Home Controller

using System.Diagnostics;

using Microsoft.AspNetCore.Mvc;

using Portal.Models;

using System.Collections.Generic;

using BOL;

using BLL;

namespace Portal.Controllers;

public class HomeController : Controller

{

    private readonly ILogger<HomeController> \_logger;

    public HomeController(ILogger<HomeController> logger)

    {

        \_logger = logger;

    }

    public IActionResult List(){

        List<Employee> elist=CatalogManager.get();

        ViewData["emplist"]=elist;

        return View();

    }

    public IActionResult Index()

    {

       return RedirectToAction("List");

    }

     public IActionResult Edit(int id1)

    { List<Employee> elist=CatalogManager.get();

    Employee e=elist.Find((e)=>e.id==id1);

    ViewData["singleData"]=e;

      return View();

    }

    [HttpPost]

      public IActionResult Edit(int id,String name ,string email,int number)

    {

        bool flag=CatalogManager.update(id,name,email, number);

        if(flag){

            return RedirectToAction("List");

        }

      return View();

    }

    public IActionResult Delete(int id){

        List<Employee> elist=CatalogManager.get();

    Employee e=elist.Find((e)=>e.id==id);

    ViewData["singleData"]=e;

        return View();

    }

        [HttpPost]

       public IActionResult delete(int id,String name ,string email,int number)

    {

        bool flag=CatalogManager.Delte(id,name,email, number);

        if(flag){

            return RedirectToAction("List");

        }

      return View();

    }

    public IActionResult Privacy()

    {

        return View();

    }

    [ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)]

    public IActionResult Error()

    {

        return View(new ErrorViewModel { RequestId = Activity.Current?.Id ?? HttpContext.TraceIdentifier });

    }

}

CatalogManager(BLL)

namespace BLL;

using BOL;

using DAL.Connected;

public class CatalogManager

{

    public static List<Employee> get(){

           List<Employee> elist=new List<Employee>();

        elist=DBManager.GetData();

        return elist;

    }

      public static bool update(int id,String name ,string email,int number){

        bool flag=DBManager.updatedata(id,name,email, number);

        return flag;

    }

      public static bool Delete(int id,String name ,string email,int number){

        bool flag=DBManager.updatedata(id,name,email, number);

        return flag;

    }

}

Employee class

namespace BOL;

public class Employee

    {

        public int id{get;set;}

    public string name{get;set;}

    public string Email{get;set;}

    public int Contact{get;set;}

    public string Designation{get;set;}

     }

DAL

namespace DAL.Connected;

using BOL;

using MySql.Data.MySqlClient;

//using inbuilt, external Object Models

public class DBManager{

    public static string conString=@"server=localhost;port=3306;user=root; password=root;database=dac12";

    public static List<Employee> GetData()        //get all rows of employee table

    {

        List<Employee> employees = new List<Employee>();

        MySqlConnection con = new MySqlConnection();

        con.ConnectionString = conString;

        try

        {

            string query = " SELECT \* FROM Employee";

            con.Open();

            MySqlCommand cmd = new MySqlCommand(query, con);

            MySqlDataReader reader = cmd.ExecuteReader();

            while (reader.Read())

            {

             int id1=int.Parse(reader["id"].ToString());

            string name1=reader["name"].ToString();

            string email1= reader["email"].ToString();

            int number1=int.Parse(reader["number"].ToString());

            string Designation1=reader["designation"].ToString();

                Employee emp = new Employee

                {

                    id = id1,

                    name = name1,

                    Email = email1,

                   Contact= number1,

                   Designation=Designation1,

                };

                employees.Add(emp);

            }

            reader.Close();

        }

        catch (Exception e)

        {

            throw e;

        }

        finally

        {

            con.Close();

        }

        return employees;

    }

    public static bool updatedata(int id,String name ,string email,int number){

     MySqlConnection con = new MySqlConnection();

        con.ConnectionString = conString;

            string query = " update Employee set name=@name,email=@email,number=@number where id=@id";

            con.Open();

            MySqlCommand cmd = new MySqlCommand(query, con);

            cmd.Parameters.AddWithValue("@name",name);

            cmd.Parameters.AddWithValue("@email",email);

            cmd.Parameters.AddWithValue("@number",number);

            cmd.Parameters.AddWithValue("@id",id);

         int a=cmd.ExecuteNonQuery();

            if(a>0){

                return true;

            }

            return false;

}

}

Index.cshtml

@using BOL;

@{

             List<Employee> elist=new List<Employee>();

                elist=ViewData["empList"] as List<Employee>;

}

<table border="2px">

    <thead>

        <tr>

            <th>

                id

            </th>

            <th>

                name

            </th>

            <th>

                email

            </th>

            <th>

                contact

            </th>

            <th>

                Edit

            </th>

            <th>

                Delete

            </th>

        </tr>

    </thead>

    <tbody>

        @foreach(Employee e in elist){

            <tr>

                <td>

                    @e.id;

                </td>

                <td>

                    @e.name

                </td>

                <td>

                    @e.Email

                </td>

                <td>

                    @e.Contact

                </td>

                <td>

                    <a href="./Edit/@e.id"><button>edit</button></a>

                </td>

                <td>

                    <a href="./Delete/@e.id"><button>delete</button></a>

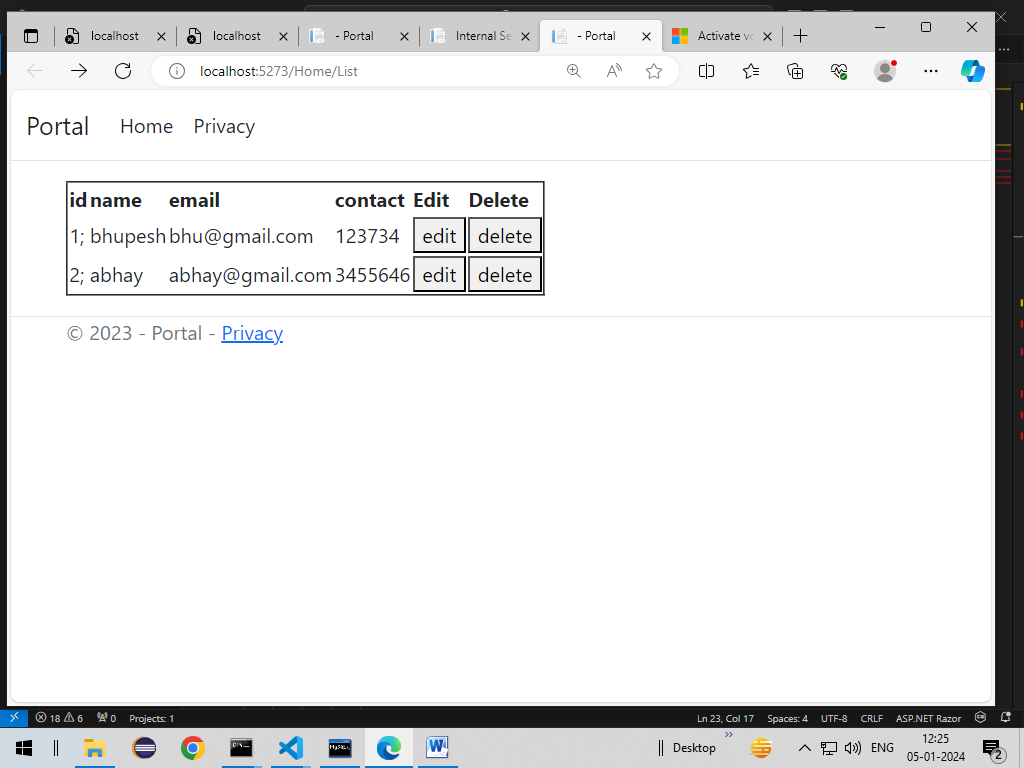
                </td>

            </tr>

        }

    </tbody>

</table>



Edit.Cshtml

@using BOL;

@{

    Employee e=new Employee();

    e=ViewData["singData"] as Employee;

}

<div>

<form method="post">

id

<br>

<input type="number" value="@e.id">

<br>

name

<br>

<input type="text" value="@e.name">

<br>

email

<br>

<input type="text" value="@e.Email">

<br>

contact

<br>

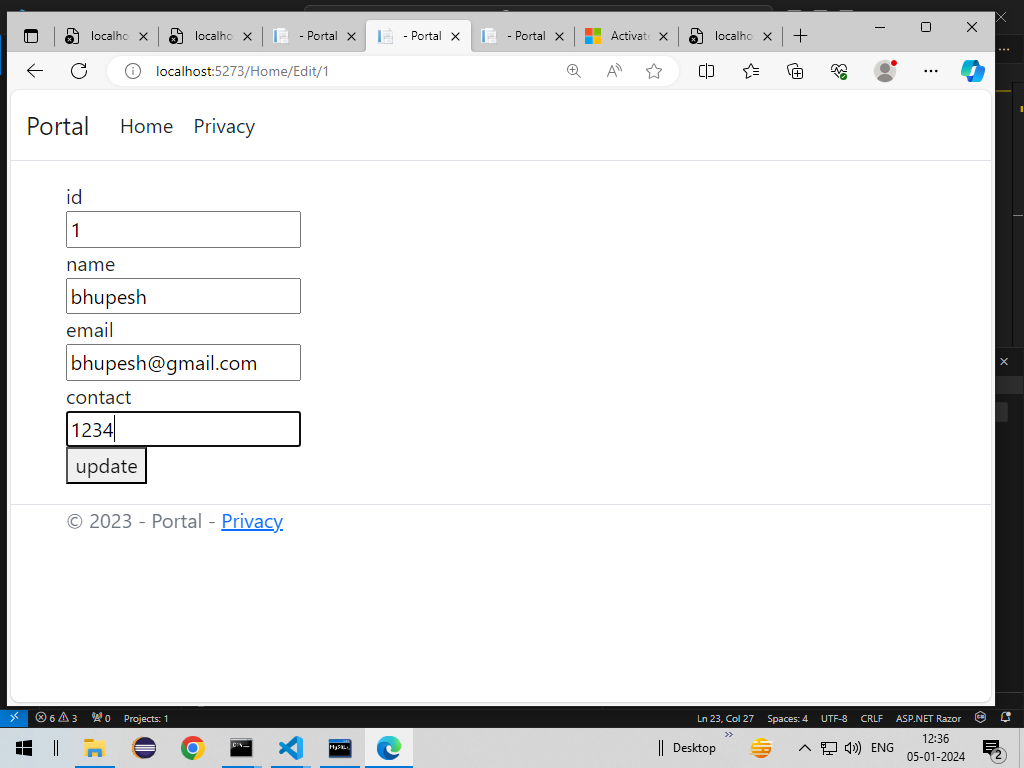
<input type="text" value="@e.Contact">

<br>

<button type="submit">update</button>

</form>

</div>



Delete.cshtml

@using BOL;

@{

    Employee e=new Employee();

    e=ViewData["singData"] as Employee;

}

<div>

<form method="post">

id

<br>

<input type="number" value="@e.id">

<br>

name

<br>

<input type="text" value="@e.name">

<br>

email

<br>

<input type="text" value="@e.Email">

<br>

contact

<br>

<input type="text" value="@e.Contact">

<br>

<button type="submit">update</button>

</form>

</div>

