Mini-Project By <u>Yogesh Kirtane</u>, PRN – 220960920039

Employee Management

Framework : ASP.NET MVC 6
Web Technology : Bootstrap, jQuery, Ajax, Entity Framework
Database : SQL Server

Description: This project was developed to maintain the personal and official details of the employees working in the organization. It aims to simplify the task of maintaining records of the employees of the company.
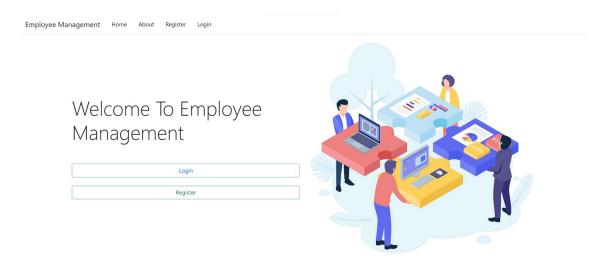
Some Features are :
Login Employee
Register New employee
Delete employee
Update employee information
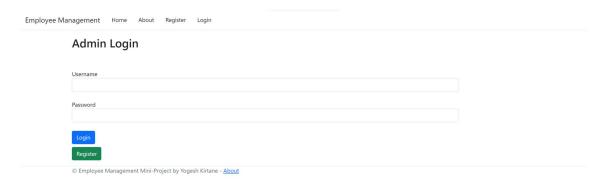Display detail information of employee

Overview :

1. Home Page
Allow employee to login and register
The navbar contains Title, Home, About, Register and Login tabs
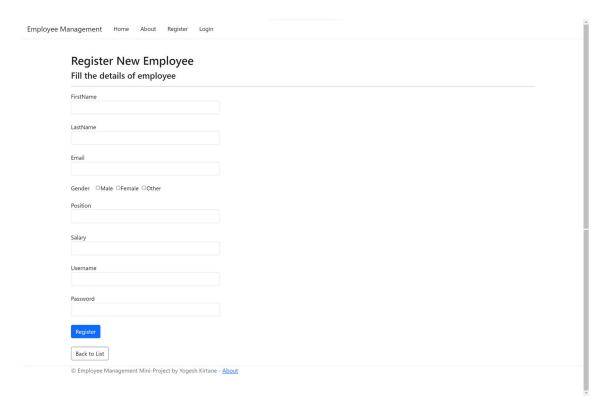
2. Login Page

Allow employee to login
The login page requires Username and Password to login into database
It also contains Register tab to redirect to registration page

Employee Management   Home   About   Register   Login

Admin Login

Username

Password

Login

Register

© Employee Management Mini-Project by Yogesh Kirtane - About

3. Registration Page

Allow to insert employee details such as First Name, Last Name, Email, Gender, Position, Salary, Username and password
New employees can be added with the help of this page

Employee Management   Home   About   Register   Login

Register New Employee
Fill the details of employee

FirstName

LastName

Email

Gender   ○Male ○Female ○Other
Position

Salary

Username

Password

Register

Back to List

© Employee Management Mini-Project by Yogesh Kirtane - About

4. List of Employee Page

Allow to insert, update and delete the employee
The employee details contains First Name, Last Name, Email, Gender, Position, Salary and Username

Employee Management   Home   About   Register   Login

List of Employees

Register New Employee

FirstName	LastName	Email	Gender	Position	Salary	Username	Actions
John	Smith	jsmith@gmail.com	Male	Software Engineer	45000	jsmith	Update | Details | Delete
Jennifer	Lawrence	jenni@gmail.com	Female	Design Engineer	55500	jenni	Update | Details | Delete
Vaibhav	Wagh	wagh@gmail.com	Male	System Engineer	35000	vwagh	Update | Details | Delete
Peter	parker	pete@gmail.com	Male	Software Engineer	65000	petep	Update | Details | Delete

© Employee Management Mini-Project by Yogesh Kirtane - About

5. Update Profile Page

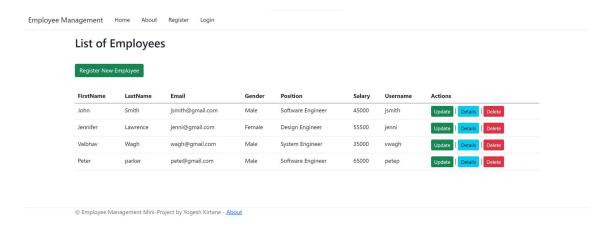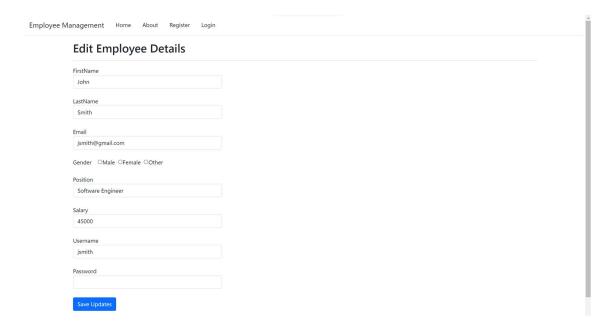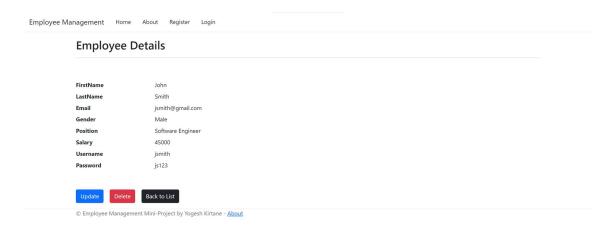Allow to update employee details such as First Name, Last Name, Email, Gender, Position, Salary, Username and Password

Employee Management   Home   About   Register   Login

Edit Employee Details

FirstName
John

LastName
Smith

Email
jsmith@gmail.com

Gender   ○Male ○Female ○Other

Position
Software Engineer

Salary
45000

Username
jsmith

Password

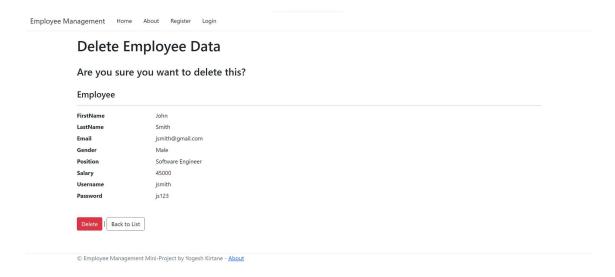Save Updates

6. Employee Details Page

Allow to update and delete the employee

The employee details contains First Name, Last Name, Email, Gender, Position, Salary, Username and Password

Employee Details

FirstName	John
LastName	Smith
Email	jsmith@gmail.com
Gender	Male
Position	Software Engineer
Salary	45000
Username	jsmith
Password	js123

[Update] [Delete] [Back to List]

© Employee Management Mini-Project by Yogesh Kirtane - *About*

7. Delete Employee Page

Allow to delete the employee data

The employee details contains First Name, Last Name, Email, Gender, Position, Salary, Username and Password

Delete Employee Data

Are you sure you want to delete this?

Employee

FirstName	John
LastName	Smith
Email	jsmith@gmail.com
Gender	Male
Position	Software Engineer
Salary	45000
Username	jsmith
Password	js123

[Delete] | [Back to List]

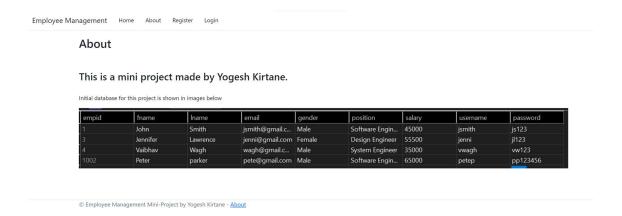© Employee Management Mini-Project by Yogesh Kirtane - *About*

8. About Page

Purpose of this page is to show details of Mini-Project
This page contains an image of database that have been used
The database contains First Name, Last Name, Email, Gender, Position, Salary, Username and Password.

Workflow :

This web application is developed with Entity Framework in .NET 6 using Database First Approach in Visual Studio 2022,
This approach allowed to create web application using existing database.

The command required to create Database First MVC Application is

```
Scaffold-DbContext "<Connection String>" Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models
```

Using Entity Framework, the CRUD operations are implemented automatically for the application, only Login Controller needed to be developed and registration page is developed using automatically created Create operation of Entity Framework.

Some changes are made in _Layout.cs to make it easier for the employee to go through web application.

Conclusion :

Using Visual Studio 2022, web application is developed by Entity Framework in ASP.NET 6 MVC using Database First Approach. By which basic CRUD (Create. Retrieve, Update, Delete) operation is implemented in the application.
Login and Register feature in Home Page of application is developed to authorize only employees to access employee data and to perform CRUD operations on the same.