



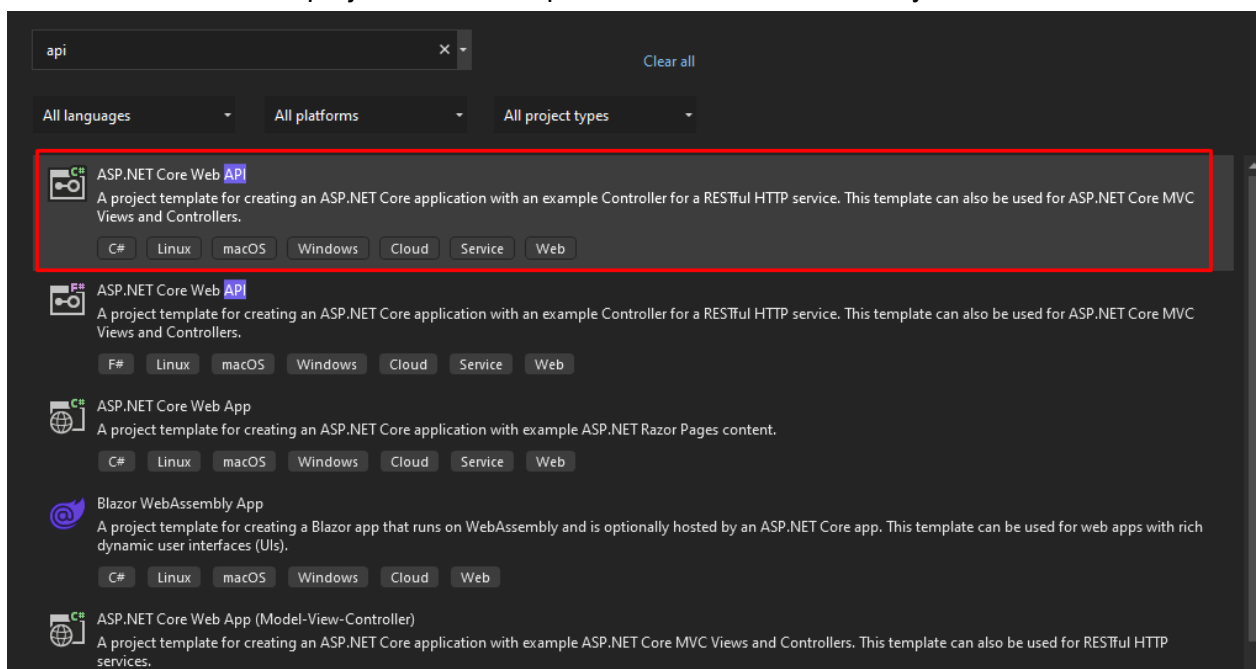
.NET position assignment

Summary

Create a very simple .NET web api that exposes the Slovenian Covid statistics as two RESTful endpoints.

Details

- Download and install Visual Studio and .NET core 6.0 from <https://dotnet.microsoft.com/>
- Create a new Web API project and develop the API service without any user interface:



- See acceptance criteria below for details
- Data is found here in CSV format <https://covid-19.sledilnik.org/sl/data>
 - Use the region-cases.csv data set
- Use any API testing tool to issue HTTP requests against your API such as Postman, Insomnia, etc.

Acceptance criteria

- Commit your code to GitHub or a similar service
- Your API should expose two endpoints:
 - `/api/region/cases`
 - Supported query parameters should be:
 - Region, possible values (LJ, CE, KR, NM, KK, KP, MB, MS, NG, PO, SG, ZA)
 - From - from date
 - To - to date
 - Resultset should contain the following values for each day in the time frame selected by the filters above, no grouping by day or region is required:
 - Date
 - Region
 - Number of active cases per day
 - Number of vaccinated 1st
 - Number of vaccinated 2nd
 - Deceased to date
 - `/api/region/lastweek`
 - No filters
 - Resultset should contain a list of all regions with the average number of new daily cases in the last 7 days per each region
 - List should be sorted in a descending order of average daily cases
- Create a README.md with any specifics and runtime details
- Service must use the latest data available online rather than using a stale copy of the csv
- As a bonus, implement some sort of basic API authentication, pick one yourself but can be as simple as possible. No database needs to be used.
- Hint: Strive to create a well structured project codebase.