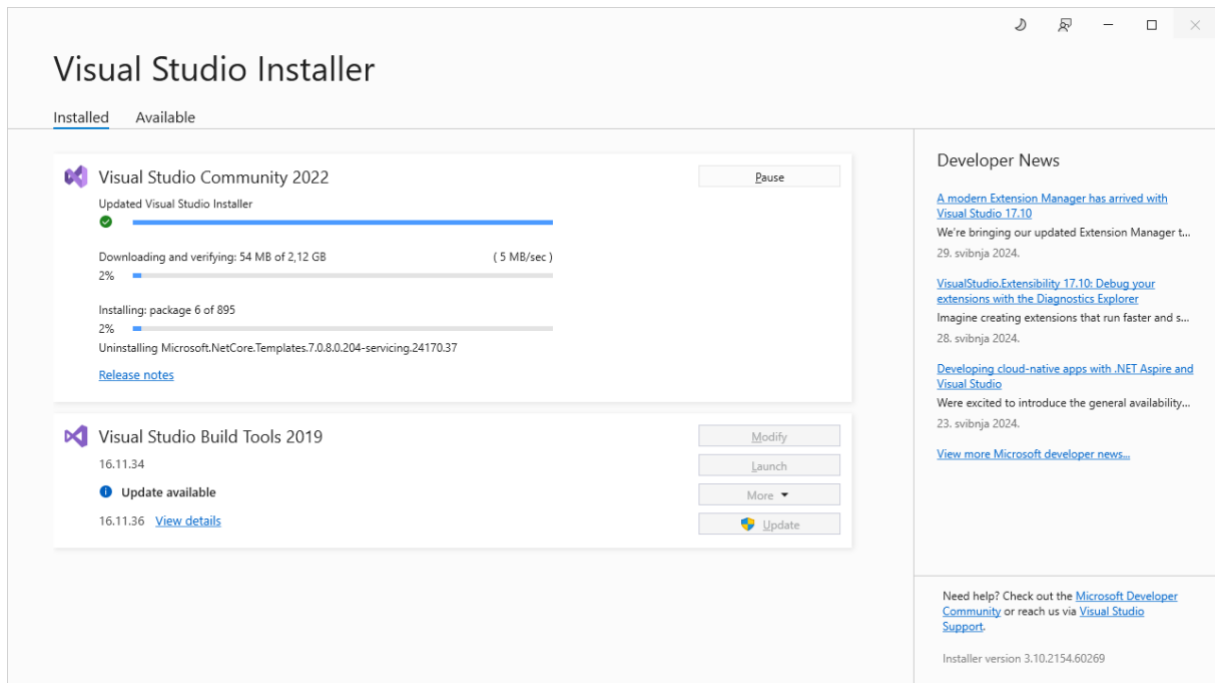


Po potrebi prvo napravite UPDATE MS Visual studio. Pokrenemo program Visual Studio Installer. Ja sam zadnji puta napravio 04. lipnja 2024. na verziju 17.10.1.

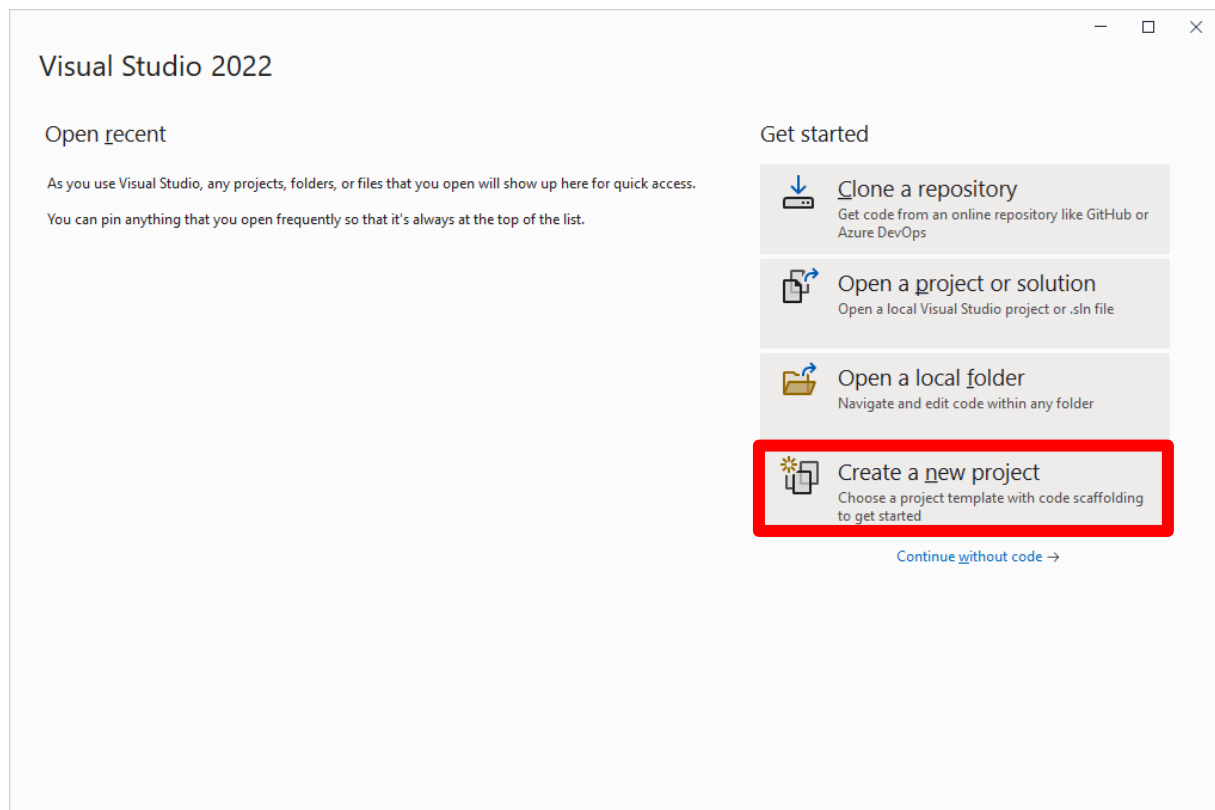


Možda će trebati restart, pa ako traži napravite restart računala!

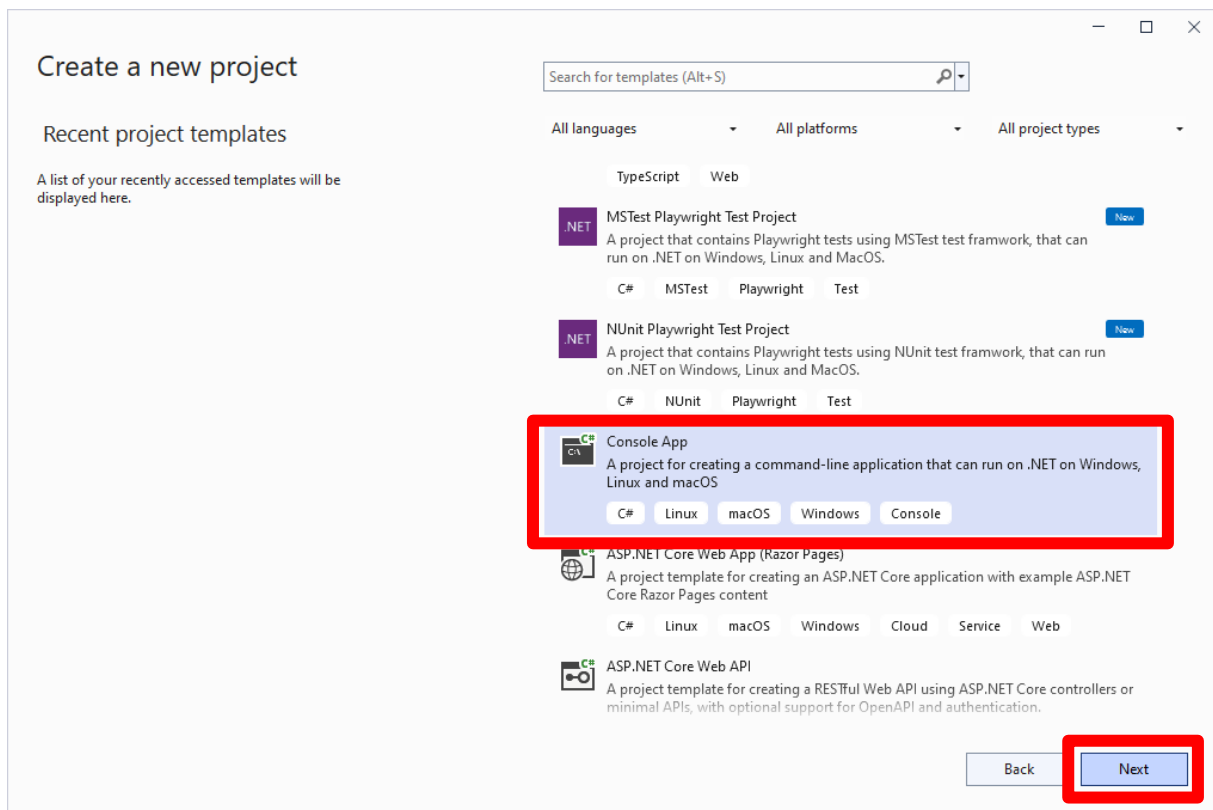
Učenje

Raditi ćemo paralelno na dva projekta(Project): **UčenjeCS** i **WebAPI** u sklopu rješenja (Solution) .

Prvo odaberemo Create a new project.



Zatim odaberemo Console App i odaberemo Next



Projekt nazovemo **UcenjeCS**, postavimo ga na lokaciju **CSHARP** (direktorij koji smo kreirali u našem git repozitoriju – pokraj direktorija SQL) te postavimo ime rješenja **Ucenje** (Checkbox Place solution and projekt into sam directory **JE OTKAČEN**) te odaberemo Next.

Configure your new project

Console App C# Linux macOS Windows Console

Project name

UcenjeCS

Location

C:\Users\Korisnik\OneDrive\Documents\GitHub\Edunova\CSHARP\

Solution name ⓘ

Ucenje

☐ Place solution and project in the same directory

Project will be created in "C:\Users\Korisnik\OneDrive\Documents\GitHub\Edunova\CSHARP\Ucenje\UcenjeCS"

Back Next

Odaberemo radnu okolinu (Framework) 8.0

— □ ×

Additional information

Console App C# Linux macOS Windows Console

Framework ⓘ

.NET 7.0 (Standard Term Support) ▾

.NET 6.0 (Long Term Support)

.NET 7.0 (Standard Term Support)

.NET 8.0 (Long Term Support)

Back

Create

Isto tako **NE OZNAČIMO** Checkbox Do not use top-level statements i Enable... te odaberemo Create.

— □ ×

Additional information

Console App C# Linux macOS Windows Console

Framework ⓘ

.NET 8.0 (Long Term Support) ▾

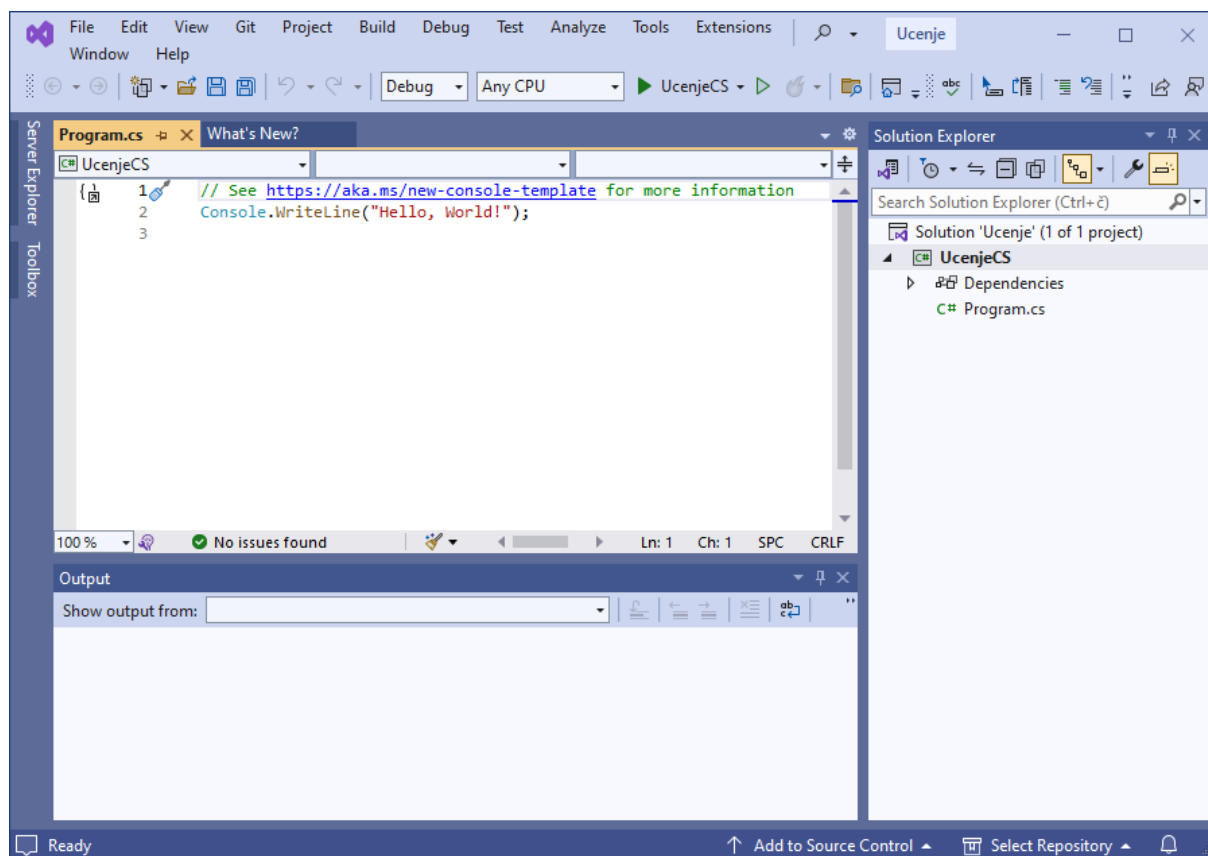
☐ Do not use top-level statements ⓘ

☐ Enable native AOT publish ⓘ

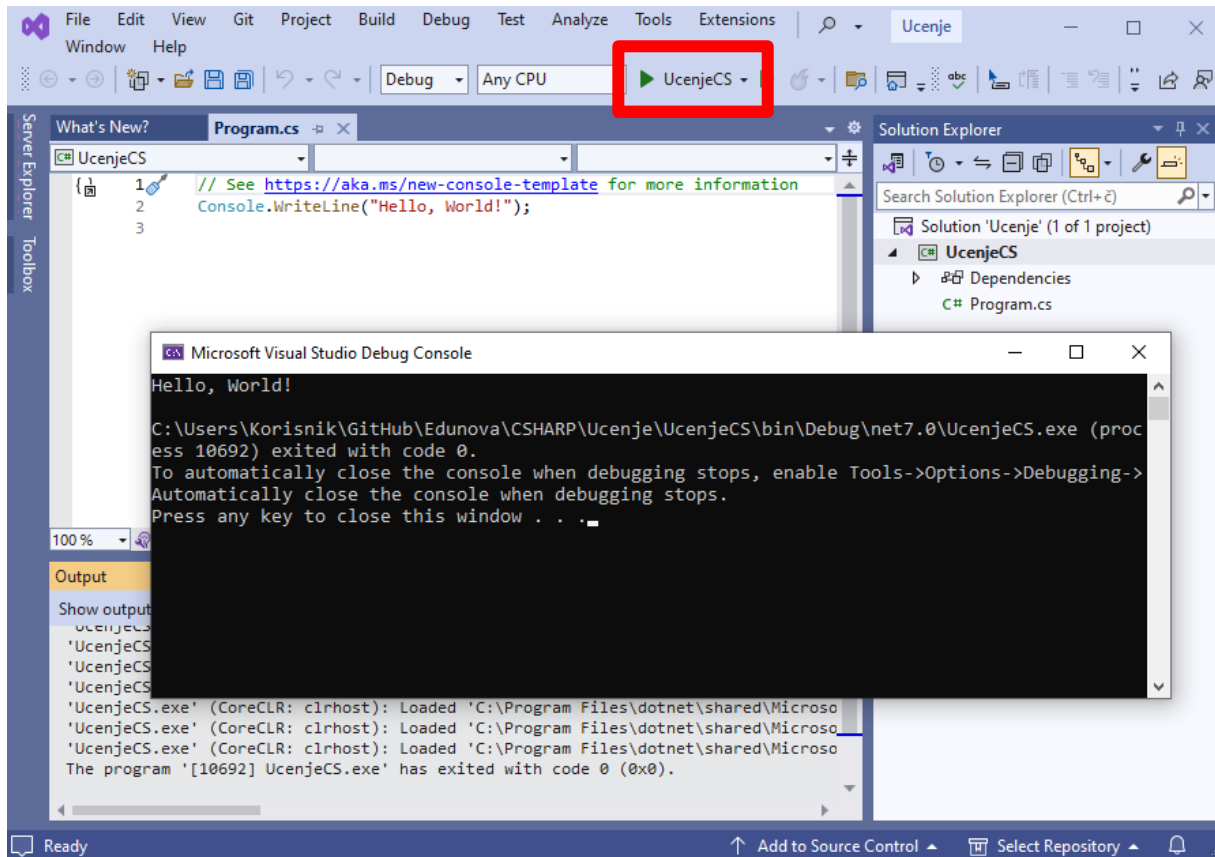
Back

Create

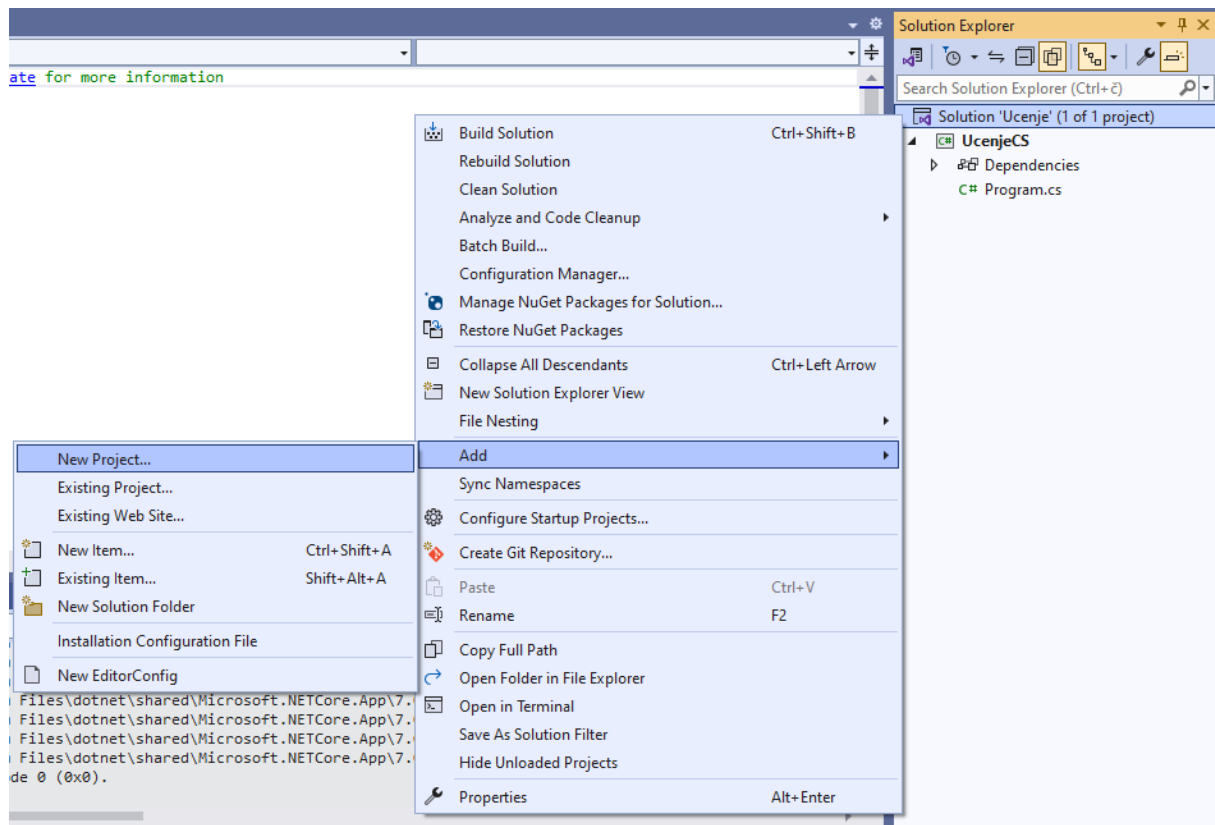
Ovo je naš Konzolni (za učenje) Hello, world program.



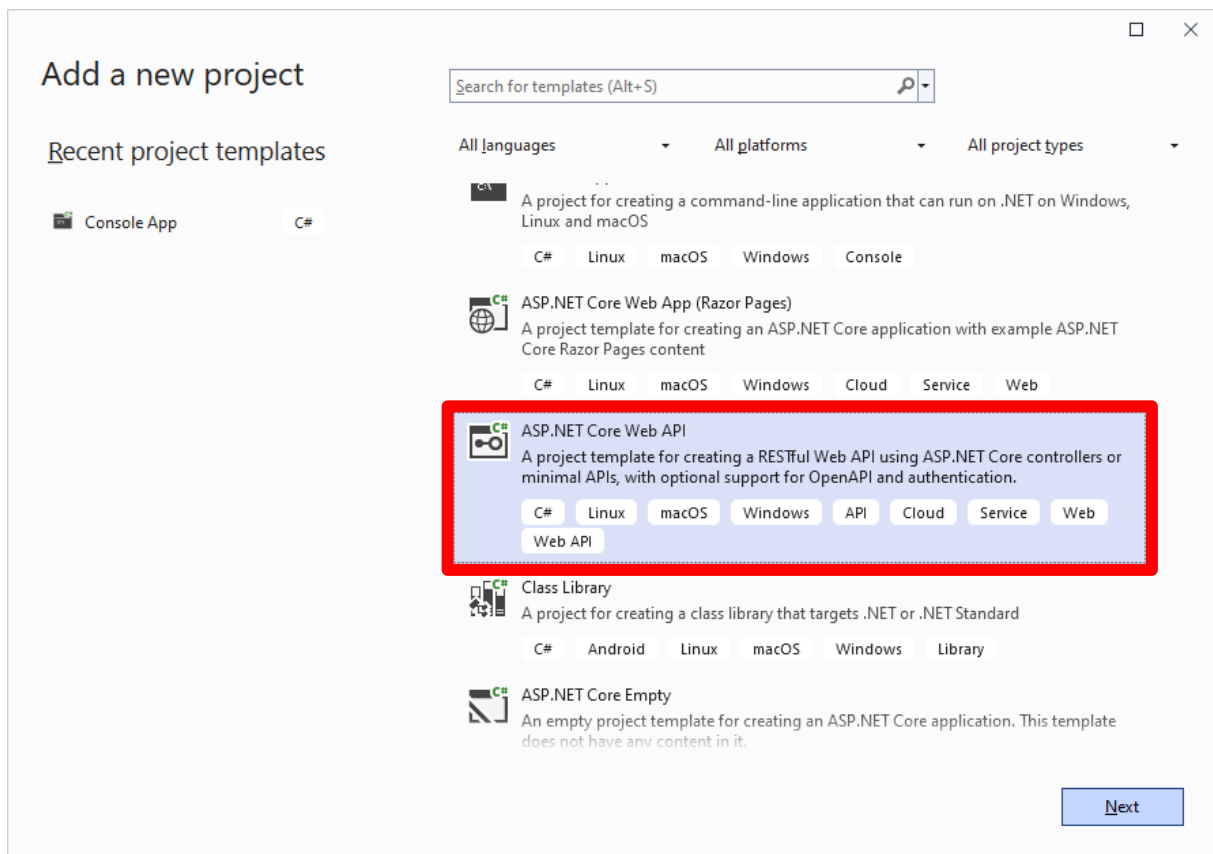
Program pokrećemo s klikom na zelenu PLAY ikonu te rezultat izvođenja programa bude vidljiv u CMD prozoru koji se otvori po uspješnom kreiranju (Build) izvršne datoteke. Pritiskom na bilo koju tipku u tom CMD prozoru, prozor se zatvara.



Desni klik miša na Solution Učenje u dijelu Solution explorer (desni gornji dio zaslona) idemo na Add pa na New Project... kako bi kreirali i ASP .NET Core Web API projekt.



U predloščima pronađemo ASP .NET Core Web API te odaberemo Next



Projekt nazovemo WebAPI te postavimo lokaciju kako stoji jer je to drugi projekt u istom rješenju i odaberemo Next.

□

×

Configure your new project

ASP.NET Core Web API C# Linux macOS Windows API Cloud Service Web Web API

Project name

WebAPI

Location

C:\Users\Korisnik\GitHub\Edunova\CSHARP\Ucenje

...

Project will be created in "C:\Users\Korisnik\GitHub\Edunova\CSHARP\Ucenje\WebAPI\"

BackNext

Opcije ostavio kako je prikazano te odaberemo Create

□

×

Additional information

ASP.NET Core Web API C# Linux macOS Windows API Cloud Service Web **Web API**

Framework ⓘ

.NET 8.0 (Long Term Support) ▾

Authentication type ⓘ

None ▾

☒ Configure for HTTPS ⓘ

☐ Enable container support ⓘ

Container OS ⓘ

Linux ▾

Container build type ⓘ

Dockerfile ▾

☒ Enable OpenAPI support ⓘ

☐ Do not use top-level statements ⓘ

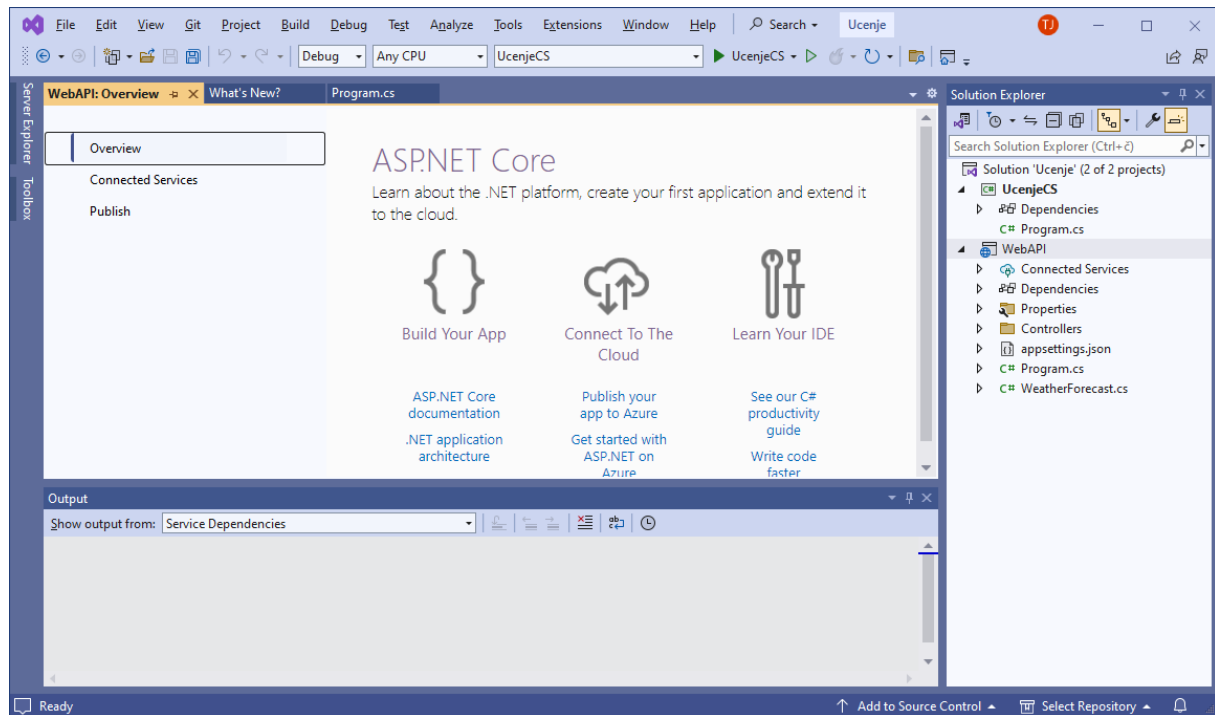
☒ Use controllers ⓘ

☐ Enlist in .NET Aspire orchestration ⓘ

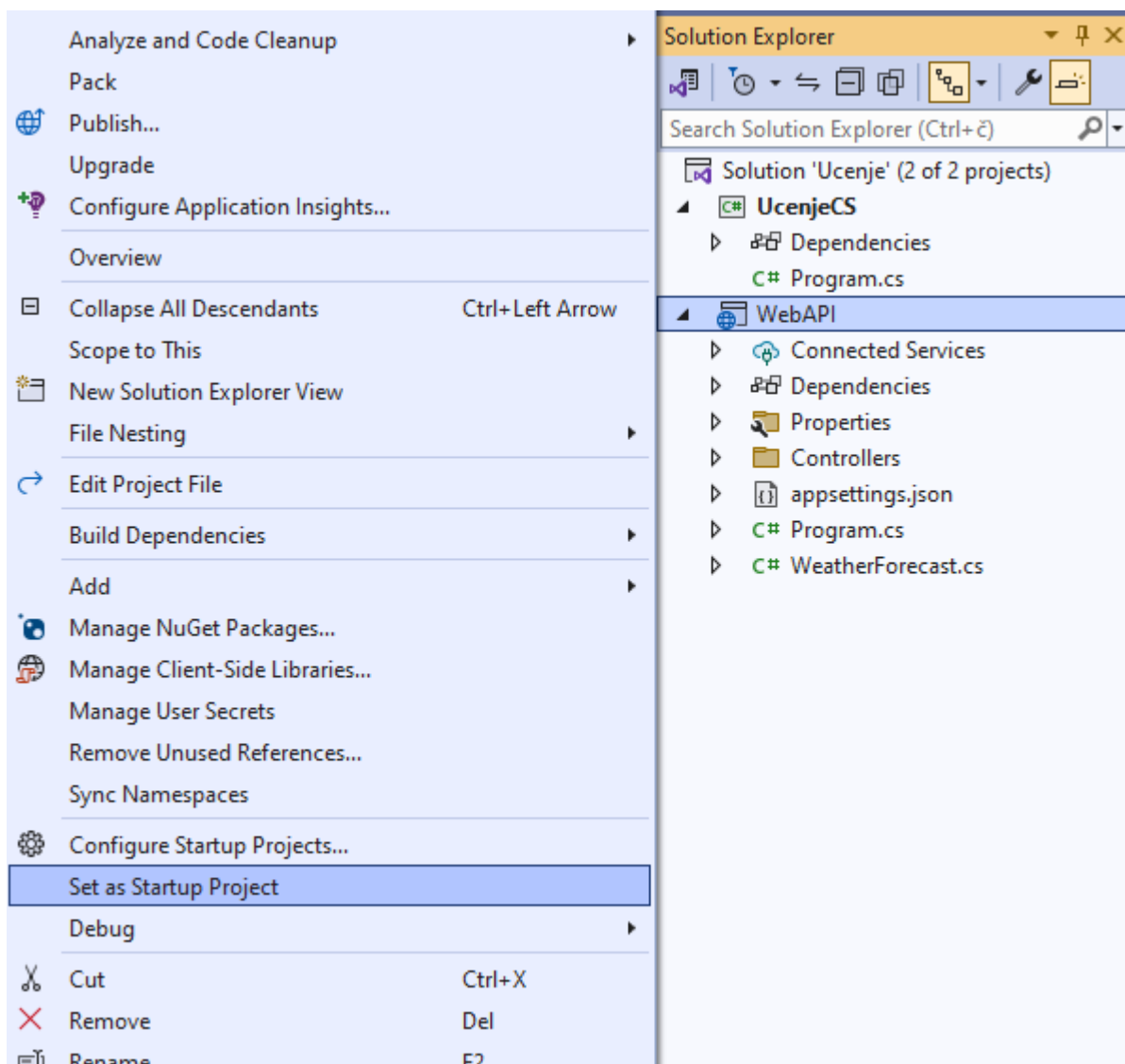
Back

Create

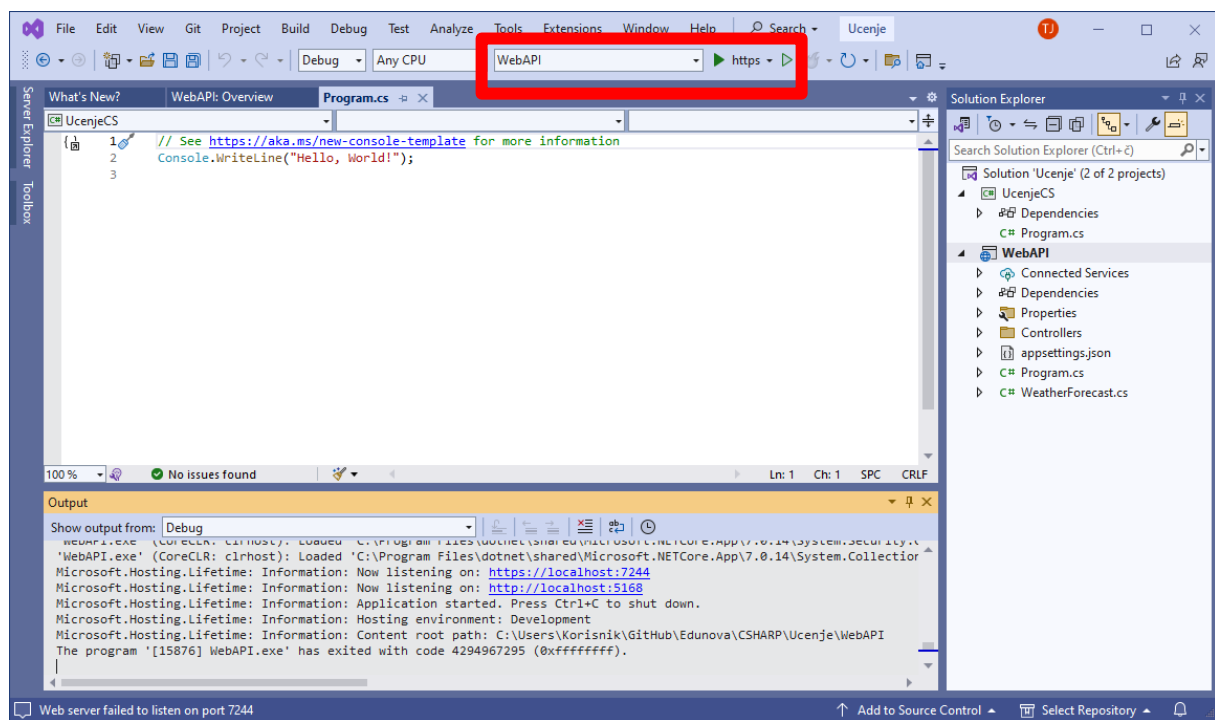
Ovaj drugi projekt je po strukturi puno kompleksniji ali to nas za sada ne zanima – ta kompleksnost je predmet učenja.



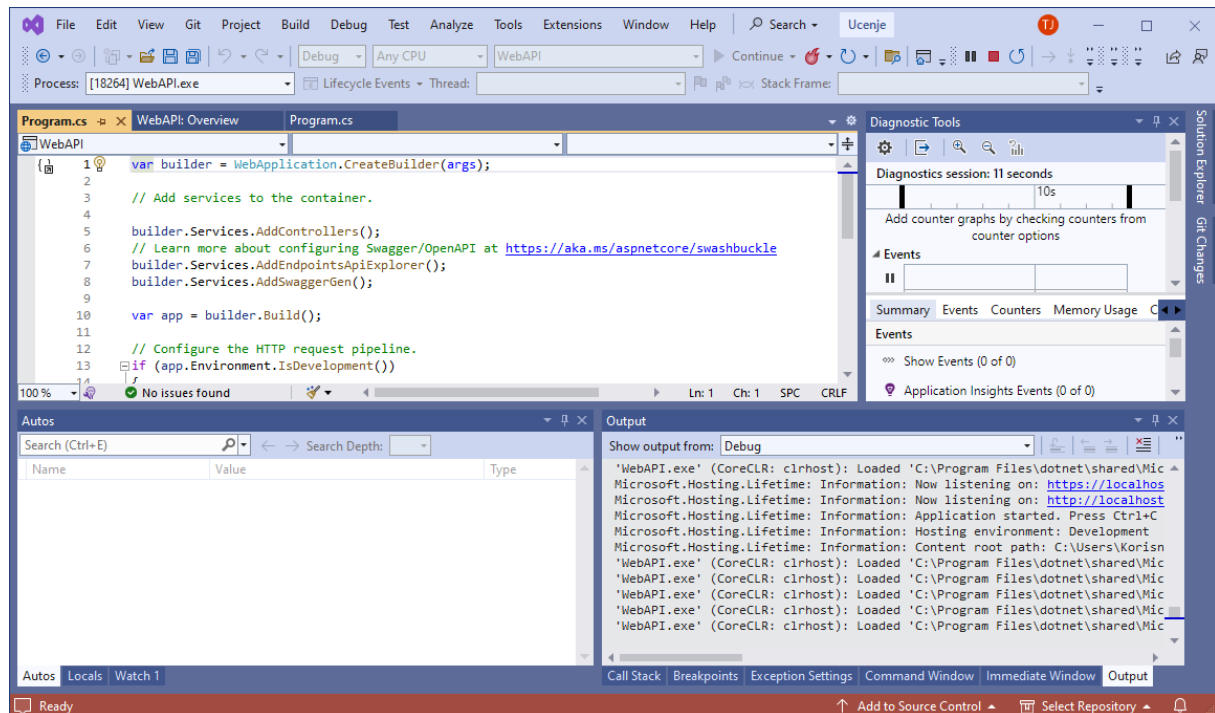
Kako sada u rješenju imamo dva projekta pokretanje je ostalo na projektu UcenjeCS. Da bi omogućili pokretanje WebAPI projekta moramo ga postaviti kao Start Up projet. Stoga radimo desni klik na naziv projekta i odaberemo Set as Startup Project



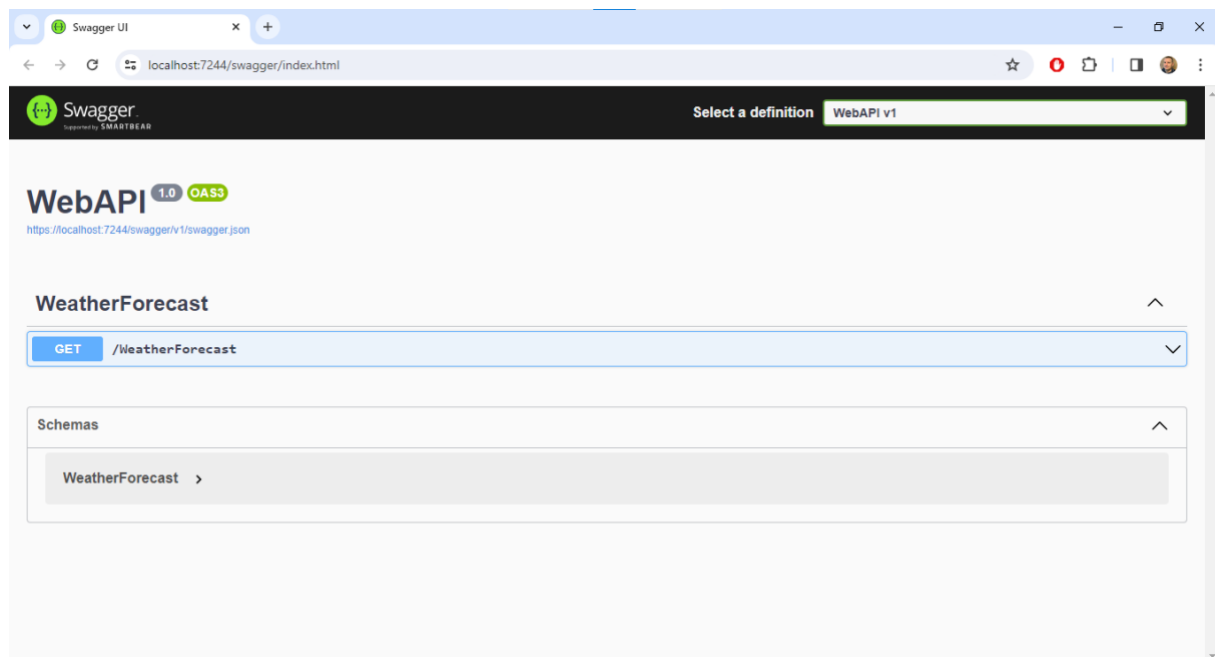
Sada možemo ponovo na zelenu PLAY ikonu pokrenuti projekt WebAPI.



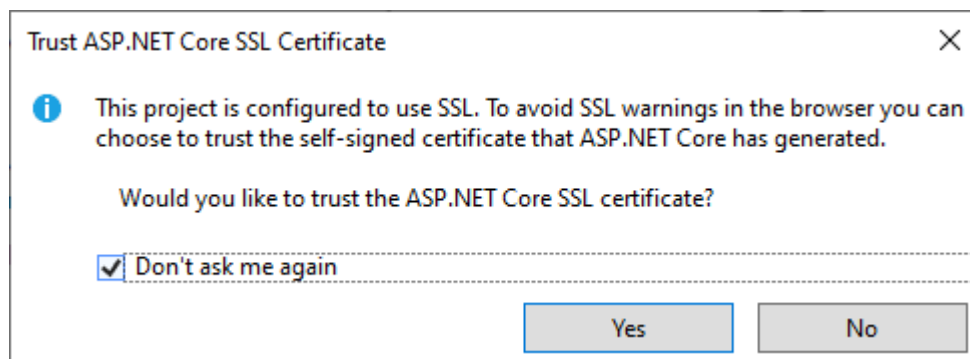
Sada dobivamo drugačije pokretanje u odnosu Console aplikaciju (UcenjeCS) jer će se sada prilikom pokretanja podići i web server.



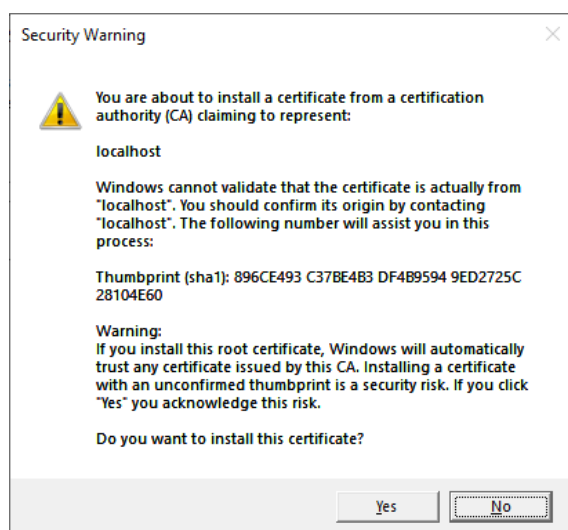
Te će se pokrenuti preglednik (Chrome ili Edge) s prikazom Swagger sučelja.



Ukoliko nas pita želimo li vjerovati SSL certifikatu, pritisnemo Yes



I Yes na instalaciji certifikata



Swagger je alat koji nam omogućuje vizualni pregled i korištenje dostupnih ruta. Kliknemo na GET /EatherForecast te klik na opciju Try it out (gore desno) pa Execute i dobijemo rezultat izvođenja te rute.

The screenshot displays the Swagger UI for the WeatherForecast API. The interface is divided into several sections:

- GET /WeatherForecast**: The selected endpoint.
- Parameters**: A section indicating "No parameters" with a "Cancel" button.
- Execute**: A blue button to execute the request, followed by a "Clear" button.
- Responses**: A section showing the results of the request.
 - Curl**: A code block showing the curl command:

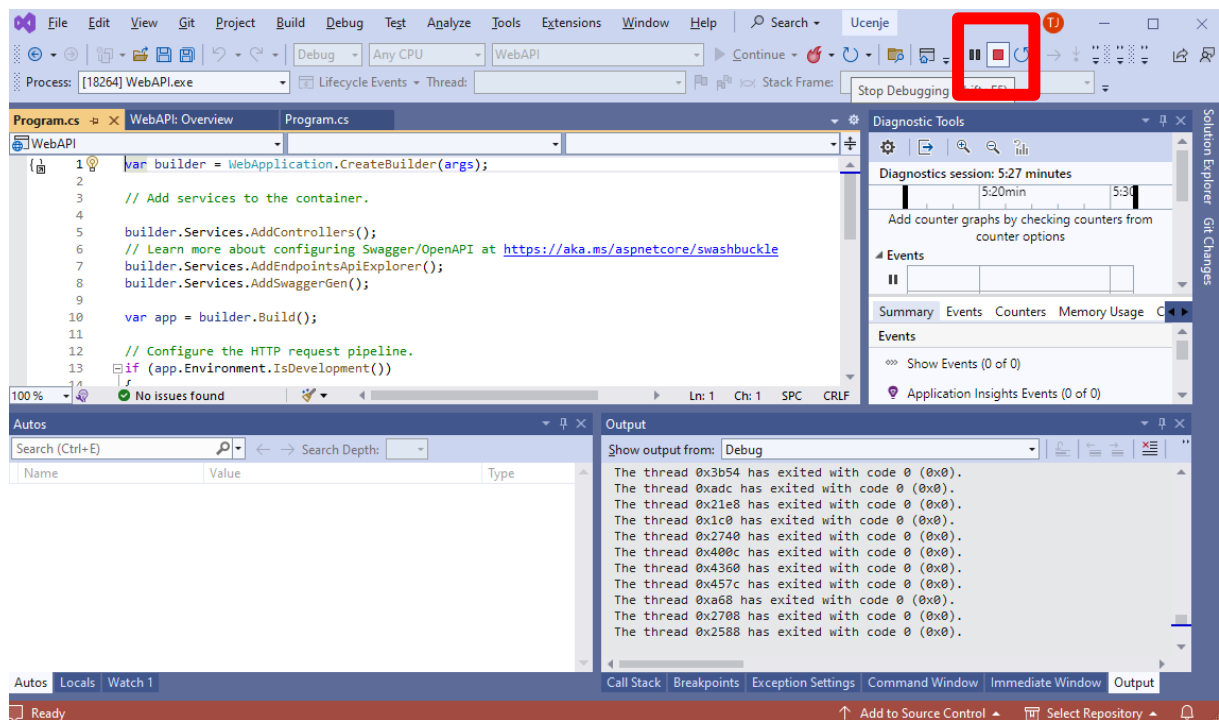
```
curl -X 'GET' \
  'https://localhost:7244/WeatherForecast' \
  -H 'accept: text/plain'
```
 - Request URL**: A code block showing the URL:

```
https://localhost:7244/WeatherForecast
```
 - Server response**: A section showing the response details.
 - Code**: A table with a single row:

Code	Details
200	<div><p>Response body</p><pre>{ "data": "2023-12-08", "temperatureC": -10, "temperatureF": 0, "summary": "Wild" }, { "data": "2023-12-09", "temperatureC": 0, "temperatureF": 32, "summary": "Bracing" }, { "data": "2023-12-10", "temperatureC": 0, "temperatureF": 32, "summary": "Sweltering" }, { "data": "2023-12-11", "temperatureC": -2, "temperatureF": 28, "summary": "Cool" } }</pre></div> <p>Response headers</p> <pre>content-type: application/json; charset=utf-8 date: Thu, 07 Dec 2023 14:14:16 GMT server: Kestrel</pre>

Ovo su nam polazišne točke.

WebAPI projekt se zaustavlja pomoću crvene stop ikone.



Happy coding!