Work test - backend

Sublime

The task

Specification

Implement a web application based on ASP.NET, alternatively .NET Core/.NET 5 with MVC as a pattern. You can use the standard temples for new projects available in Visual Studio to build on a foundation. Please supplement the solution with the appropriate nuget packages needed for implementation. Use JSON as a data format when calling against the API, it is documented how to specify the type of format desired during the calls.

The time frame for the task is 3-4 hours. The point is not to solve the task in the shortest time. We want to see how structured and optimal the code/solution is to present the results. Hence, focus on making it as well-made as possible given the timeframe.

The application will present a list of programs from Sveriges Radio by calling their open APIs. The list shall meet the following criteria:

- List all programs belonging to the category "Humor"
- List only programs that have podcasts
- List only programs that are not archived
- The list should be grouped based on which channel each program belongs to, i.e. P1, P2, P3, etc.
- For each programme, the following information shall be displayed.
    - Name
    - Image
    - Description
    - The last three pod sections
- For each pod section, the following information shall be displayed.
    - Title
    - Local time publishing date
    - Length in hours, minutes, and seconds
    - HTML Audio player to be able to listen to the section directly in the browser

Documentation
The documentation of the API to be used for the task can be found here:

https://sverigesradio.se/api/documentation/v2/metoder/program.html
https://sverigesradio.se/api/documentation/v2/generella_parametrar.html

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Example of presentation

P3

Tankesmedjan

Sylvass satir om nyheter, politik och en hel del kändisar.

Podavsnitt
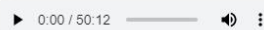
Titel: Skidläraren

Publicerat: 2021-03-03 23:07

Längd: 00:47:16

▶ 0:00 / 47:16 ——————— 🔊 ⋮

Titel: Kärringmat

Publicerat: 2021-02-24 23:07

Längd: 00:50:12

▶ 0:00 / 50:12 ——————— 🔊 ⋮

Titel: Tankesmedjan

Publicerat: 2021-02-17 23:07

Längd: 00:42:54

▶ 0:00 / 42:54 ——————— 🔊 ⋮

THOR Radio

Podavsnitt

Titel: THOR Radio Avsnitt 10 2018 - SÄSONGSAVSLUTNING!!

Publicerat: 2018-06-03 09:00

Längd: 00:25:56

▶ 0:00 / 25:56 ——————— 🔊 ⋮