

N.B I have used JWT for enforcing security here. For developing this project All standard practice is followed i.e Repository pattern, DI, IOC, OOP concepts, Query Specification pattern. MSSQL used for data storage.

1. Execute EMSScript.sql

2. API testing endpoints:

Home

POST /api/Home/register

POST /api/Home/login

Product

GET /api/Product/ProductsList

GET /api/Product/ProductDetail

PUT /api/Product/UpdateProduct

POST /api/Product/CreateProduct

POST /api/Product/DeleteProduct

1. First Register or Login using Default Username and Password

- ```
{
 "isSuccessful": true,
 "message": "Successful",
 "data": "eyJhbGciOiJIUzI1NiIsInR5cGU6IjY0OCwiaXNzIjoiaHR0cHM6Ly9sb2NhbnVhc
}
```

- Solution 'EMS' Property Pages

Configuration: N/A Platform: N/A Configuration Manager...

Common Properties  
Startup Project  
Project Dependencies  
Code Analysis Settings  
Debug Source Files  
Configuration Properties

☐ Current selection  
☐ Single startup project  
WEBAPI

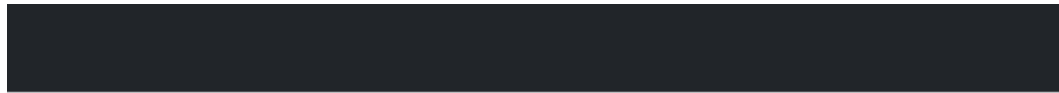
☒ Multiple startup projects:

| Project         | Action |
|-----------------|--------|
| angularproject1 | Start  |
| Core.EMS        | None   |
| Core.Utilis     | None   |
| Infra.EMS       | None   |
| Infra.Utilis    | None   |
| WEBAPI          | Start  |

OK Cancel Apply

3. Start Application.

- a. In Login Page you can login using your registered user or use default credential
  - i. Username: admin
  - ii. Password: 123456



# Login

Username

Password

Login

4. After login successful product crud page will appear

## Product Crud

Product Name:

Product Description

:

Product Cost:

Product Stock

Available :

### Product List

| # | Product Name | Description | Cost | Stock | Action                                                                      |
|---|--------------|-------------|------|-------|-----------------------------------------------------------------------------|
| 1 | Apple        | Apple       | 200  | 100   | <input type="button" value="Edit"/>   <input type="button" value="Delete"/> |

5. We can add update delete product here.

6. We can register new user for product management by clicking register tab.

## Register

Username

Password