# API core

# JWT Token

Step 1) Install package Microsoft.AspNetCore.Authentication.JWTBearer

Step 2) Add in appsetting.json the following code:

"JWTConfig": {

"Key": "This is my first JWT project"

}

Step 3) Add in startup.cs the following code:

services.AddAuthentication(JwtBearerDefaults.AuthenticationScheme).AddJwtBearer(options =>

{

var key = Encoding.ASCII.GetBytes(Configuration["JWTConfig:Key"]);

options.TokenValidationParameters = new TokenValidationParameters()

{

ValidateIssuerSigningKey = true,

IssuerSigningKey = new SymmetricSecurityKey(key),

ValidateAudience = false,

ValidateIssuer = false,

RequireExpirationTime=true

};

});

Step 4) Create a class JWTConfig.cs in Model folder:

public class JWTConfig

{

public string Key { get; set; }

}

Step 5) Add(at respective portions) in startup.cs file the following code:

services.Configure<JWTConfig>(Configuration.GetSection("JWTConfig"));

app.UseAuthentication();

Step 6) Add in Controller the following code:

private readonly JWTConfig \_JWTConfig;

public UserController(ILogger<UserController> logger, UserManager<AppUser> userManager,

SignInManager<AppUser> signInManager,IOptions<JWTConfig> jwtconfig)

{

\_logger = logger;

\_UserManager = userManager;

\_SignInManager = signInManager;

\_JWTConfig = jwtconfig.Value;

}