

Apexa – Technical Assignment – API

Technical Requirements:

Design

- API
- Clean Architecture

Backend

- .NET 8 | ASP.NET Core | C# 12
- EF Core 8 for Data Access/ORM
- xUnit for Testing (latest) *

Database

- In-Memory DB Persistence

Execution

- Readme + Script (if applicable): to run the application using one command / click

Documentation

- Swagger

Comment: Please consider that all things described in this document are just minimum requirements, so feel free to implement your best solution

Business Requirements

1. Create Advisor

Should be able to create and persist an Advisor in the system with the following fields:

- Name (Length: Max 255 | Required)
- SIN (Length: Exactly 9 | Required | Masked | Unique)
- Address (Length: Max 255 | Optional)
- Phone (Length: Exactly 8 | Optional | Masked)
- Health Status (Green/Yellow/Red) - Randomly generated in the backend with the following probabilities: Green=60% Yellow = 20% Red =20%)

2. Get, Update, Delete, List Advisors

Should be able to retrieve an Advisor from the system

Should be able to update an Advisor in the system

Should be able to delete an Advisor from the system

Should be able to list all Advisors in the system

Bonus: Implement Front End

How to submit:

Upload the solution to any public git source control repo such as GitHub or contact recruiter for additional options.