Qn1

using System.ComponentModel.DataAnnotations;

namespace CustomerAssignmentApplication.Models

{

public class Customer

{

[Key]

public int Id { get; set; }

public string Username { get; set; }

public string Password { get; set; }

public string Email { get; set; }

public int Phone { get; set; }

[DataType(DataType.Date)]

public DateTime DOB { get; set; }

public string CustomerName { get; set; }

public int Age { get; set; }

public string Gender { get; set; }

}

}

using Microsoft.EntityFrameworkCore;

namespace CustomerAssignmentApplication.Models

{

public class CustomerDataContext : DbContext

{

public CustomerDataContext(DbContextOptions options) : base(options)

{

}

public DbSet<Customer> Customers { get; set; }

protected override void OnModelCreating(ModelBuilder modelBuilder) //seeding records

{

modelBuilder.Entity<Customer>().HasData(

new Customer()

{

Id = 1,

Username = "LPC",

Password = "P@ssw0rd",

Email = "lp@gmail.com",

Phone = 87654321,

CustomerName = "LP",

DOB = Convert.ToDateTime("20/08/1999"),

Age = 23,

Gender = "Female"

}

);

}

}

}

namespace CustomerAssignmentApplication.Services

{

public interface IRepo<K, T>

{

bool Add(T t);

bool Update(K k, T t);

bool Delete(K k);

ICollection<T> GetAll();

T GetT(K k);

}

}

using CustomerAssignmentApplication.Models;

namespace CustomerAssignmentApplication.Services

{

public class CustomerDataEFRepo : IRepo<int, Customer>

{

private readonly CustomerDataContext \_context;

public CustomerDataEFRepo(CustomerDataContext context)

{

\_context = context;

}

public bool Add(Customer t)

{

\_context.Add(t);

\_context.SaveChanges();

return true;

}

public bool Delete(int k)

{

\_context.Remove(GetT(k));

\_context.SaveChanges();

return true;

}

public ICollection<Customer> GetAll()

{

return \_context.Customers.ToList();

}

public Customer GetT(int k)

{

return \_context.Customers.FirstOrDefault(p => p.Id == k);

}

public bool Update(int k, Customer t)

{

var MyCustomer = \_context.Customers.FirstOrDefault(p => p.Id == k);

if (MyCustomer != null)

{

MyCustomer.Username = t.Username;

MyCustomer.Email = t.Email;

MyCustomer.Phone = t.Phone;

MyCustomer.DOB = t.DOB;

MyCustomer.CustomerName = t.CustomerName;

MyCustomer.Age = t.Age;

MyCustomer.Gender = t.Gender;

\_context.SaveChanges();

return true;

}

return false;

}

}

}

using CustomerAssignmentApplication.Models;

using CustomerAssignmentApplication.Services;

using Microsoft.AspNetCore.Mvc;

namespace CustomerAssignmentApplication.Controllers

{

public class CustomerController : Controller

{

private readonly IRepo<int, Customer> \_repo;

public CustomerController(IRepo<int, Customer> repo)

{

\_repo = repo;

}

public IActionResult Index()

{

var customers = \_repo.GetAll();

return View(customers);

}

[HttpGet]

public IActionResult Details(int id)

{

var customer = \_repo.GetT(id);

return View(customer);

}

[HttpGet]

public IActionResult Create()

{

return View(new Customer());

}

[HttpPost]

public IActionResult Create(Customer customer)

{

\_repo.Add(customer);

return RedirectToAction("Index");

}

[HttpGet]

public IActionResult Edit(int id)

{

var customer = \_repo.GetT(id);

return View(customer);

}

[HttpPost]

public IActionResult Edit(int id, Customer customer)

{

\_repo.Update(id, customer);

return RedirectToAction("Index");

}

[HttpPost]

public IActionResult DeleteConfirmed(int id)

{

\_repo.Delete(id);

return RedirectToAction("Index");

}

[HttpGet]

public IActionResult Delete(int id)

{

var customer = \_repo.GetT(id);

return View(customer);

}

}

}

@model IEnumerable<CustomerAssignmentApplication.Models.Customer>

@{

ViewData["Title"] = "View";

}

<h1>View</h1>

<p>

<**a** **asp-action**="Create">Create New</**a**>

</p>

<table class="table">

<thead>

<tr>

<th>

@Html.DisplayNameFor(model => model.Username)

</th>

<th>

@Html.DisplayNameFor(model => model.Password)

</th>

<th>

@Html.DisplayNameFor(model => model.Email)

</th>

<th>

@Html.DisplayNameFor(model => model.Phone)

</th>

<th>

@Html.DisplayNameFor(model => model.DOB)

</th>

<th>

@Html.DisplayNameFor(model => model.CustomerName)

</th>

<th>

@Html.DisplayNameFor(model => model.Age)

</th>

<th>

@Html.DisplayNameFor(model => model.Gender)

</th>

<th></th>

</tr>

</thead>

<tbody>

@foreach (var item in Model) {

<tr>

<td>

@Html.DisplayFor(modelItem => item.Username)

</td>

<td>

@Html.DisplayFor(modelItem => item.Password)

</td>

<td>

@Html.DisplayFor(modelItem => item.Email)

</td>

<td>

@Html.DisplayFor(modelItem => item.Phone)

</td>

<td>

@\*@Html.DisplayFor(modelItem => item.DOB.ToShortDateString())\*@

@Convert.ToDateTime(item.DOB).ToString("dd/MM/yyyy")

</td>

<td>

@Html.DisplayFor(modelItem => item.CustomerName)

</td>

<td>

@Html.DisplayFor(modelItem => item.Age)

</td>

<td>

@Html.DisplayFor(modelItem => item.Gender)

</td>

<td>

<**a** **asp-action**="Edit" **asp-route-id**="@item.Id">Edit</**a**> |

<**a** **asp-action**="Details" **asp-route-id**="@item.Id">Details</**a**> |

<**a** **asp-action**="Delete" **asp-route-id**="@item.Id">Delete</**a**>

@\*@Html.ActionLink("Delete", "Delete", new { id = item.Id }) \*@

</td>

</tr>

}

</tbody>

</table>

@model CustomerAssignmentApplication.Models.Customer

@{

ViewData["Title"] = "Create";

}

<link rel="stylesheet" href="https://code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">

<script src="https://code.jquery.com/jquery-1.12.4.js"></script>

<script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>

<h1>Create</h1>

<h4>Customer</h4>

<hr />

<div class="row">

<div class="col-md-4">

<**form** **asp-action**="Create">

<**div** **asp-validation-summary**="ModelOnly" class="text-danger"></**div**>

<div class="form-group">

<**label** **asp-for**="Username" class="control-label"></**label**>

<**input** **asp-for**="Username" class="form-control" />

<**span** **asp-validation-for**="Username" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Password" class="control-label"></**label**>

<**input** **asp-for**="Password" class="form-control" />

<**span** **asp-validation-for**="Password" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Email" class="control-label"></**label**>

<**input** **asp-for**="Email" class="form-control" />

<**span** **asp-validation-for**="Email" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Phone" class="control-label"></**label**>

<**input** **asp-for**="Phone" class="form-control" />

<**span** **asp-validation-for**="Phone" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="DOB" class="control-label"></**label**>

@\*<input asp-for="DOB" class="form-control" />\*@

<div>

@\*@Html.DisplayNameFor(m => m.DOB)\*@

@\*@Html.EditorFor(m => m.DOB, new { htmlAttributes = new { @class = "form-control", @id="Date" }})\*@

<input type="date" class = "form-control" name="DOB" />

</div>

<**span** **asp-validation-for**="DOB" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="CustomerName" class="control-label"></**label**>

<**input** **asp-for**="CustomerName" class="form-control" />

<**span** **asp-validation-for**="CustomerName" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Age" class="control-label"></**label**>

<**input** **asp-for**="Age" class="form-control" />

<**span** **asp-validation-for**="Age" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Gender" class="control-label"></**label**>

@\*<input asp-for="Gender" class="form-control" />\*@

<div class="btn-group" role="group">

@\*<input type="radio" name="radio-Btn-Group" class="btn-check" id="radioBtn1">

<label class="btn btn-outline-danger" for="radioBtn1">Male</label>

<input type="radio" name="radio-Btn-Group" class="btn-check" id="radioBtn2">

<label class="btn btn-outline-danger" for="radioBtn2">Female</label>\*@

@Html.RadioButtonFor(m => m.Gender,"Male", new { @class = "btn-check" ,@id = "radioBtn1"})

<label class="btn btn-outline-warning" for="radioBtn1">Male</label>

@Html.RadioButtonFor(m => m.Gender,"Female", new { @class = "btn-check" ,@id = "radioBtn2"})

<label class="btn btn-outline-warning" for="radioBtn2">Female</label>

</div>

<**span** **asp-validation-for**="Gender" class="text-danger"></**span**>

</div>

<div class="form-group">

<input type="submit" value="Create" class="btn btn-primary" />

</div>

</**form**>

</div>

</div>

<div>

<**a** **asp-action**="Index">Back to List</**a**>

</div>

@section Scripts {

@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}

}

@model CustomerAssignmentApplication.Models.Customer

@{

ViewData["Title"] = "Details";

}

<h1>Details</h1>

<div>

<h4>Customer</h4>

<hr />

<dl class="row">

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Username)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Username)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Password)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Password)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Email)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Email)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Phone)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Phone)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.DOB)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.DOB )

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.CustomerName)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.CustomerName)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Age)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Age)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Gender)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Gender)

</dd>

</dl>

</div>

<div>

<**a** **asp-action**="Edit" **asp-route-id**="@Model?.Id">Edit</**a**> |

<**a** **asp-action**="Index">Back to List</**a**>

</div>

@model CustomerAssignmentApplication.Models.Customer

@{

ViewData["Title"] = "Edit";

}

<h1>Edit</h1>

<h4>Customer</h4>

<hr />

<div class="row">

<div class="col-md-4">

<**form** **asp-action**="Edit">

<**div** **asp-validation-summary**="ModelOnly" class="text-danger"></**div**>

<**input** **type**="hidden" **asp-for**="Id" />

<div class="form-group">

<**label** **asp-for**="Username" class="control-label"></**label**>

<**input** **asp-for**="Username" class="form-control" />

<**span** **asp-validation-for**="Username" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Password" class="control-label"></**label**>

<**input** **asp-for**="Password" class="form-control" />

<**span** **asp-validation-for**="Password" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Email" class="control-label"></**label**>

<**input** **asp-for**="Email" class="form-control" />

<**span** **asp-validation-for**="Email" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Phone" class="control-label"></**label**>

<**input** **asp-for**="Phone" class="form-control" />

<**span** **asp-validation-for**="Phone" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="DOB" class="control-label"></**label**>

@\*<input asp-for="DOB" class="form-control" />\*@

<input type="date" class = "form-control" name="DOB" />

<**span** **asp-validation-for**="DOB" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="CustomerName" class="control-label"></**label**>

<**input** **asp-for**="CustomerName" class="form-control" />

<**span** **asp-validation-for**="CustomerName" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Age" class="control-label"></**label**>

<**input** **asp-for**="Age" class="form-control" />

<**span** **asp-validation-for**="Age" class="text-danger"></**span**>

</div>

<div class="form-group">

<**label** **asp-for**="Gender" class="control-label"></**label**>

<div class="btn-group" role="group">

@Html.RadioButtonFor(m => m.Gender,"Male", new { @class = "btn-check" ,@id = "radioBtn1"})

<label class="btn btn-outline-warning" for="radioBtn1">Male</label>

@Html.RadioButtonFor(m => m.Gender,"Female", new { @class = "btn-check" ,@id = "radioBtn2"})

<label class="btn btn-outline-warning" for="radioBtn2">Female</label>

</div>

<**span** **asp-validation-for**="Gender" class="text-danger"></**span**>

</div>

<div class="form-group">

<input type="submit" value="Save" class="btn btn-primary" />

</div>

</**form**>

</div>

</div>

<div>

<**a** **asp-action**="Index">Back to List</**a**>

</div>

@section Scripts {

@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}

}

@model CustomerAssignmentApplication.Models.Customer

@{

ViewData["Title"] = "Delete";

}

<h1>Delete</h1>

<h3>Are you sure you want to delete this?</h3>

<div>

<h4>Customer</h4>

<hr />

<dl class="row">

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Username)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Username)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Password)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Password)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Email)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Email)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Phone)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Phone)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.DOB)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.DOB)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.CustomerName)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.CustomerName)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Age)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Age)

</dd>

<dt class = "col-sm-2">

@Html.DisplayNameFor(model => model.Gender)

</dt>

<dd class = "col-sm-10">

@Html.DisplayFor(model => model.Gender)

</dd>

</dl>

<**form** **asp-action**="DeleteConfirmed">

<**input** **type**="hidden" **asp-for**="Id" />

<input type="submit" value="Delete" class="btn btn-danger" /> |

<**a** **asp-action**="Index">Back to List</**a**>

</**form**>

</div>





