



Employee Management

Name : Muhammed Tallat



Technologies to Use

- Frontend: ASP.NET Core MVC
- Database: SQL Server
- Language: C#
- Backend: ASP.NET Core API

Implementation phases

- Sql

1. Create DB Name EmployeeManagementDB

```
CREATE DATABASE EmployeeManagementDB;
```

```
Commands completed successfully.
```

```
Completion time: 2024-04-26T19:35:15.4602664+03:00
```

Implementation phases

- Sql

2. Cerate Table Employees

```
-- CREATE TABLE Employees (  
    EmployeeId INT PRIMARY KEY IDENTITY,  
    Name NVARCHAR(100) NOT NULL,  
    JobRole NVARCHAR(50) NOT NULL,  
    Gender NVARCHAR(10) NOT NULL,  
    FirstAppointment BIT NOT NULL,  
    StartDate DATE NOT NULL,  
    Notes NVARCHAR(MAX)  
);  
  
-- select * from [dbo].[Employees]  
  
-- INSERT INTO Employees (Name, JobRole, Gender, FirstAppointment, StartDate, Notes)  
VALUES ('Muhammed Tallat', 'Manager', 'Male', 1, '2024-04-27', 'Some notes about Muhammed Tallat');  
  
-- select * from [dbo].[Employees]
```

0 %

Results Messages

EmployeeId	Name	JobRole	Gender	FirstAppointment	StartDate	Notes
1	Muhammed Tallat	Manager	Male	1	2024-04-27	Some notes about Muhammed Tallat

Implementation phases

- Form Fields

Sample of Code form

Add Employee

Employee Name:

Job Role:

Gender:
☒ Male
☐ Female

☒ First Appointment

Start Date:

Notes:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Employee Form</title>
7 <style>
8
9
10     body {
11         font-family: Arial, sans-serif;
12         background-color: #f0f0f0;
13     }
14
15     .container {
16         max-width: 500px;
17         margin: 20px auto;
18         padding: 20px;
19         background-color: #e6e6e6;
20         border-radius: 8px;
21         box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
22     }
23
24     .form-title {
25         text-align: center;
26         margin-bottom: 20px;
27     }
28
29     .form-group {
30         margin-bottom: 20px;
31     }
32
33     .form-group label {
34         display: block;
35         font-weight: bold;
```

Implementation phases

- Mvc

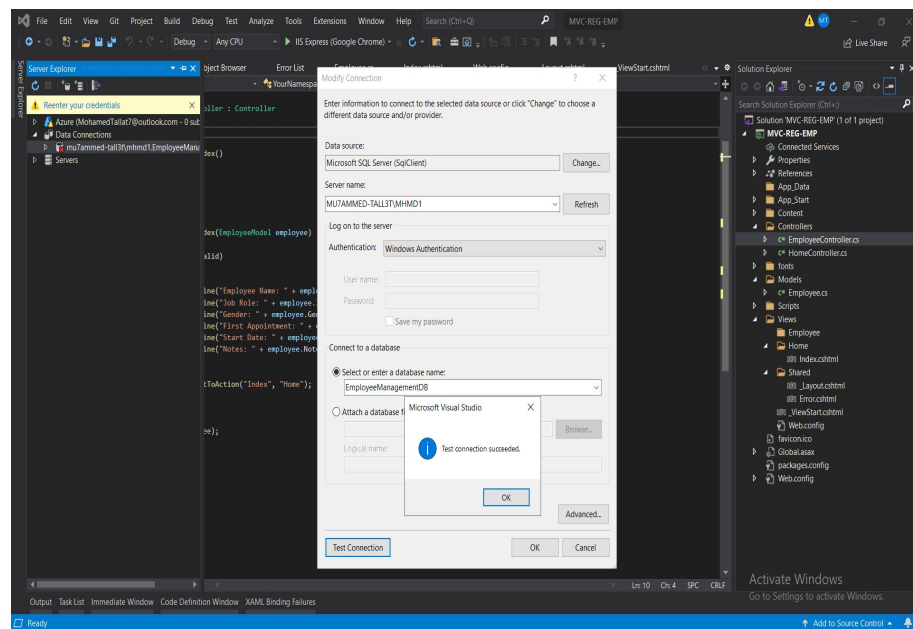
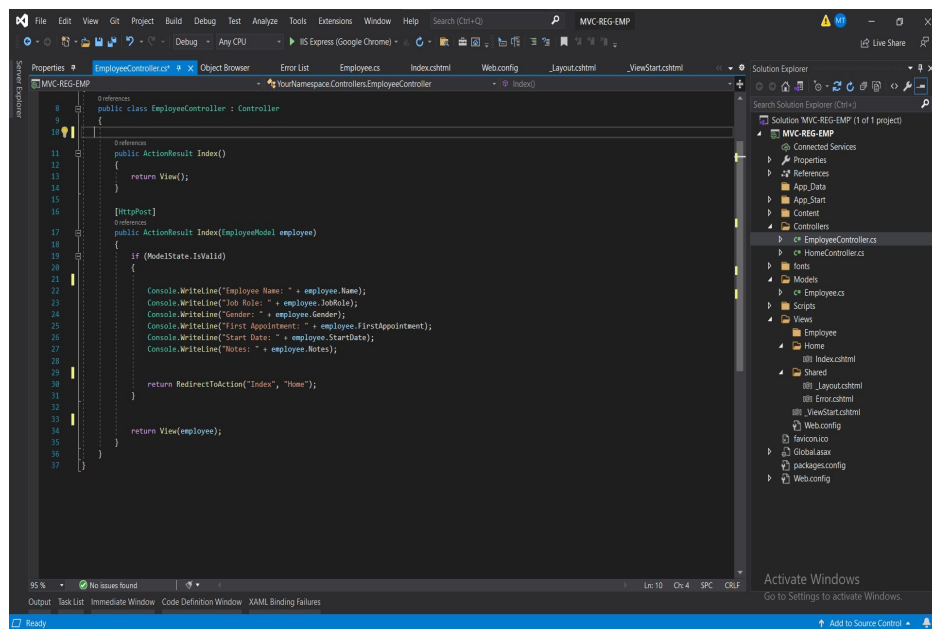
Models code

```
4 namespace YourNamespace.Models
5 {
6     1 reference
7     public class EmployeeModel
8     {
9         [Required(ErrorMessage = "Enter Employee Name !")]
10        [Display(Name = "Employee Name ")]
11        [StringLength(maximumLength: 15, MinimumLength = 5, ErrorMessage = "Employee Name Must Be Max 15 & Min 5")]
12        1 reference
13        public string Name { get; set; }
14
15
16        [Required(ErrorMessage = "Select JobRole Name !")]
17        [Display(Name = "JobRole Name ")]
18        1 reference
19        public string JobRole { get; set; }
20
21
22        [Required(ErrorMessage = "Select The Gender !")]
23        [Display(Name = "Gender ")]
24        1 reference
25        public string Gender { get; set; }
26
27
28        [Required(ErrorMessage = "Select The FirstAppointment ")]
29        [Display(Name = "First Appointment")]
30        1 reference
31        public bool FirstAppointment { get; set; }
32
33
34        [Required(ErrorMessage = "Start date is required")]
35        [Display(Name = "Start Date")]
36        1 reference
37        public DateTime StartDate { get; set; }
38
39        [Required(ErrorMessage = "Enter The Notes!")]
40        [Display(Name = "Notes")]
41        [StringLength(15, MinimumLength = 5, ErrorMessage = "The Notes must be between Max 100 and min 15 characters")]
42        1 reference
43        public string Notes { get; set; }
44    }
45 }
```

Implementation phases

- Mvc

Controller code & connect for DB



Implementation phases

- I tried Connct DB

The screenshot displays the Visual Studio IDE with the `Web.config` file open. The configuration includes a connection string for a database named `EmployeeManagementDB`. The `Diagnostic Tools` window on the right shows a diagnostics session of 46 seconds, with graphs for Process Memory (MB) and CPU usage. The `Error List` at the bottom indicates 0 errors and 0 warnings.

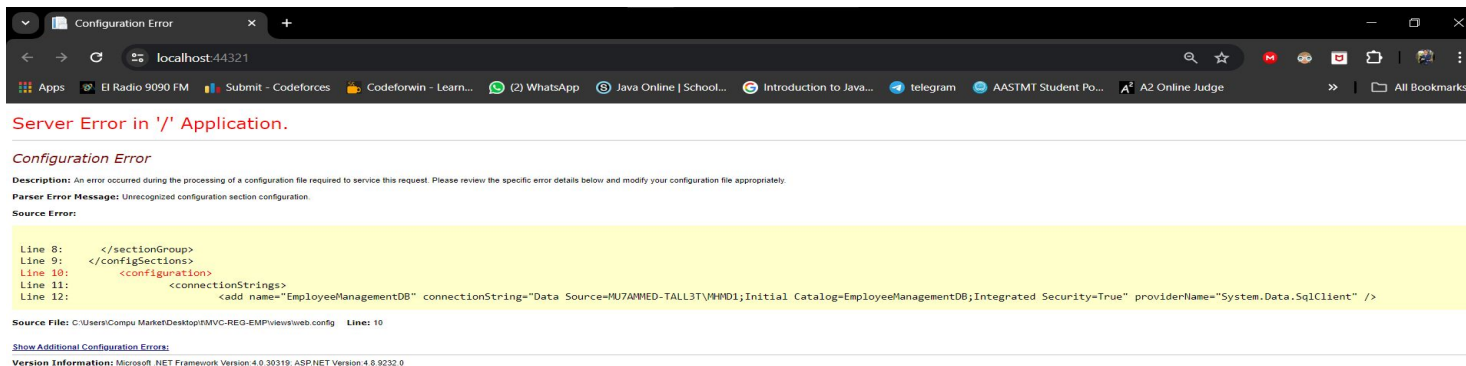
```
<?xml version="1.0"?>
<configuration>
  <configSections>
    <sectionGroup name="system.web.webPages.razor" type="System.Web.WebPages.Razor.Configuration.RazorWebSectionGroup, System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <section name="host" type="System.Web.WebPages.Razor.Configuration.HostSection, System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <section name="pages" type="System.Web.WebPages.Razor.Configuration.RazorPagesSection, System.Web.WebPages.Razor, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  </configSections>
  <connectionStrings>
    <add name="EmployeeManagementDB" connectionString="Data Source=MU7AMMED-TALL3T\MYSQL;Initial Catalog=EmployeeManagementDB;Integrated Security=True;User=root" />
  </connectionStrings>
  <system.web.webPages.razor>
    <host factoryType="System.Web.Mvc.MvcWebRazorHostFactory, System.Web.Mvc, Version=5.2.7.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <pages pageBaseType="System.Web.Mvc.MvcWebRazorHostFactory, System.Web.Mvc, Version=5.2.7.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
  </system.web.webPages.razor>
  <system.web>
    <compilation>
      <assembly name="System.Web.Mvc" />
      <assembly name="System.Web.Mvc.Ajax" />
      <assembly name="System.Web.Mvc.Html" />
      <assembly name="System.Web.Routing" />
      <assembly name="System.Web.WebPages" />
      <assembly name="System.Web.WebPages.Razor" />
      <assembly name="System.Web.WebResources" />
      <assembly name="MVC_REG_EMP" />
    </compilation>
  </system.web>
</configuration>
```

Diagnostic Tools
Diagnostics session: 46 seconds
Events: 0
Process Memory (MB): 71 MB
CPU (% of all processors): 0%

Error List
Entire Solution: 0 Errors, 0 Warnings, 0 of 18 Messages

Implementation phases

- but it gives me an error



The screenshot shows a web browser window with the address bar set to `localhost:44321`. The page title is "Configuration Error". The main content area displays the following information:

Server Error in '/' Application.

Configuration Error

Description: An error occurred during the processing of a configuration file required to service this request. Please review the specific error details below and modify your configuration file appropriately.

Parser Error Message: Unrecognized configuration section configuration.

Source Error:

```
Line 8:         </sectionGroup>
Line 9:     </configSections>
Line 10:         <configuration>
Line 11:             <connectionStrings>
Line 12:                 <add name="EmployeeManagementDB" connectionString="Data Source=MU7AMMED-TALL3TV9#01;Initial Catalog=EmployeeManagementDB;Integrated Security=True" providerName="System.Data.SqlClient" />
```

Source File: C:\Users\Compu Market\Desktop\MVC-REG-EMP\Views\web.config **Line:** 10

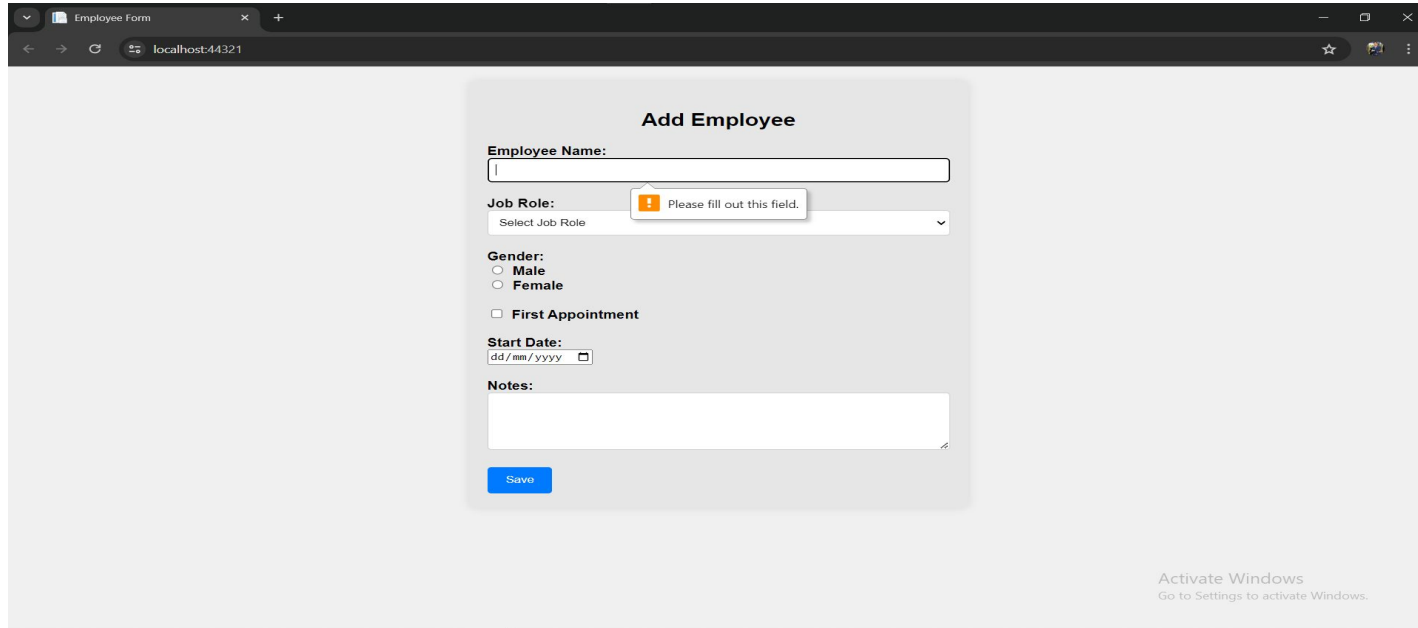
[Show Additional Configuration Errors:](#)

Version Information: Microsoft .NET Framework Version 4.0.30319; ASP.NET Version 4.8.9232.0

Implementation phases

When Remove Connction code work but not connect .

- file config depind on => `system.web.webPages.razor`
I don't used this extinction before



The screenshot shows a web browser window with the address bar displaying 'localhost:44321'. The page title is 'Employee Form'. The main content is a form titled 'Add Employee'. The form contains the following fields and controls:

- Employee Name:** A text input field.
- Job Role:** A dropdown menu with the placeholder text 'Select Job Role'. A validation error message 'Please fill out this field.' is displayed next to it.
- Gender:** Two radio buttons labeled 'Male' and 'Female'.
- First Appointment:** A checkbox.
- Start Date:** A date picker with the format 'dd/mm/yyyy'.
- Notes:** A text area.
- Save:** A blue button at the bottom of the form.

In the bottom right corner of the browser window, there is a watermark that says 'Activate Windows Go to Settings to activate Windows.'