Build an app with ASPNET Core and Angular from scratch

48 days of learning

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01 - 18.04.2023

(1) 7 min

What to learn:
- .NET
- Angular
- Entity Framework
- HTML5
- Bootstrap
- Typescript
- CSS
- C#

(2) 7 min

Installation
- .NET dotnet.microsoft.com
- NodeJS
- Visual Studio Code
- Postman

(3) 3 min

get help from
- google.com
- mdn
- stack overflow

(4) 2 min

Course assets
- Student Assets
- Github: TryCatchLearn/ DatingApp

(5) 2 min

Introduction to project

- Building a walking skeleton

Goals

- Using the dotnet CLI
- API controllers and Endpoints
- Entity Framework
- The API project structure
- Configuration and Environment variables
- Source control

(6) 11 min

- dot check your installation type:
  - dotnet --info
  - dotnet new list

to create the project execute in terminal:
- *mkdir Datingapp*
- *cd Datingapp*
- *dotnet new sln*
- dotnet new webapi -n API
- dotnet sln add API/

- **In visual studio press Shift+Cmd+P to open command palette.**
- **Search for path...**
- **Select: Install 'code' command path**
- **type code . in terminal to open your project**

(7) 15 min

VS-Code Extensions

- C# Omnicode
- File -> Auto Save
- Shift+Cmd+P: use as first step to solve problems
- C# settings: Enable
  - Organize Imports on format
  - Enable import completion
  - Enable async completion
- Install C# Extensions JosKreativ
- Install material icon theme Philipp Kiev
- compact folders in settings

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02 - 19.04.2023

(8) 20 min [1, 2]
6:15 - 8:00

Set up and clean up the project for our needs

```
dotnet run
http://localhost:1111/weatherforecast
```
- Innumerable
- Clean up: launchsettings.json (remove profiles http, iis)
```
"$schema": "https://json.schemastore.org/launchsettings.json",
"profiles": {
  "api": {
    "commandName": "Project",
    "dotnetRunMessages": true,
    "launchBrowser": true,
    "launchUrl": "swagger",
    "applicationUrl": "https://localhost:5001;http://localhost:5000",
    "environmentVariables": {
      "ASPNETCORE_ENVIRONMENT": "Development"
    }
```
- Clean up: API.csproj (remove ItemGroup)
- Restore project with: dotnet restore whenever packages are added or removed.
- Edit appsettings.Development.json
```
[appsettings.json]
"Logging": {
  "LogLevel": {
    "Default": "Information",
    "Microsoft.AspNetCore": "Warning"
  }
}
```
- Edit program.cs (delete swagger related entries)
```
[program.cs]
var builder = WebApplication.CreateBuilder(args);

// Add services to the container.
builder.Services.AddControllers();
var app = builder.Build();

dotnet watch run
https://localhost:5001/weatherforecast
```

(9) 11 min [3]
8:15 - 9:00

(10) 7 min [4]
9:15 - 10:00

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03 - 20.04.2023

(12) 11 min [1]
6:15 - 7:00

(13) 13 min [2]
7:15 - 8:00

(14) 7 min [3]
8:15 - 9:00

(15) 16 min [3, 4]
9:15 - 10:00

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04 - 25.04.2023

(16) 8 min [1]
6:15 - 7:00

(17) 16 min [1, 2, 3]
7:15 - 9:00

(18) 3 min [4]
9:15-10:00