**ASP.NET Core JWT Authentication and role-based authorization in .net 7.0**

1. Create Project: Using Visual Studio 2022

- API Project, Dotnet 7.0, and a class library project for data connectivity and migration

2. Install the Required Packages  
dotnet add package Microsoft.AspNetCore.Authentication.JwtBearer --version 7.0.4

dotnet add package Microsoft.AspNetCore.Identity.EntityFrameworkCore --version 7.0.4

dotnet add package Microsoft.EntityFrameworkCore.SqlServer --version 7.0.4

dotnet add package Microsoft.EntityFrameworkCore.Tools --version 7.0.4

3. Database connection: MSSQL: appsettings.json

4. Create models and complete ApplicationDbContext class

5. Update program.cs: AddDbContext

6. Database Migration  
dotnet ef migrations add InitialCreate

dotnet ef database update

-- using PMC

PM> add-migration initcreate

PM> update-database

7. Create Auth Controller

8. Crete Auth Service

9. Test API using postman

10. Deploy to IIS

11. Test API from IIS hosting