**WEEK5-6362596(SUPERSET I’D)**

**MICROSERVICES:-**

**CODE:-**

using Microsoft.AspNetCore.Authentication.JwtBearer;

using Microsoft.IdentityModel.Tokens;

using System.Text;

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.

builder.Services.AddControllers();

builder.Services.AddAuthentication(JwtBearerDefaults.AuthenticationScheme)

.AddJwtBearer(options =>

{

var jwtSettings = builder.Configuration.GetSection("Jwt");

// Fix for possible null reference

var jwtKey = jwtSettings["Key"] ?? throw new ArgumentNullException("Jwt:Key");

options.TokenValidationParameters = new TokenValidationParameters

{

ValidateIssuer = true,

ValidateAudience = true,

ValidateLifetime = true,

ValidateIssuerSigningKey = true,

ValidIssuer = jwtSettings["Issuer"],

ValidAudience = jwtSettings["Audience"],

IssuerSigningKey = new SymmetricSecurityKey(

Encoding.UTF8.GetBytes(jwtKey))

};

});

builder.Services.AddAuthorization();

var app = builder.Build();

// Configure the HTTP request pipeline.

app.UseAuthentication();

app.UseAuthorization();

app.MapControllers();

app.Run();

namespace JwtAuthApi.Models

{

public class LoginModel

{

public required string Username { get; set; }

public required string Password { get; set; }

}

}

VisualStudioVersion = 17.5.2.0

MinimumVisualStudioVersion = 10.0.40219.1

Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "JwtAuthApi", "JwtAuthApi\JwtAuthApi.csproj", "{6C8940DF-BF66-CD87-69F0-ED0F8275A4AA}"

EndProject

Global

GlobalSection(SolutionConfigurationPlatforms) = preSolution

Debug|Any CPU = Debug|Any CPU

Release|Any CPU = Release|Any CPU

EndGlobalSection

GlobalSection(ProjectConfigurationPlatforms) = postSolution

{6C8940DF-BF66-CD87-69F0-ED0F8275A4AA}.Debug|Any CPU.ActiveCfg = Debug|Any CPU

{6C8940DF-BF66-CD87-69F0-ED0F8275A4AA}.Debug|Any CPU.Build.0 = Debug|Any CPU

{6C8940DF-BF66-CD87-69F0-ED0F8275A4AA}.Release|Any CPU.ActiveCfg = Release|Any CPU

{6C8940DF-BF66-CD87-69F0-ED0F8275A4AA}.Release|Any CPU.Build.0 = Release|Any CPU

EndGlobalSection

GlobalSection(SolutionProperties) = preSolution

HideSolutionNode = FALSE

EndGlobalSection

GlobalSection(ExtensibilityGlobals) = postSolution

SolutionGuid = {4901BFDB-3FEE-47A7-B88D-C6E08A044633}

EndGlobalSection

EndGlobal

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{

"Jwt": {

"Key": "mysupersecretkey1234567890123456",

"Issuer": "MyAuthServer",

"Audience": "MyApiUsers",

"DurationInMinutes": 60

},

"Logging": {

"LogLevel": {

"Default": "Information",

"Microsoft.AspNetCore": "Warning"

}

},

"AllowedHosts": "\*"

}

{

"$schema": "https://json.schemastore.org/launchsettings.json",

"profiles": {

"http": {

"commandName": "Project",

"dotnetRunMessages": true,

"launchBrowser": false,

"applicationUrl": "http://localhost:5042",

"environmentVariables": {

"ASPNETCORE\_ENVIRONMENT": "Development"

}

},

"https": {

"commandName": "Project",

"dotnetRunMessages": true,

"launchBrowser": false,

"applicationUrl": "https://localhost:7124;http://localhost:5042",

"environmentVariables": {

"ASPNETCORE\_ENVIRONMENT": "Development"

}

}

}

}

**OUTPUT:-**



