Coding .NET Assessment

Andrei Bulai

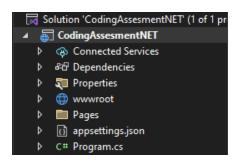
Backend: ASP.NET (MVC) with SQL Server DB

Frontend: Web Pages MVC

Next, I will present the necessary steps to be able to create an ASP.NET backend connected to a database, in this case, SQL Server.

1. In Visual Studio:

- Create New Project
- Select ASP.NET Core Web App



1. Download SQL Server (Express) and test connection

```
C:\Users\Andrei.Bulai>sqlcmd -5 localhost
Canceling connection...

C:\Users\Andrei.Bulai>sqlcmd -5 localhost\SQLEXPRESS

1> select @@version
2> go

Microsoft SQL Server 2022 (RTM) - 16.0.1008.6 (X64)
Oct B 2022 05:58:25
Copyright (C) 2022 Microsoft Corporation
Express Edition (64-bit) on Windows 10 Enterprise 10.0 <X64> (Build 19845: ) (Hypervisor)

(1 rows affected)
1>
```

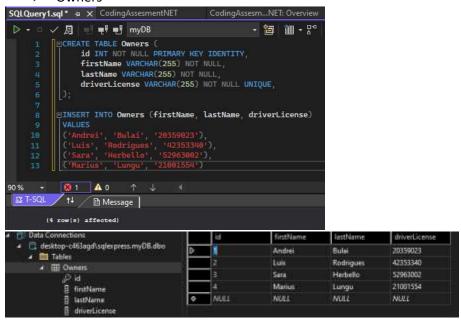
2. Creating SQL Server database:

- View -> Server Explorer
- Connect to Database -> Add Connection -> Microsoft SQL Server -> Change Data Source -> Ok.

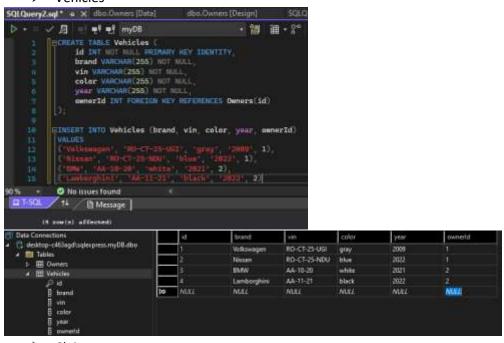
Server name: .\sqlexpress Database name: myDB

Creating Tables:

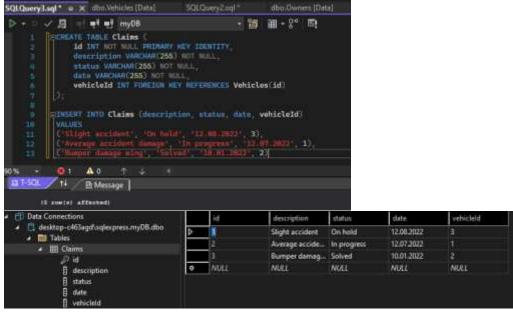
Owners



Vehicles



Claims



3. Connecting to SQL Server

- Add package: Right click on the project name -> Manage NuGet Packages... -> Browse ->
 System.Data.SqlClient -> Install
- Test the connection (Run CodingAssessmentNet) Optional

4. Add new Pages

- In folder "Pages" add a new folder "Owners" and add a Razor Page Empty
- Add Razors files: Index & Create (for GET and POST methods)

```
| Water Spring | Section | The Content of the Conte
```

```
public void OnPost()
{
    ownerInfo.firstName = Request.Form[keys "firstName"];
    ownerInfo.lastName = Request.Form[keys "lastName"];
    ownerInfo.driverLicense = Request.Form[keys "driverLicense"];

    if (ownerInfo.firstName.Length == 0 || ownerInfo.lastName.Length == 0 || ownerInfo.driverLicense.Length == {
        errorMessage = "All the fields are requied";
        return;
    }

    // save Owner to DB
    ownerInfo.firstName = ""; ownerInfo.lastName = ""; ownerInfo.driverLicense = "";
    successMessage = "New Owner Added Correctly";
}
```

Demo app (screenshots)

List of Clients

liam:

Phone Address



Cancel