

# Equipment Rental Application

Solution is implemented as  
SQL Server LocalDb,  
.NET Core REST API  
Angular Front-End

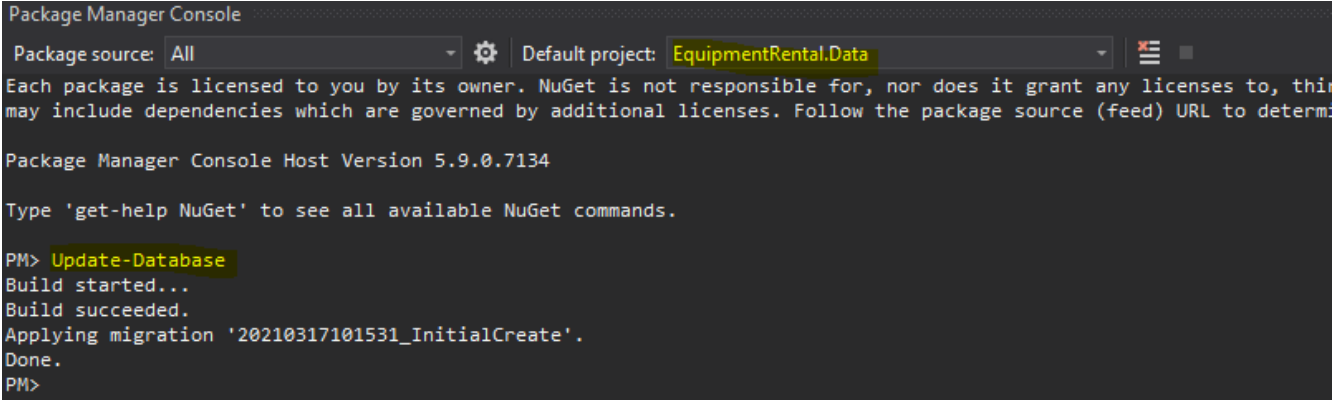
## Database setup

Install SQL Server LocalDb

<https://docs.microsoft.com/en-us/sql/database-engine/configure-windows/sql-server-express-localdb?view=sql-server-ver15>

In Visual Studio EquipmentRental.Data project run command

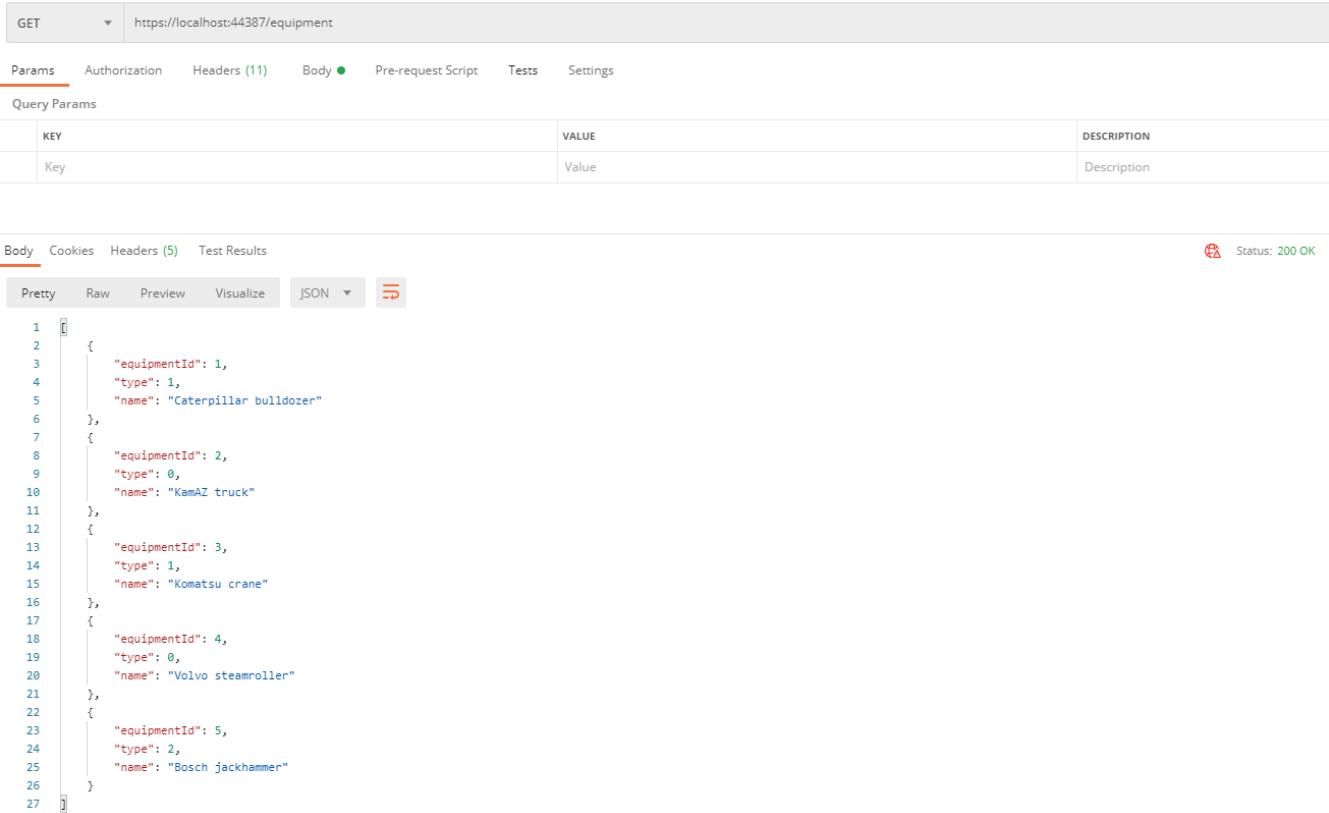
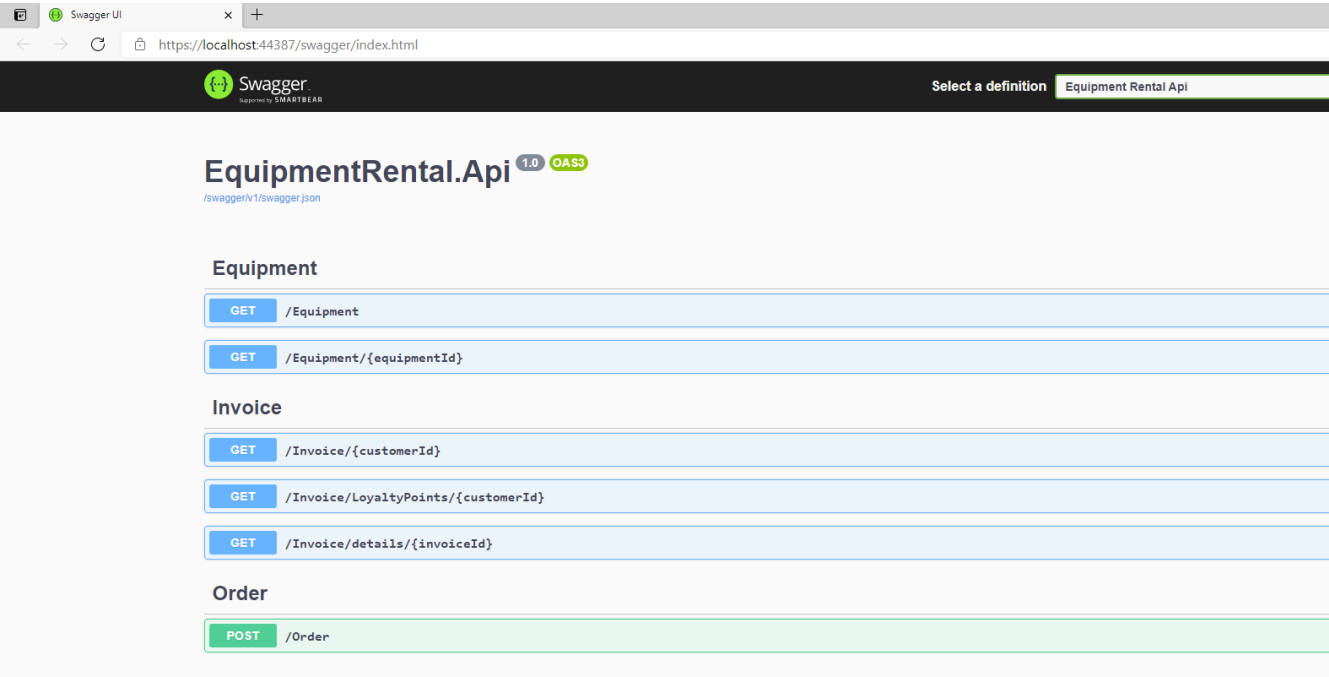
Update-Database



```
Package Manager Console
Package source: All [v] [g] Default project: EquipmentRental.Data [v] [x] [■]
Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant any licenses to, this
may include dependencies which are governed by additional licenses. Follow the package source (feed) URL to determi
Package Manager Console Host Version 5.9.0.7134
Type 'get-help NuGet' to see all available NuGet commands.
PM> Update-Database
Build started...
Build succeeded.
Applying migration '20210317101531_InitialCreate'.
Done.
PM>
```

Full backup EquipmentRental.bak is in folder /Database. After restore please update in appsettings.json  
the connection string parameter `ConnectionStrings: EquipmentRental`

API documentation generated in Swagger




API Equipment list end point


POST https://localhost:44387/Order

Params Authorization Headers (11) **Body** Pre-request Script Tests Settings

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL **JSON** ▼

```
1 [{
2   "EquipmentId": 1,
3   "Quantity": 1
4 },
5 {
6   "EquipmentId": 2,
7   "Quantity": 4
8 }
9 ]
```

Body Cookies Headers (5) Test Results  Status: 200 OK

Pretty Raw Preview Visualize **JSON** ▼ 

```
1 {
2   "invoiceId": 5,
3   "invoiceSum": 460,
4   "loyaltyPoints": 3
5 }
```


## API Order POST end point


GET https://localhost:44387/invoice/details/5

Params Authorization Headers (11) **Body** Pre-request Script **Tests** Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results  Status: 200 OK

Pretty Raw Preview Visualize **JSON** ▼ 

```
1 {
2   "invoiceId": 5,
3   "invoiceSum": 460.00,
4   "loyaltyPoints": 3,
5   "invoiceRows": [
6     {
7       "equipment": "Caterpillar bulldozer",
8       "rowSum": 160.00
9     },
10    {
11      "equipment": "KamAZ truck",
12      "rowSum": 300.00
13    }
14  ]
15 }
```

## API Invoice Detail end point

# Front End

EquipmenteRentalApp

localhost:4200/products

Equipment rentalProductsInvoicesCart

Products

[Caterpillar bulldozer](#)

[KamAZ truck](#)

[Komatsu crane](#)

[Volvo steamroller](#)

[Bosch jackhammer](#)

## Product list

EquipmenteRentalApp

localhost:4200/invoices

Equipment rentalProductsInvoicesCart

Invoices

Total Loyalty Points 7

ID	Sum	Loyalty Points
1	160	2
2	460	3
3	460	1
4	340	1

## Invoice List

EquipmenteRentalApp

localhost:4200/products/2

Equipment rentalProductsInvoicesCart

KAMAZ TRUCK

Number of days to rent:

Order

Product detail and add to cart

EquipmenteRentalApp

localhost:4200/cart

Equipment rentalProductsInvoicesCart

Shopping Cart

Checkout

Equipment	Days
KamAZ truck	7

Shopping Cart and Checkout