

Admin Documentation

1.Admin need to run the code in admin module like below

```
D:\Car_Rentals>python car_rental.py admin
1. Register Admin
2. Login
Enter your choice:
```

2.Any admin can only register new admins.

Admin_username-admin

Admin_Password-admin12345

Please see the below

```
D:\Car_Rentals>python car_rental.py admin
1. Register Admin
2. Login
Enter your choice: 1
Only authenticated admins can register new admins.
Enter admin username: admin
Enter admin password: admin12345
Welcome, Admin admin!
Enter new admin username: Kiran
Enter new admin password: Kiran12345
Admin 'Kiran' registered successfully!
```

2.Admin can login as below. After login it will display the admin menu

```
D:\Car_Rentals>python car_rental.py admin
1. Register Admin
2. Login
Enter your choice: 2
Enter admin username: Kiran
Enter admin password: Kiran12345
Welcome, Admin Kiran!

Admin Menu:
1. Add Car
2. Update Car
3. Delete Car
4. List Bookings
5. Approve Booking
6. Reject Booking
7. Exit
Enter your choice:
```

3.If admin selects option 1in the Admin menu .Admin can add a car like below

```
Admin Menu:
1. Add Car
2. Update Car
3. Delete Car
4. List Bookings
5. Approve Booking
6. Reject Booking
7. Exit
Enter your choice: 1
Enter car make: Ford
Enter car model: Mustang
Enter car year: 2021
Enter car mileage: 1000
Is the car available now? (yes/no): yes
Enter minimum rental period (in hours): 4
Enter maximum rental period (in hours): 24
Enter rental charge per hour (in NZD): 20
Enter tax rate (percentage): 10
Car added successfully!
```

An email notification to the admin will be sent when Car is added.

2.Option 2 Admin can update the car as below

```
Enter your choice: 2
Available Cars for Update:
Available Cars:
ID: 1, Make: Ford, Model: Mustang, Year: 2021, Mileage: 1000, Rental Charge/Hour: $20.00, Tax Rate: 10.00%, Min Rental Period: 4 hours, Max Rental Period: 24 hours
Enter the Car ID to update: 1
Current Details: Make: Ford, Model: Mustang, Year: 2021, Mileage: 1000, Min Rent Period: 4, Max Rent Period: 24, Rental Charge/Hour: 20.00, Tax Rate: 10.00
Enter new make (current: Ford):
Enter new model (current: Mustang):
Enter new year (current: 2021): 2020
Enter new mileage (current: 1000): 20
Is the car available? (yes/no, current: True):
Enter new min rent period (current: 4): 3
Enter new max rent period (current: 24): 48
Enter new rental charge/hour (current: 20.00):
Enter new tax rate (current: 10.00):
Car details updated successfully!
```

An email notification to the admin will be sent when Car is Modified.

3.Option 3 Admin menu can Delete the car from inventory as below.

```
Admin Menu:
1. Add Car
2. Update Car
3. Delete Car
4. List Bookings
5. Approve Booking
6. Reject Booking
7. Exit
Enter your choice: 3
Cars Available for Deletion:
ID: 1, Make: Ford, Model: Mustang, Year: 2020, Mileage: 20, Available: Yes
Enter the Car ID to delete: 1
Are you sure you want to delete the car with ID 1? (yes/no): yes
Car with ID 1 deleted successfully!
```

If it is in active booking it will not delete .Once booking id done admin can delete and an email notification will be sent to admin.

4.Option 4 Admin can List bookings which shows as below.

```
Admin Menu:
1. Add Car
2. Update Car
3. Delete Car
4. List Bookings
5. Approve Booking
6. Reject Booking
7. Exit
Enter your choice: 4
Bookings:
ID: 1, User: kiran, Car: Ford Mustang, Status: returned, Total Fee: $201.67,comments: approved,created_at: 2025-01-31 07:40:01.503346
ID: 2, User: kiran, Car: Ford Mustang, Status: returned, Total Fee: $199.83,comments: Approved,created_at: 2025-01-31 07:50:45.673804
```

5.Option 5 Admin can Approve the bookings as below

```
Admin Menu:
1. Add Car
2. Update Car
3. Delete Car
4. List Bookings
5. Approve Booking
6. Reject Booking
7. Exit
Enter your choice: 5

Pending Bookings:
Booking ID: 2, User: kiran, Car: Ford Mustang, Total Fee: $199.83

Enter the Booking ID to approve: 2
Enter the reason for approval (this will be sent to the admin only): Approved

Booking 2 has been approved successfully!
Email notification sent to kiran999.n@gmail.com

Email notifications sent to the customer and the admin successfully!
```

A email notifications will be sent to the booked user and admin.

6. Option 6 Admin can reject a booking as below

```
Admin Menu:
1. Add Car
2. Update Car
3. Delete Car
4. List Bookings
5. Approve Booking
6. Reject Booking
7. Exit
Enter your choice: 6

Pending Bookings:
Booking ID: 3, User: kiran, Car: Ford Mustang

Enter the Booking ID to reject: 3
Enter the reason for rejection: No Valid Documents
-
Booking 3 has been rejected successfully! The car is now available again.
Email notification sent to kiran999.n@gmail.com
-
Email notifications sent to the customer and the admin successfully!
```

An email notification will be sent to admin and user with the Reason for rejecting.