**Renting App - V1**

.NET Core 7

**Layers**

* API
* Business
* Data

**Packages Added**

* Entity Freamwork Core 7
* Newtonsoft
* Fluent Validation
* Serilog
* NUnit

**Testing**

* **Integration:** for each controller emulating app and token.
* **Unit Testing**: input validation and static methods.

**Authentication**

Using bearer token.

**User**: Admin

**Password**: Admin\_3792

It can be tested on swagger.

**API Endpoints**

**Car APIs**

Get Available Cars

**Request**

{

"endDate": "2023-07-25",

"startDate": "2023-07-28"

}

**Response**

{

"cars": [

{

"description": "Renault Captur",

"pricePerDay": 45,

"id": "04a1799e-8e3b-4b20-81ad-54abf7532d59"

},

{

"description": "Nisan Qashqai",

"pricePerDay": 45,

"id": "d7fae1de-48a9-4a3d-89da-c1b3ac797041"

}

]

}

Create New Car

**Request**

{

"description": "Audi A3",

"pricePerDay": 55,

"patentDate": "2020-03-07"

}

**Response**

Status 200 – No message

**Customer APIs**

Search Customers

**Request**

{

"name": "alan"

}

**Response**

{

customers: [

{

"fullName": "Alan Visno",

"document": "AAG5635",

"nationality": "ARG",

"id": "9f0a285b-76f3-4705-ac5a-e3a9806fb2f4"

}

]

}

**Rent APIs**

Get Customer Rents

**Request**

{

"customerId": "9f0a285b-76f3-4705-ac5a-e3a9806fb2f4"

}

**Response**

{

"rents": [

{

"logDate": "2023-07-25T18:53:01.2792579",

"deliveryDate": "2023-08-01T00:00:00",

"basePrice": 180,

"car": {

"description": "Renault Captur",

"pricePerDay": 45,

"id": "04a1799e-8e3b-4b20-81ad-54abf7532d59"

},

"returnLogDate": "2023-07-25T19:18:05.3100959",

"returnDate": "2023-08-05T00:00:00",

"returnProcessDate": "2023-08-07T00:00:00",

"recharge": 90,

"id": "d52368e5-b829-46ba-8f5e-2d31d13946ed"

}

]

}

Create a new Rent

**Request**

{

"customerId": "9f0a285b-76f3-4705-ac5a-e3a9806fb2f4",

"carId": "04a1799e-8e3b-4b20-81ad-54abf7532d59",

"deliveryDate": "2023-09-15",

"returnDate": "2023-09-17",

"pricePerDay": 45

}

**Response**

Status 200 – No message

Return Car

**Request**

{

"rentId": "d52368e5-b829-46ba-8f5e-2d31d13946ed",

"returnDate": "2023-07-25"

}

**Response**

Status 200 – No message