**Harry’s notes for software development**

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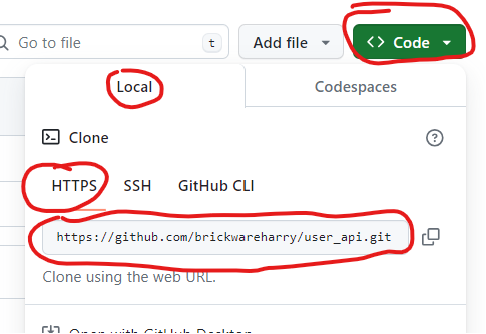
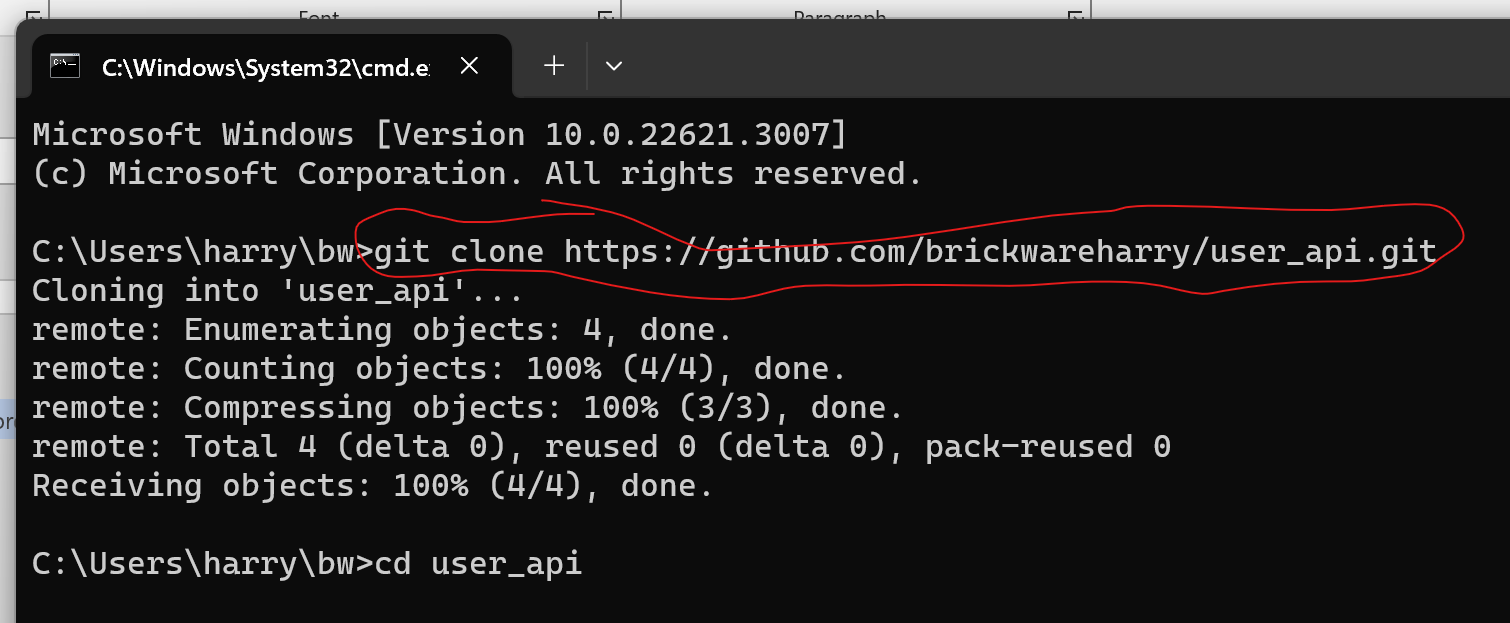
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# GitHub related

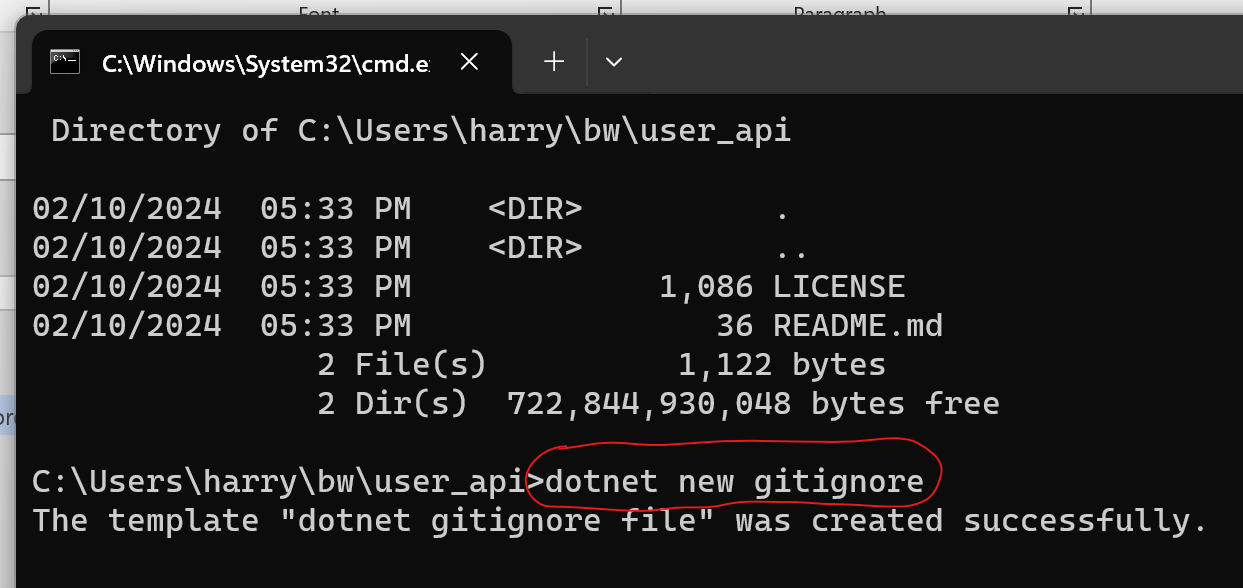
## Git clone

git clone <<URL of git repository, see screenshot below>>

## Create gitignore for .NET

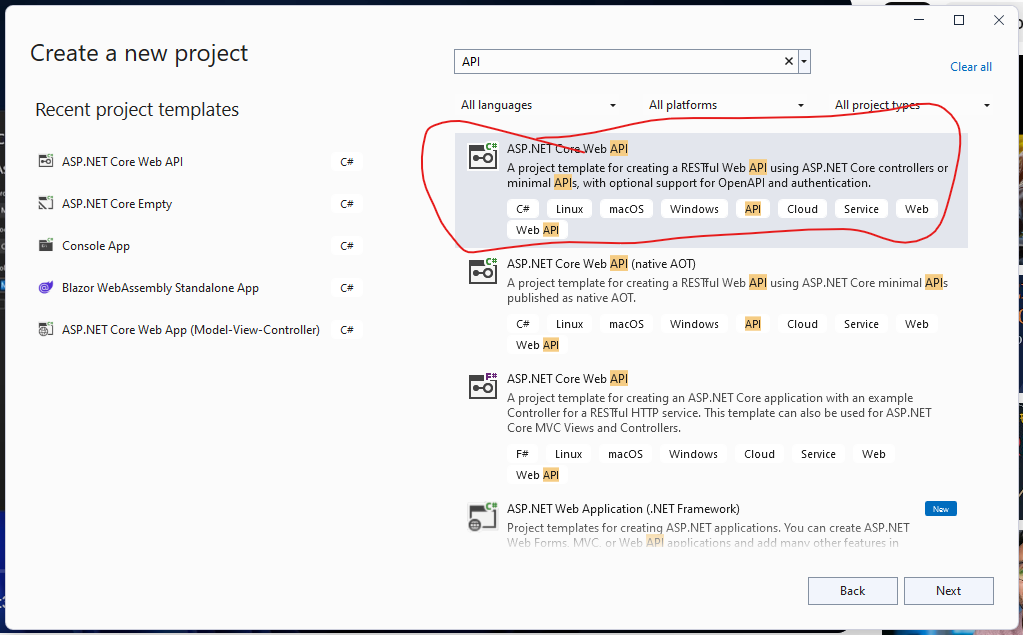
Give command “dotnet new gitignore” in the Command Prompt of the local repository, see screenshot below

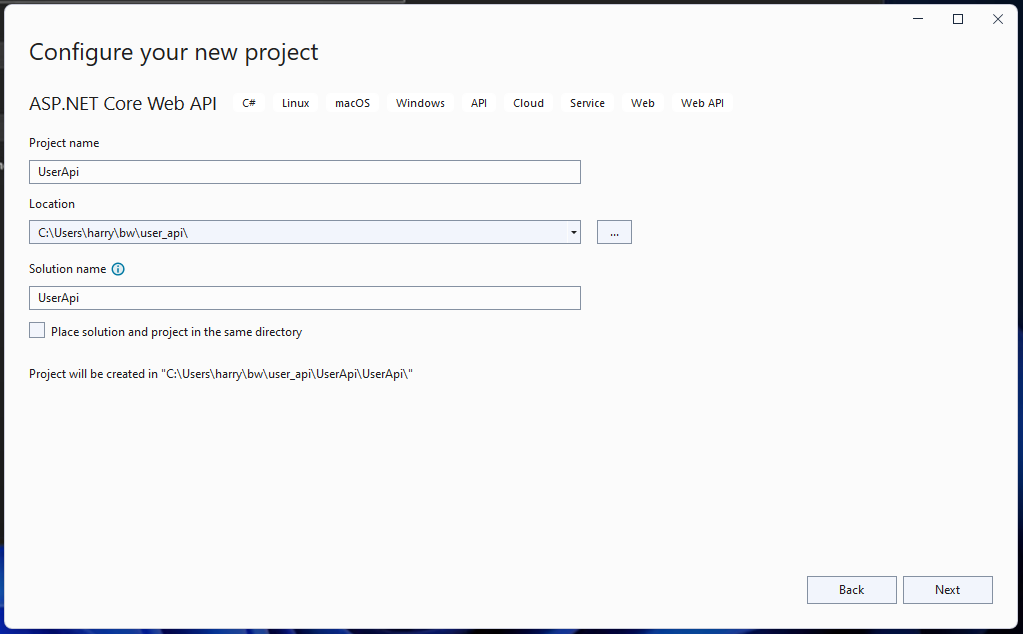
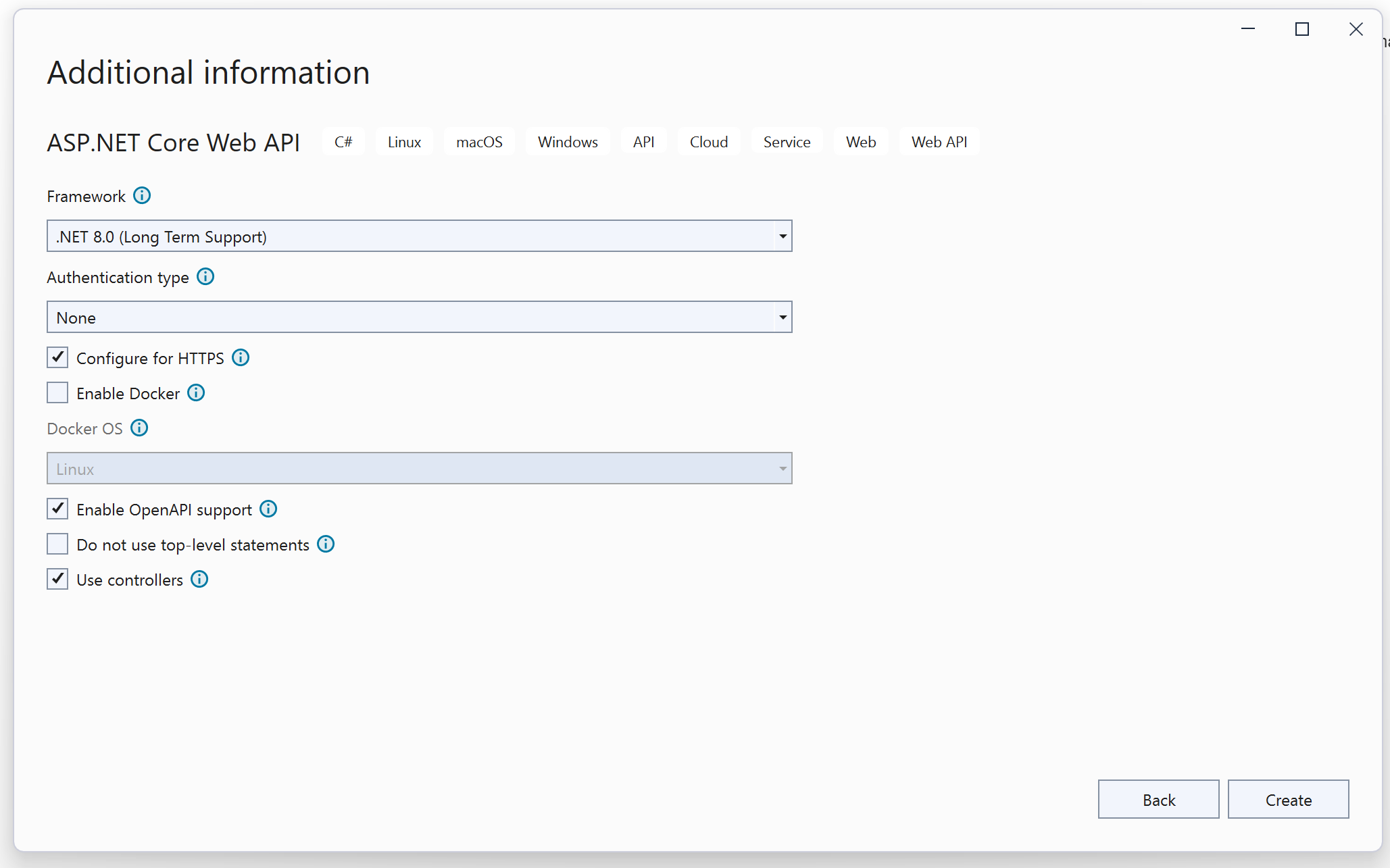


# API (.NET)

## Create API

* Create a new ASP.NET Core Web API project in Visual Studio



# Controller – .NET

## What make the controller to be a controller

* Has a suffix of Controller in the name of the class and file
  + Example: UserApiController
* Derive from the ControllerBase class under namespace of Microsoft.AspNetCore. Mvc
  + Example: public class UserApiController:ControllerBase
  + A using statement is needed below:
    - Example: using Microsoft.AspNetCore.Mvc;
* Need a controller attribute placed above the class
  + Example: [ApiController]
* Need a route attribute placed above the class
  + Example: [Route("api/UserApi")] or [Route("api/[Controller]")]

## What make an end point to be an end point

* Need a verb attribute place above the function of the end point
  + Example: [HttpGet] or [HttpGet(“{id:int}”)]

# Items is being Looked for solutions