



## assignment 7

### Car Rental System

Create a Car rental system where users can rent Cars. The system should have the following functionalities:

Manage Car (CRUD operations)

Manage Customers (CRUD operations)

Manage Rentals (CRUD operations)

#### ! NOTE:

Ensure that when a Car is rented, it is marked as rented and cannot be rented again until returned.

### MongoDB Models:

Car: Should have fields like name, model, and rental status (available/rented).

Customer: Should have fields like name, password, email, and phone number.

Rental: Should have references to both Car and Customer and include fields for rental date and return date.

## User APIs:

- 1- Signup
- 2- Sign in
- 3- Get a specific user.
- 4- Get all users.
- 5- Update user (owner only)
- 6- Delete user (owner only)

## Car APIs:

- 1- Add car
- 2- Get a specific car
- 3- Get all cars
- 4- Update a car.
- 5- Delete a car.

## Rental APIs:

- 1- Create Rental
- 2- Update Rental
- 3- Delete Rental
- 4- Get all Rentals
- 5- Get a specific Rental

## Special APIs:

- 1- Get all cars whose model is 'Honda' and 'Toyota' (using query params)
- 2- Get **Available** Cars of a **Specific Model**.
- 3- Get Cars that are **Either** rented **or** of a Specific Model.
- 4- Get **Available** Cars of Specific Models **or** Rented Cars of a Specific Model