**Contact Information**

***Contactinformation*** is an ASP.NET MVC small POC which is used to maintain the contact records in an organisation.

**Entity Framework**

We have used Entity Framework ORM(instead of ADO.Net) in this project which is used to directly communicate to the Application Database .

Add Ado.net Entity data model to Create Db contact entities .

**Razor View Engine**

Razor is an ASP.NET programming syntax used to create dynamic web pages with the C# or Visual Basic .NET programming language. ASP.NET MVC Razor views, with an emphasis on producing functional HTML forms with a minimum amount of code.

**Design Patterns**

Model-View-ViewModel

**Solution Projects**

| Project Solution | RestApiproject.sln |
| --- | --- |
| Application Layer(UI) | Contact.MvcUI |
| Service Layer | Contact.WebApi |
| Bussiness models | ContactDataModel |
| Entity Data Model | ContactdataModel.EDMX |
| Unit Test | Contact.MvcUI.Tests |

| **Dependency** | **Version\*** |
| --- | --- |
| .NET Framework | 4.5.2 |
| ASP.NET MVC | v4.0.30319 |
| Bootstrap | V3.0.0 |
| C# | C#6.0 |
| Entity Framework | EF6 |
| jQuery | 1.10.2 |
| jQuery Validation | 1.11.1 |

**Technologies**

**Approach**

Database First Approach

**Getting Started**

1. Download or clone this repository.
2. Open the solution in Visual Studio 2015 or higher.
3. Open Database and run the below mentioned Sql Scripts:
   1. **Create and Use database :**

create database ContactDB

Use ContactDB

* 1. **Create table Scripts :**

CREATE TABLE ContactInformation(

ContactId INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

FirstName VARCHAR(255) NOT NULL,

LastName VARCHAR(255) ,

PhoneNumber VARCHAR(50) NOT NULL,

Email VARCHAR(320),

Status VARCHAR(255) NOT NULL)

1. Contact.WebApi -> models ->ContactDataModel.edmx generated
2. Add Connection string in **Web.config** file of **ContactMvcUI** project in the below given format :

**<connectionStrings>**

<add name="DefaultConnection" connectionString="Data Source=(LocalDb)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\aspnet-Contact.MvcUI-20180712013706.mdf;Initial Catalog=aspnet-Contact.MvcUI-20180712013706;Integrated Security=True" providerName="System.Data.SqlClient" />

**</connectionStrings>**

**Default Connection**- Default name of the data Connection string.

**DataSource** – Server address .

**Initial Catalog –** DataBase Name

**Integrated Security –** SSPI ,

**User –** username

**Password –** Password

1. Open the RestApiProject.sln file and run the application.

**Configuration**

* The project contains a configuration string which may require modification for the developer's specific environment:

| **Project** | **File** |
| --- | --- |
| RestApiProject.web | Web.config |

* The configuration strings specify the instance of SQL Server Express installed with Visual Studio 2015 as the target database server: Data Source=(localdb)\ProjectsV13. Developers using a different target database will have to change the connection strings in both projects.