

# PROJETO ASP.NET CORE MVC

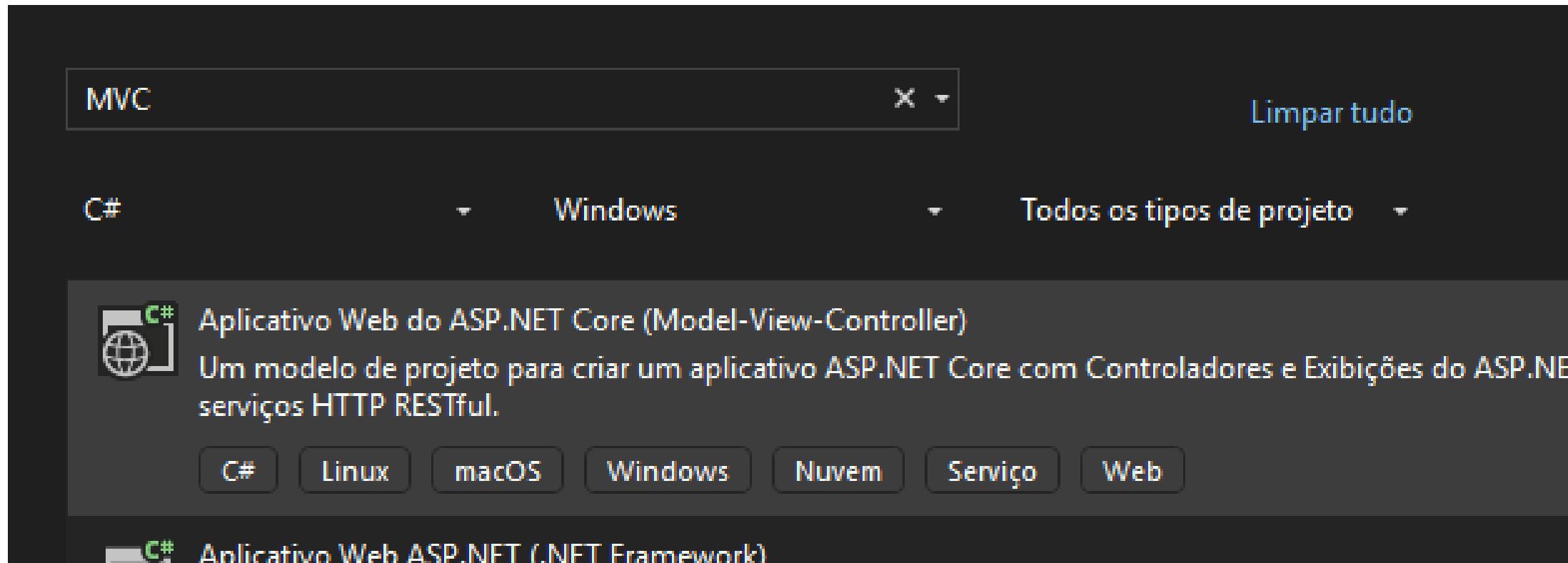
Template Inicial

# Passo 01 – Banco de Dados

```
CREATE DATABASE dbFinanceiro
go
use dbFinanceiro
go

Create table AGENCIA (
   Codigo int identity(1,1) primary key,
    Nome varchar(100),
    Cidade varchar(100),
    EstadoUF varchar(100)
)
go
--select * from agencia
--teste
INSERT AGENCIA (NOME,CIDADE,EstadoUF) VALUES ('BB Estânci', 'Estânci', 'SE')
```

# Passo 02 – Criar projeto Asp.net Core MVC



# Passo 04 – Instalar pacote EntityFramework

The screenshot shows a Windows context menu open over a code editor window in Visual Studio. The menu items include: Análise e Limpeza de Código, Pacote, Publicar... (highlighted with a blue border), Publish to AWS Elastic Beanstalk..., Republish to AWS..., Atualizar, Configurar Application Insights..., SonarQube Connected Mode, Recolher Todos os Descendentes (Ctrl+Seta para a Esquerda), Mover Escopo para o Item Selecionado, Novo Modo de Exibição do Gerenciador de Soluções, Aninhamento de Arquivos, Editar Arquivo do Projeto, and Adicionar.

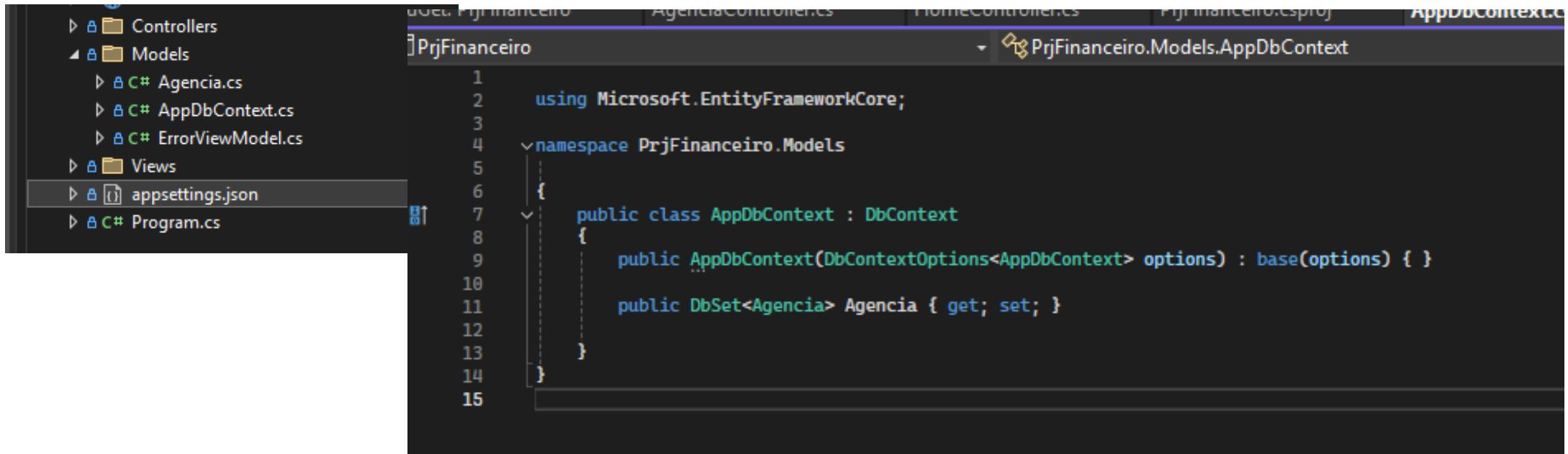
**Pacotes de nível superior (2)**

	<b>Microsoft.EntityFrameworkCore</b> por Microsoft	8.0.23
	Entity Framework Core is a modern object-database mapper for .NET. It supports LINQ queries, change tracking, updates, and schema migrations. EF Core works with SQL Server, Azure SQL Database, SQLite, Az...	10.0.2
	<b>Microsoft.EntityFrameworkCore.SqlServer</b> por Microsoft	8.0.23
	Microsoft SQL Server database provider for Entity Framework Core.	10.0.2

# Passo 05 – Configurar conexão appsettings.json

```
a: https://www.schemastore.org/appsettings.json
{
  "Logging": {
    "LogLevel": {
      "Default": "Information",
      "Microsoft.AspNetCore": "Warning"
    }
  },
  "AllowedHosts": "*",
  "ConnectionStrings": {
    "ConexaoPadrao": "Server=.\\MASTER;Database=dbFinanceiro;User Id=sa;Password=master.123;TrustServerCertificate=True"
  }
}
```

# Passo 06 – Criar context



The screenshot shows a Visual Studio interface with a solution explorer on the left containing files like Controllers, Models (with Agencia.cs, AppDbContext.cs, ErrorViewModel.cs), Views, appsettings.json, and Program.cs. The Models folder is expanded. On the right, a code editor displays the PrjFinanceiro.Models.AppDbContext.cs file:

```
1  using Microsoft.EntityFrameworkCore;
2
3  namespace PrjFinanceiro.Models
4  {
5      public class AppDbContext : DbContext
6      {
7          public AppDbContext(DbContextOptions<AppDbContext> options) : base(options) { }
8
9          public DbSet<Agencia> Agencia { get; set; }
10
11     }
12
13 }
14
15
```

# Passo 07 – Classe exemplo Agencia

```
using System.ComponentModel.DataAnnotations;

namespace PrjFinanceiro.Models
{
    public class Agencia
    {
        [Key]
        public int Código { get; set; }
        public string Nome { get; set; }
        public string Cidade { get; set; }
        public string EstadoUF { get; set; }
    }
}
```

# Passo 08 – Controller Agencia

```
1  using Microsoft.AspNetCore.Mvc;
2  using PrjFinanceiro.Models;
3  using System.Linq;
4
5  namespace PrjFinanceiro.Controllers
6  {
7      public class AgenciaController : Controller
8      {
9          private readonly AppDbContext _context;
10
11         public AgenciaController(AppDbContext context)
12         {
13             _context = context;
14         }
15
16         public IActionResult Index()
17         {
18             var lista = _context.Agencia.ToList();
19             return View(lista); // Passa a lista para a View
20         }
21
22
23     }
24 }
25 }
```

# Passo 08 – Controller Agencia

```
1  using Microsoft.AspNetCore.Mvc;
2  using PrjFinanceiro.Models;
3  using System.Linq;
4
5  namespace PrjFinanceiro.Controllers
6  {
7      public class AgenciaController : Controller
8      {
9          private readonly AppDbContext _context;
10
11         public AgenciaController(AppDbContext context)
12         {
13             _context = context;
14         }
15
16         public IActionResult Index()
17         {
18             var lista = _context.Agencia.ToList();
19             return View(lista); // Passa a lista para a View
20         }
21
22     }
23 }
24 }
```

# Passo 09 – View Agencia

The image shows a code editor interface with two main sections. On the left, there is a sidebar displaying the project structure:

- Controllers
  - AgenciaController.cs
  - HomeController.cs
- Models
  - Agencia.cs
  - AppDbContext.cs
  - ErrorViewModel.cs
- Views
  - Agencia
    - Index.cshtml
  - Home

The right section is the code editor for the file `Agencia.cshtml`. The code is a Razor view for displaying a list of bank branches (Agencias). It includes a header with a button to add a new branch, a table with columns for branch code, name, city, state, and actions, and a loop to iterate through the model items.

```
PrjFinanceiro
Agencia.cshtml
1  @model IEnumerable<PrjFinanceiro.Models.Agency>
2  <div class="container mt-5">
3      <h2 class="mb-4">Lista de Agências Bancárias</h2>
4      <p>
5          <a href="/Agencia/Criar" class="btn btn-success">Cadastrar Nova Agência</a>
6      </p>
7      <table class="table table-bordered table-hover">
8          <thead class="thead-dark">
9              <tr>
10                 <th>Código</th>
11                 <th>Nome da Agência</th>
12                 <th>Cidade</th>
13                 <th>Estado (UF)</th>
14                 <th>Ações</th>
15             </tr>
16         </thead>
17         <tbody>
18             @foreach (var item in Model)
19             {
20                 <tr>
21                     <td>@item.Codigo</td>
22                     <td>@item.Nome</td>
23                     <td>@item.Cidade</td>
24                     <td>@item.EstadoUF</td>
25                     <td>
26                         <a href="/Agencia/Editar/@item.Codigo" class="btn btn-sm btn-primary">Editar</a>
27                         <a href="/Agencia/Excluir/@item.Codigo" class="btn btn-sm btn-danger">Excluir</a>
28                     </td>
29                 </tr>
30             }
31         </tbody>
32     </table>
33 </div>
```

At the bottom of the code editor, there is a status bar with icons and the message "Não foi encontrado nenhum problema" (No problems found).

Teste

localhost:xxxx/Agencia