email varchar(225),
    password varchar(225),
    CONSTRAINT PRIMARY KEY (admin_id)
);

-- Create Table Payment
create table Payment(

```

```

car_id int,
cust_id int,
res_date datetime,
pay_date datetime,
total_amount decimal(10,2),
CONSTRAINT PRIMARY KEY (car_id, cust_id, res_date, pay_date)
);

-- 1. Add foreign key car_id in the Pickup_Locations table
ALTER TABLE Pickup_Locations
ADD CONSTRAINT FK_CAR_PICK FOREIGN KEY (car_id) REFERENCES CAR(car_id);

-- 2. Add foreign key (car_id, pickup_loc) in the Reservation table
ALTER TABLE Reservation
ADD CONSTRAINT FK_CAR_PICK_RES FOREIGN KEY (car_id, pickup_loc) REFERENCES
Pickup_Locations(car_id, pickup_loc);

-- 3. Add foreign key cust_id in the Reservation table
ALTER TABLE Reservation
ADD CONSTRAINT FK_CUST_RES FOREIGN KEY (cust_id) REFERENCES CUSTOMER(cust_id);

-- 4. Add foreign key (car_id,cust_id,res_date) in the Payment table
ALTER TABLE Payment
ADD CONSTRAINT FK_RES_PAY FOREIGN KEY (car_id, cust_id, res_date) REFERENCES
Reservation(car_id, cust_id, res_date);

```

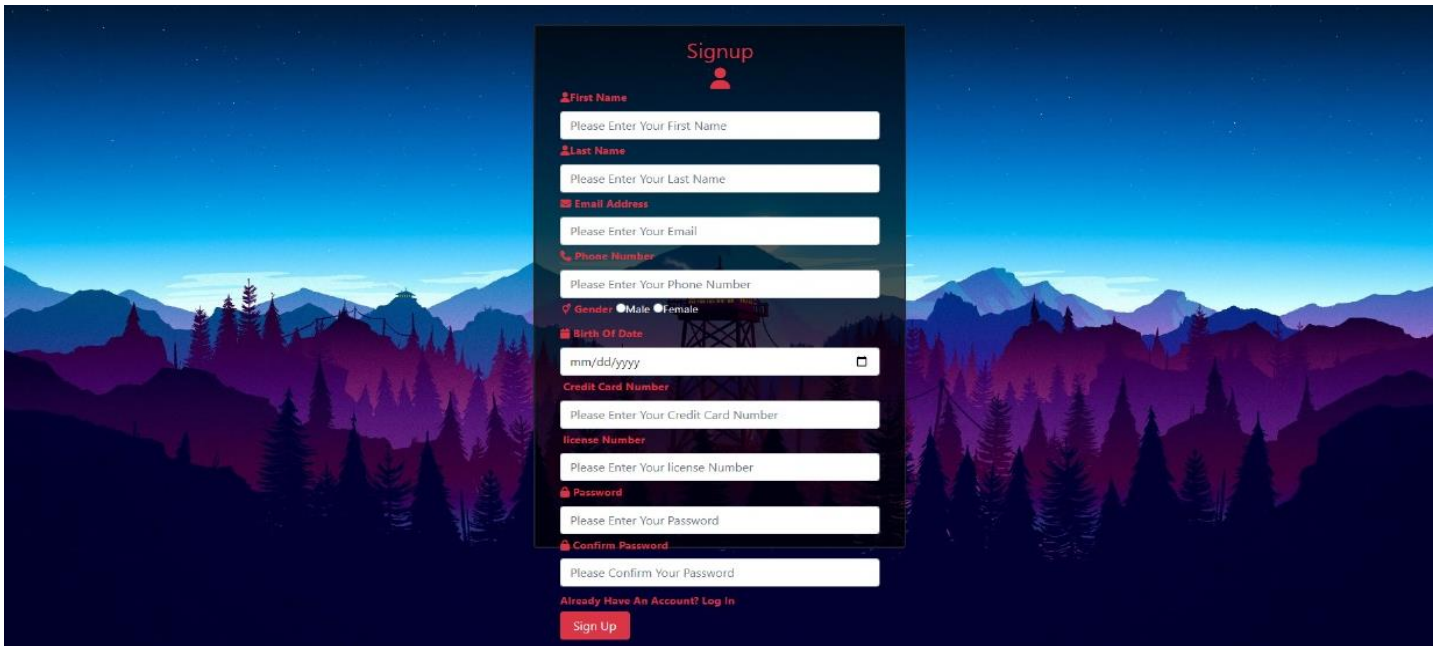
Home page :

- Home page included login & sign up buttons to go either to login or to signup



For User :

Sign up Page :



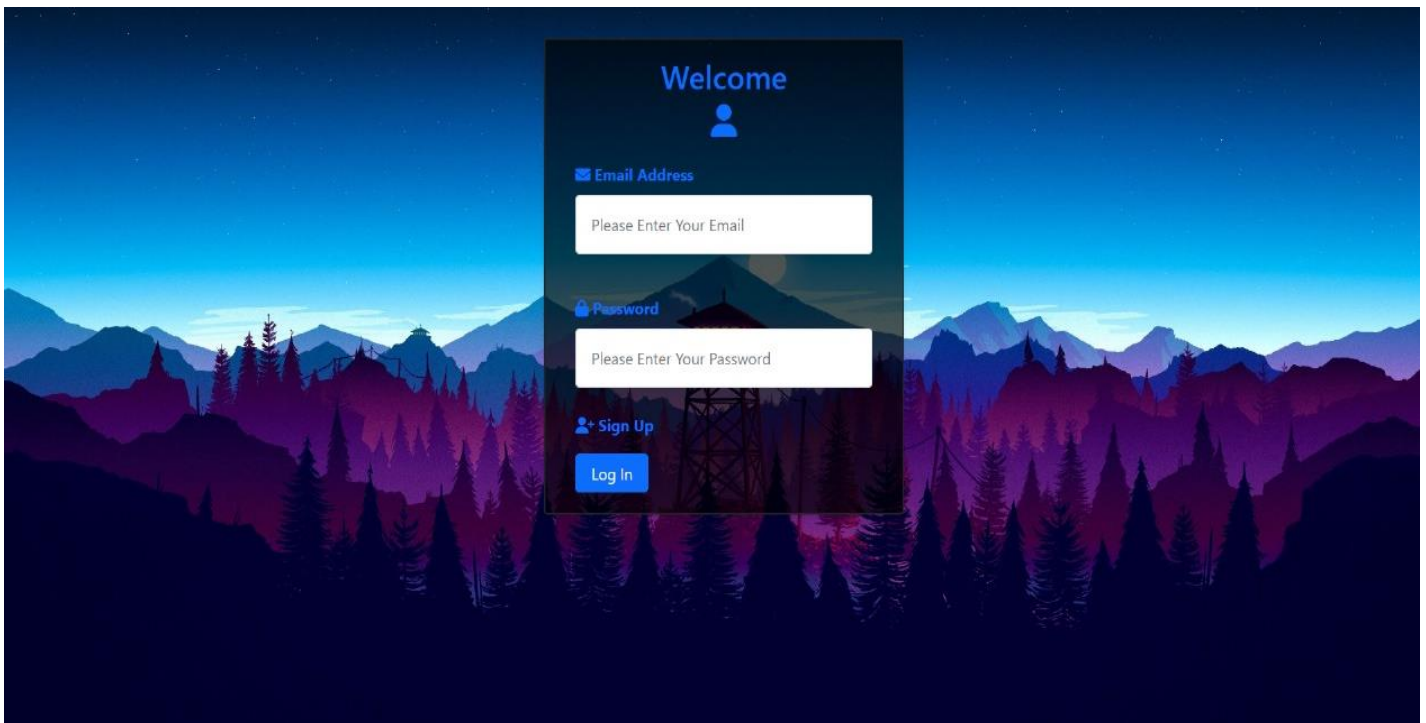
The Signup form is centered on a dark background with a scenic mountain and forest illustration. It includes the following fields and options:

- First Name**: Text input with placeholder "Please Enter Your First Name".
- Last Name**: Text input with placeholder "Please Enter Your Last Name".
- Email Address**: Text input with placeholder "Please Enter Your Email".
- Phone Number**: Text input with placeholder "Please Enter Your Phone Number".
- Gender**: Radio buttons for ☐ Male and ☐ Female.
- Birth Of Date**: Text input with placeholder "mm/dd/yyyy" and a calendar icon.
- Credit Card Number**: Text input with placeholder "Please Enter Your Credit Card Number".
- License Number**: Text input with placeholder "Please Enter Your license Number".
- Password**: Text input with placeholder "Please Enter Your Password".
- Confirm Password**: Text input with placeholder "Please Confirm Your Password".

Below the form, there is a link "Already Have An Account? Log In" and a red "Sign Up" button.

Login page:

- To login insert your email & password



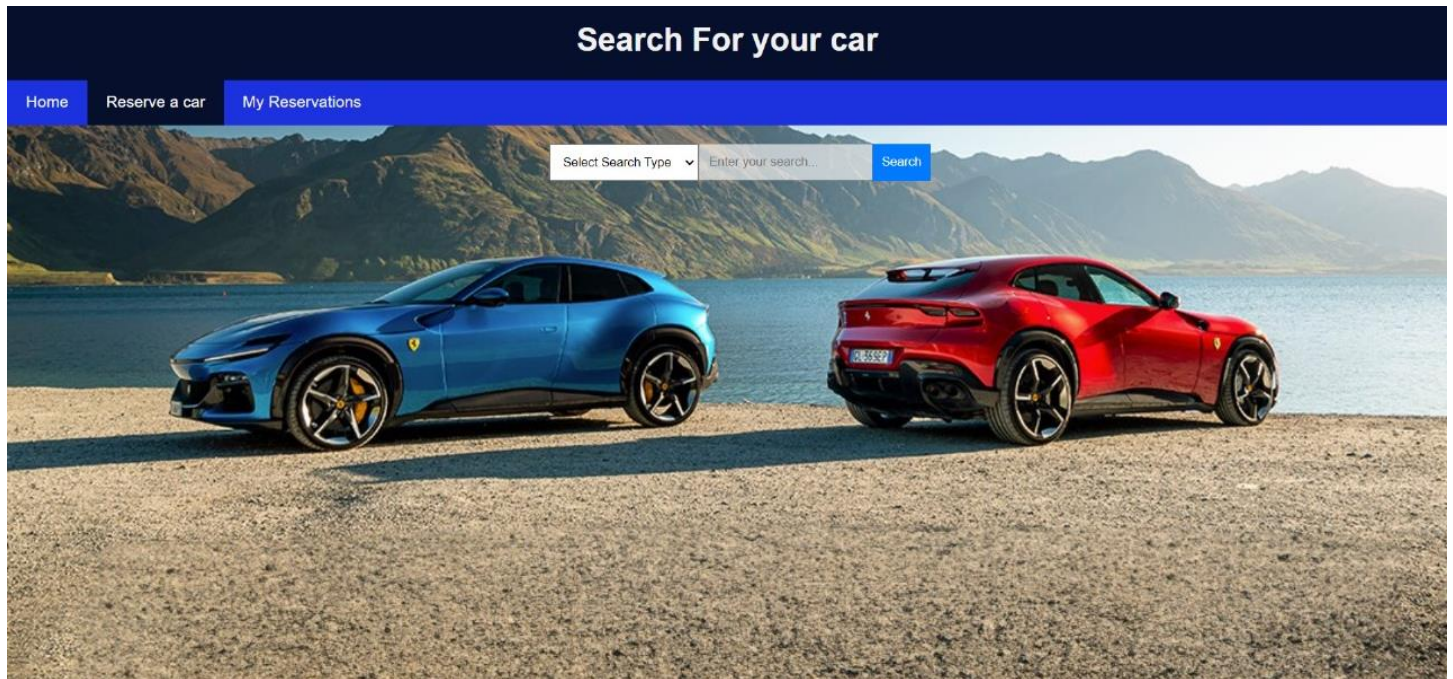
The Login form is centered on the same dark background with a scenic mountain and forest illustration. It includes the following fields and options:

- Email Address**: Text input with placeholder "Please Enter Your Email".
- Password**: Text input with placeholder "Please Enter Your Password".

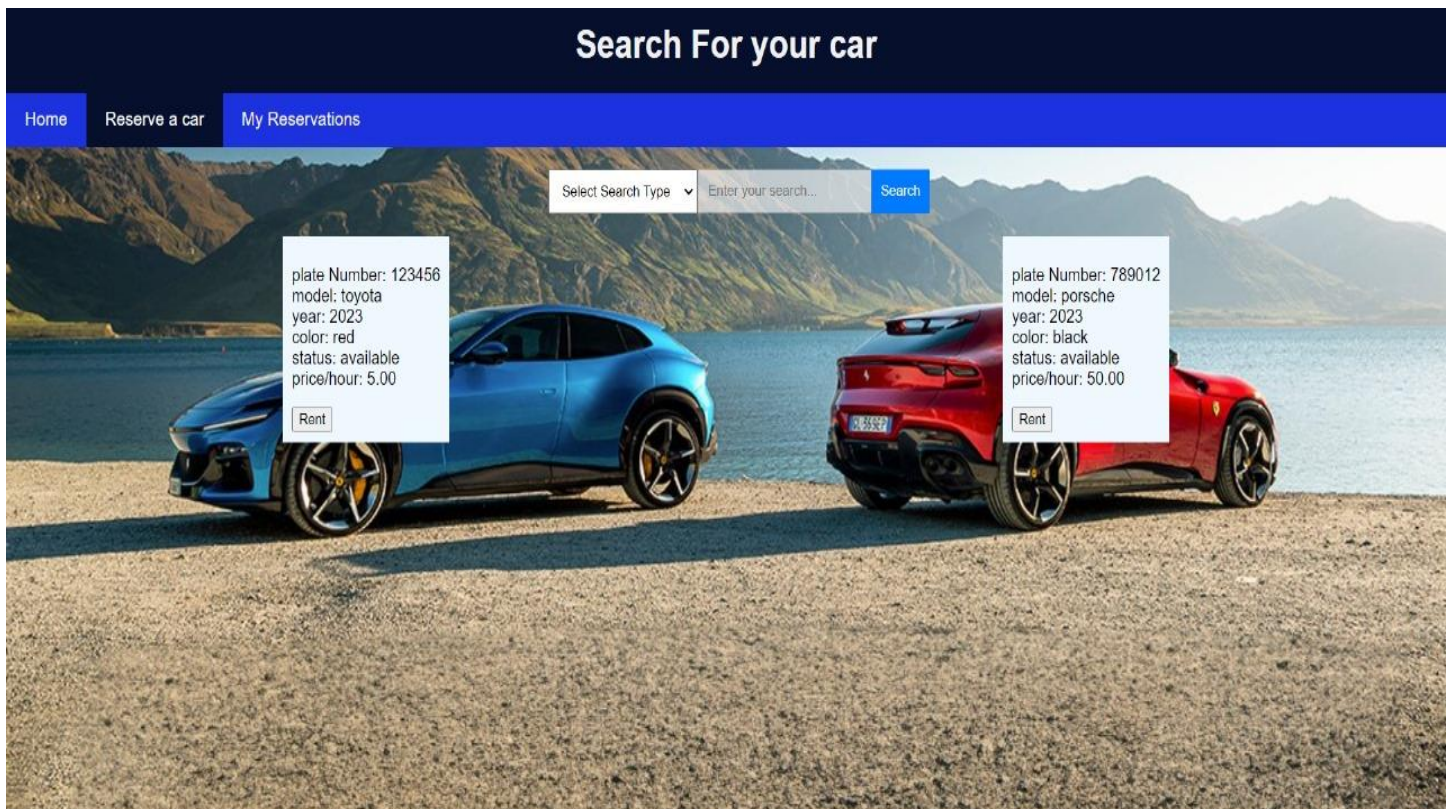
Below the form, there are two buttons: a blue "Sign Up" button and a blue "Log In" button.

Search page :

- Search the available cars by any of the car specs according to their needs.

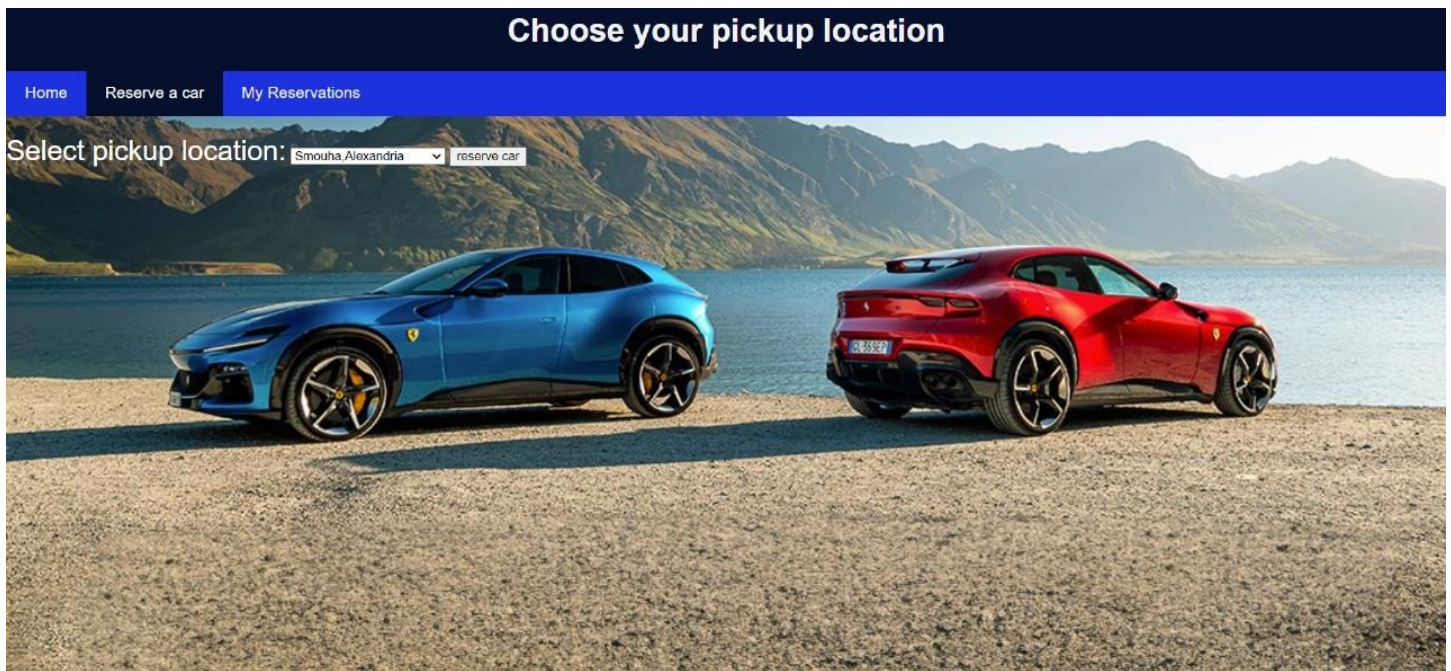


Output for search page :

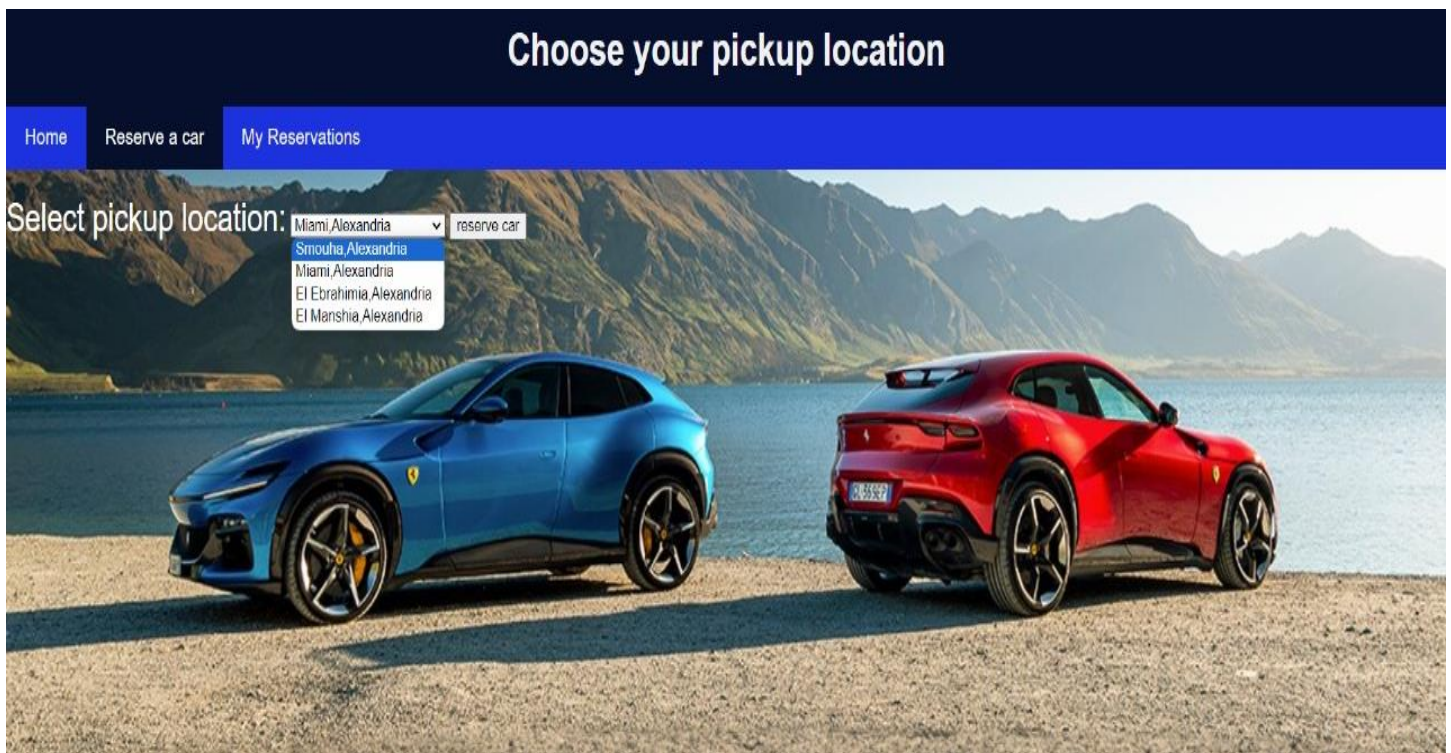


PickUpLoc :

- To choose location to pick up a car from it .



- Reserve car button : it calls rent.php to add reservation to database .




Reservations page :

- Every reservations which are not paid yet .

My Reservations

[Home](#) [Reserve a car](#) [My Reservations](#)

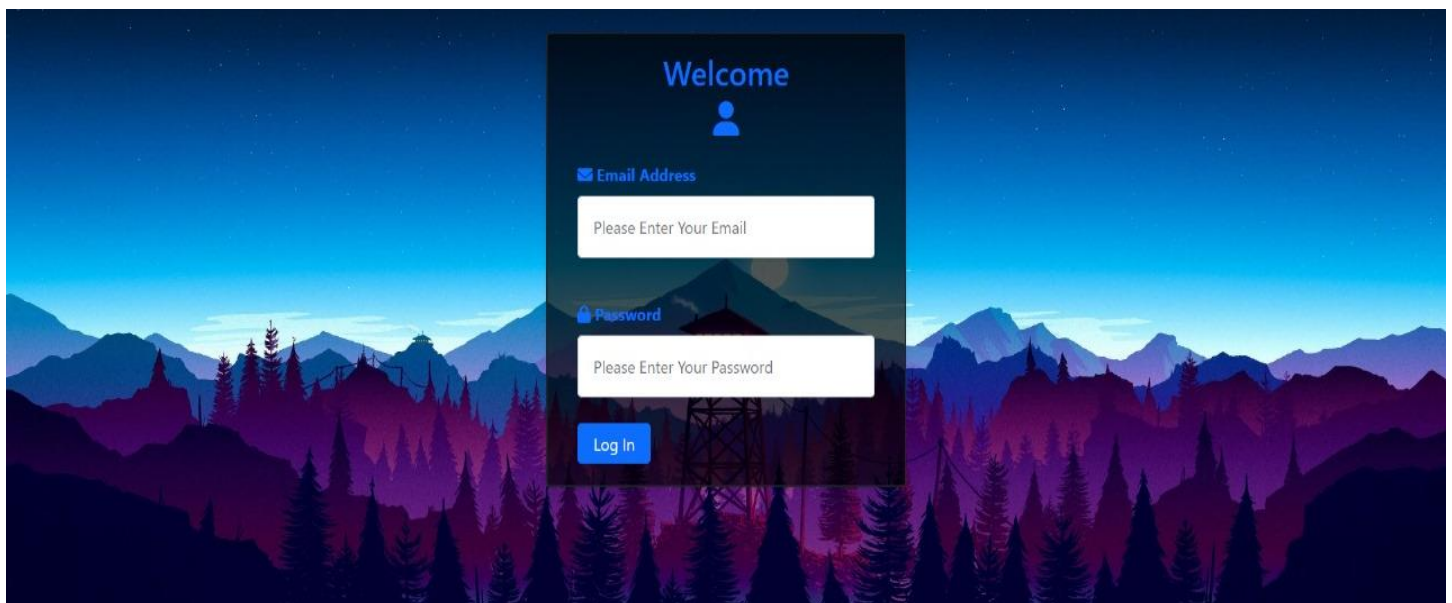
plate ID	model	color	price/hour	res date	pick up date	return date	amount to be paid	pay
123456	toyota	red	5.00 \$	2024-01-02 05:57:17				pay
567890	Ford	red	25.00 \$	2024-01-02 05:57:37				pay



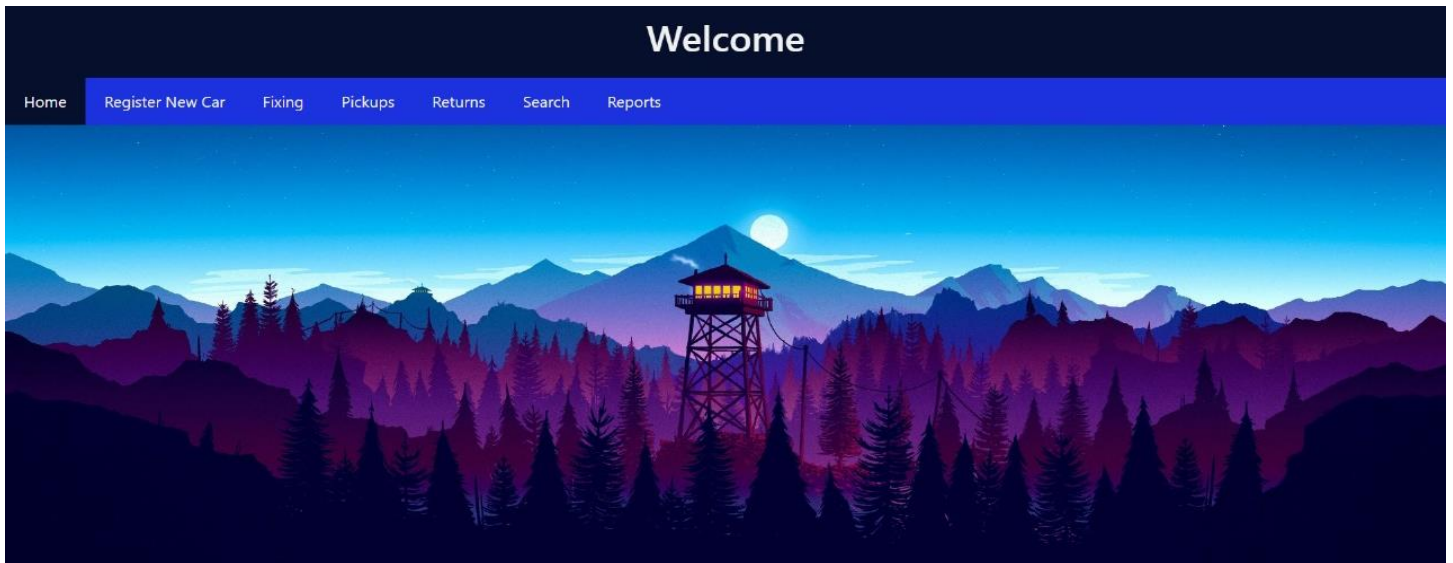
- Pay button is disabled when car is not return .
- When it became returned , this button will be enabled and the car will be paid by pay.php

For admin :

Login page :



Home page :



Register new car:

- to register new car please enter plate id , car model , year , color & car price/hour .
- Then click on add car button .

The screenshot shows the "Register New Car" page. The header is dark blue with the title "Register New Car" in white. The navigation bar has a blue background with white text links: "Home", "Register New Car", "Fixing", "Pickups", "Returns", "Advanced Search", and "Basic Reports". The main content area features a large, stylized illustration of a mountain range at dusk or dawn, with a full moon in the sky and a small wooden tower with a light on top. The illustration is in shades of blue, purple, and pink. In the center of the page, there is a dark blue overlay box with the title "Enter The New Car Specifications" in white. Below the title, there are five input fields with labels in blue text: "Plate ID", "Model", "Year", "Color", and "Price/Hour". Each input field has a white border and a placeholder text. At the bottom of the overlay box, there is a blue button with the text "Add Car" in white.

Fixing page :

- fix.php & fix_aux.php : enable admin to make a car out of service for 1 second then make it available after 1 second .

Fixing							
Home	Register New Car	Fixing	Pickups	Returns	Search	Reports	
car ID	plate ID	model	year	color	status	price/hour	needs fixing
2	234567	kia	2024	blue	out of service	5.00 \$	Fixing Done
3	345678	BMW	2022	black	available	15.00 \$	Needs Fixing
4	456789	Audi	2020	grey	available	20.00 \$	Needs Fixing
6	678901	Honda	2021	blue	out of service	10.00 \$	Fixing Done
7	789012	porsche	2023	black	available	50.00 \$	Needs Fixing
8	890123	Chevrolet	2018	grey	available	15.00 \$	Needs Fixing
9	901234	Fiat	2021	red	available	5.00 \$	Needs Fixing
10	012345	Hyundai	2020	blue	out of service	5.00 \$	Fixing Done
11	135791	kia	2016	black	available	5.00 \$	Needs Fixing
12	246802	Honda	2022	grey	available	5.00 \$	Needs Fixing

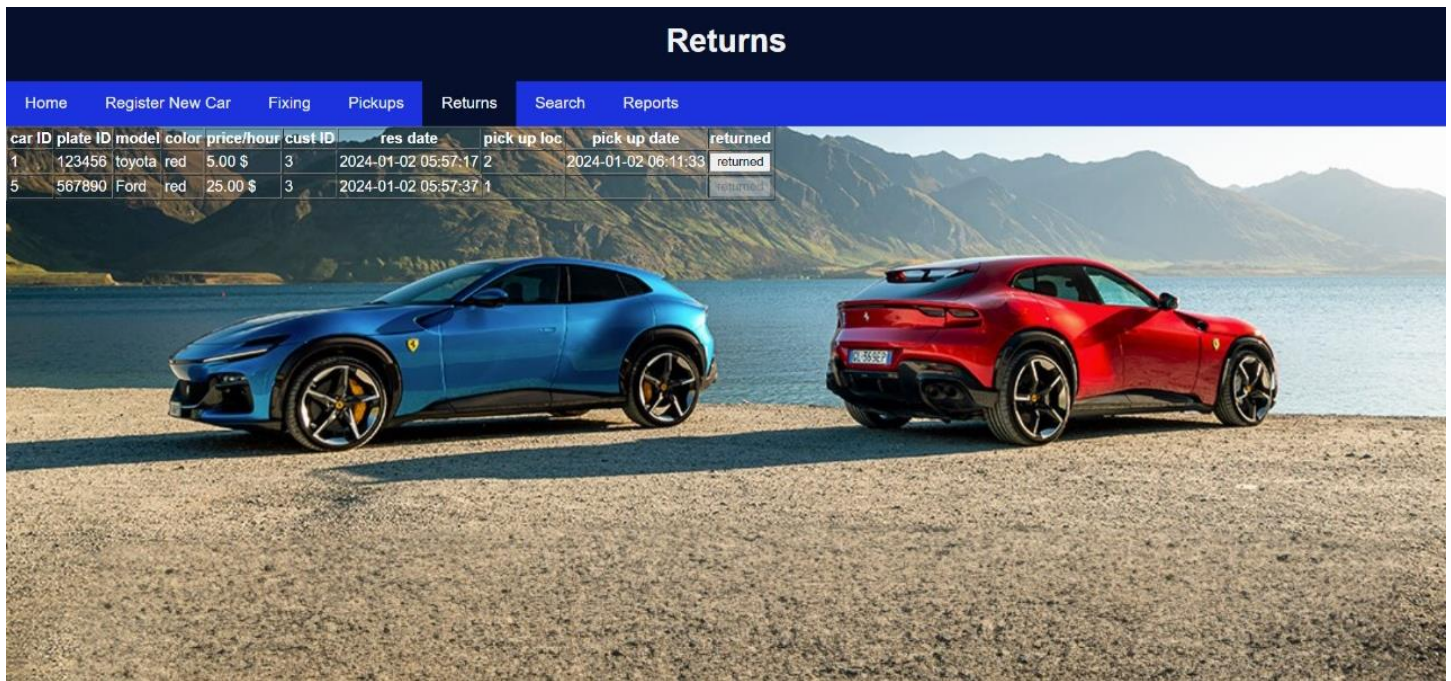
Pickups page :

- pickup.php w pickp_aux.php : enable admin to update DB for reserved car but now it is pickedup

Pickups							
Home	Register New Car	Fixing	Pickups	Returns	Search	Reports	
car ID	plate ID	model	color	price/hour	cust ID	res date	pick up loc
1	123456	toyota	red	5.00 \$	3	2024-01-02 05:57:17	2
5	567890	Ford	red	25.00 \$	3	2024-01-02 05:57:37	1

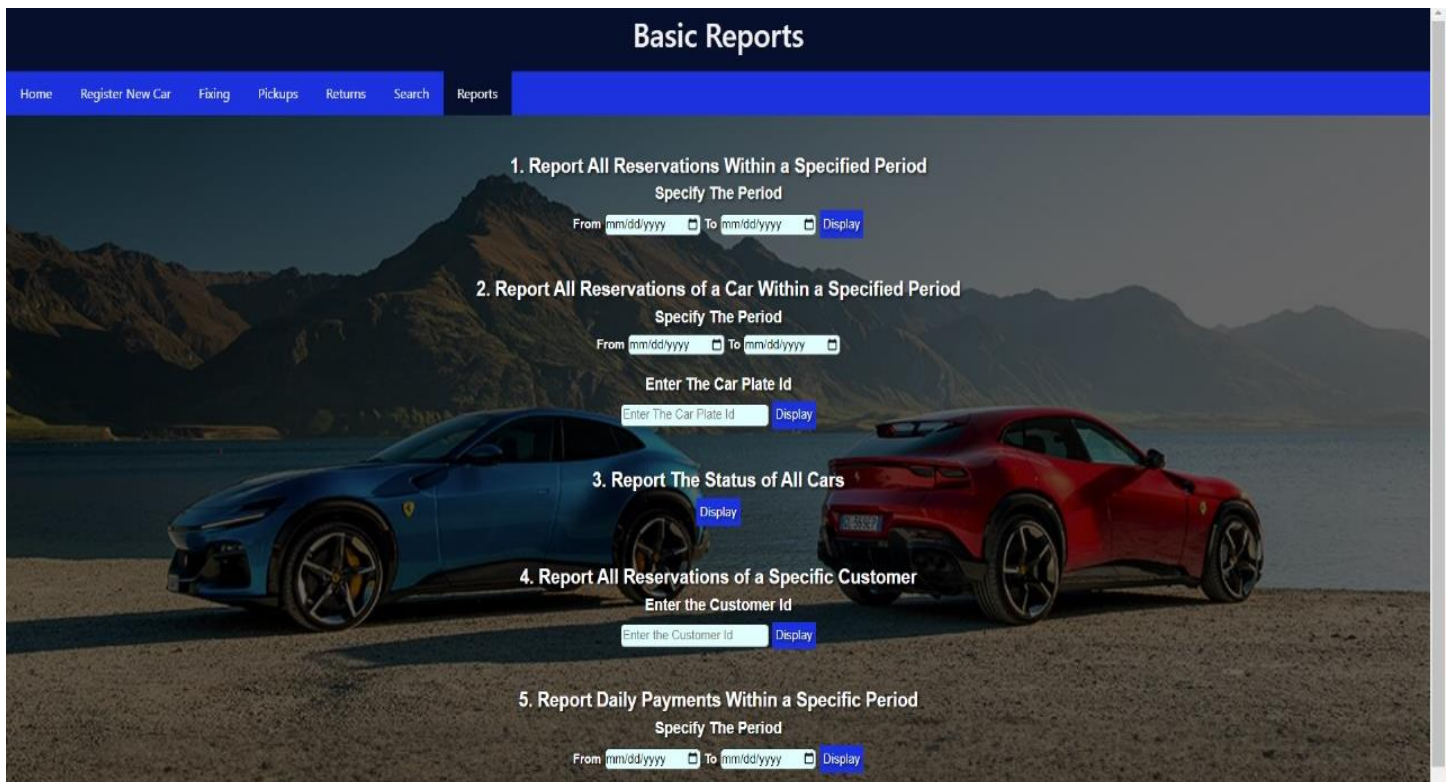
Return page :

- return.php w return_aux.php : enable admin to update DB for returning car .



Basic report page :

- reports.php from report1.php to report5.php : making reports .



Advanced search :

- searching by car information , by customer information or by reservation day .

Search

Home Register New Car Pickups Returns Search Reports

1. Search By Car Information

Select Search Type Enter your search... Search

2. Search By Customer Information

Select Search Type Enter your search... Search

3. Search By Reservation Day

Choose Reservation Day mm/dd/yyyy Search