CAR RENTAL SYSTEM

This is the simple car rental system API which allows customer to rent car for specific dates and that different rates. The system can add Customers,cars, reservation, update rates and calculate amount dues for each rental.

Setup

1. Clone this repository to your local machine.
2. Import the Project into your Preferred IDE.
3. And go the application.properties file to modify your database.
4. Build and run the Project.

Usage

The system provides the following endpoints:

Add Customers

Enpoint : POST /customer
Add a new customer to the system.
Request body:

Json file
{
    "name" : "John",
    "phone" : "90887654321"
}

Add Car

Enpoint : POST /car
Add a new car to the system.
Request body:

Json file
{
    "model" : "Tesla Model S",
    "year" : 2022,
    "type" : "medium",
    "dailyRate" : 200.00,
    "weeklyRate" : 1000.00

}

Book Car

Enpoint : POST /reservatioin
Add a new reservation to the system.
Request body:

Json file
```
{
        "rentalType" : "daily",
        "carType" : "medium",
        "customerId" : 1,
        "startDate" : "2023-05-01",
        "endDate" : "2023-05-05"
}
```

Return Car

Enpoint : POST /return
Marks a rental a returned and calculates the amount due.
Request Parameters:

Param
```
{
        "rentalID" : 1
}
```

Update Car Pricing

Enpoint : POST /rates
Updates the daily and / or weekly rates for a car type.
Request Parameters:

Param
```
{
        "carType" : "medium",
        "dailyRate" : 250.00,
        "weeklyRate" : 1200.00
}
```