Assessment Task:

Note: As a Backend Developer when you are developing the APIs, so APIs should not be openly available for use. So for this, I have secured my APIs by Implementing JWT Token Approach.

**Execute this Script**: databasescript.sql (Provided in Repo) used **Database first Approach**

**Task: 1:**

Create User. System shall not allow to add new user with already existing user email.

**API** URL: **api/Auth/registerUser**

– API to create/register User.

Input: **(Both inputs are Required)**

**{**

**"username": "string",**

**"password": "string"**

**}**

**API** URL: **api/Auth/Userlogin**

– API for User Login and Get the JWT Token.

Input: **(Both inputs are Required)**

**{**

**"username": "string",**

**"password": "string"**

**}**

**API** URL: **/api/Auth/Userlogin**

– API to Refresh the Token before the token expires, the responsibility to refresh the token by calling this api is of frontend developer. (**This API will Require the JWT Token as Authorization**)

In Header

authorization: bearer eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXNoYTUxMiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy9uYW1laWRlbnRpZmllciI6IjM4ZmE0NzhjLWFmMmUtNDA4ZS04MDY5LWM2ZTkyYmE4MWVkZiIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvY2xhaW1zL25hbWUiOiJzdHJpbmciLCJodHRwOi8vc2NoZW1hcy5taWNyb3NvZnQuY29tL3dzLzIwMDgvMDYvaWRlbnRpdHkvY2xhaW1zL3JvbGUiOiJDdXN0b21lciIsImV4cCI6MTY3MDUyNjY1NH0.m85Ne0ZRUlCiqiZO-lJwZWjsuy6y\_BD0R20mslWgX-fmQgpQPdKVWexxfkDDn53f1CSYnuRGYuHDCHvCU\_Ay1Q

Input: **(Both inputs are Required)**

**{**

**"username": "string",**

**"password": "string"**

**}**

**Task 2:**

Create APIs for Products (List, Add/Edit and Delete)

There is the **Same API** for Add or Edit Product. Just you have to pass the flag:

**For Add: false flag**

**API** URL: **/api/Product/AddorEditProduct/false**

**For Edit: true flag**

**API** URL: **/api/Product/AddorEditProduct/true**

In Header

authorization: bearer eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXNoYTUxMiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy9uYW1laWRlbnRpZmllciI6IjM4ZmE0NzhjLWFmMmUtNDA4ZS04MDY5LWM2ZTkyYmE4MWVkZiIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvY2xhaW1zL25hbWUiOiJzdHJpbmciLCJodHRwOi8vc2NoZW1hcy5taWNyb3NvZnQuY29tL3dzLzIwMDgvMDYvaWRlbnRpdHkvY2xhaW1zL3JvbGUiOiJDdXN0b21lciIsImV4cCI6MTY3MDUyNjY1NH0.m85Ne0ZRUlCiqiZO-lJwZWjsuy6y\_BD0R20mslWgX-fmQgpQPdKVWexxfkDDn53f1CSYnuRGYuHDCHvCU\_Ay1Q

Input: **if Edit Operation**

{

"id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",

"name": "string",

"description": "string",

"quantity": 11241,

"price": 124.124

}

Input: **if Add Operation**

{

"name": "string",

"description": "string",

"quantity": 11241,

"price": 124.124

}

**List Products: with Pagination Approach**

**Here pageSize in url represents the total no of records in page.**

**And index represents the page index. 0th index means first page.**

Api URL: **/api/Product/GetProducts?pageSize=10&index=0**

**}**

In Header

authorization: bearer eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXNoYTUxMiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy9uYW1laWRlbnRpZmllciI6IjM4ZmE0NzhjLWFmMmUtNDA4ZS04MDY5LWM2ZTkyYmE4MWVkZiIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvY2xhaW1zL25hbWUiOiJzdHJpbmciLCJodHRwOi8vc2NoZW1hcy5taWNyb3NvZnQuY29tL3dzLzIwMDgvMDYvaWRlbnRpdHkvY2xhaW1zL3JvbGUiOiJDdXN0b21lciIsImV4cCI6MTY3MDUyNjY1NH0.m85Ne0ZRUlCiqiZO-lJwZWjsuy6y\_BD0R20mslWgX-fmQgpQPdKVWexxfkDDn53f1CSYnuRGYuHDCHvCU\_Ay1Q

**Delete Product:** just provide the ProductId In parameter and authorization header.

Api Url: **/api/Product/DeleteProduct/5b3b6147-205f-437f-93cf-9c7357a8e98b**

In Header

authorization: bearer eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXNoYTUxMiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy9uYW1laWRlbnRpZmllciI6IjM4ZmE0NzhjLWFmMmUtNDA4ZS04MDY5LWM2ZTkyYmE4MWVkZiIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvY2xhaW1zL25hbWUiOiJzdHJpbmciLCJodHRwOi8vc2NoZW1hcy5taWNyb3NvZnQuY29tL3dzLzIwMDgvMDYvaWRlbnRpdHkvY2xhaW1zL3JvbGUiOiJDdXN0b21lciIsImV4cCI6MTY3MDUyNjY1NH0.m85Ne0ZRUlCiqiZO-lJwZWjsuy6y\_BD0R20mslWgX-fmQgpQPdKVWexxfkDDn53f1CSYnuRGYuHDCHvCU\_Ay1Q