**Include the edit and delete functionalities for both employee and department**

**EmployeeController**

#region update

[HttpGet]

public IActionResult Update(int id)

{

var employee = \_repository.Get(id);

return View(employee);

}

[HttpPost]

public IActionResult Update(int id, Employee employee)

{

ViewBag.Message = "";

try

{

\_repository.Update(employee);

return RedirectToAction("Index");

}

catch (Exception e)

{

Debug.WriteLine(e.Message);

ViewBag.Message = "Employee not found";

}

return View(employee);

}

#endregion

#region delete

[HttpGet]

public IActionResult Delete(int id)

{

var employee = \_repository.Get(id);

return View(employee);

}

[HttpPost]

public IActionResult Delete(int id, Employee employee)

{

ViewBag.Message = "";

try

{

\_repository.Delete(id);

return RedirectToAction("Index");

}

catch (Exception e)

{

Debug.WriteLine(e.Message);

ViewBag.Message = "Unable to delete employee";

}

return View(employee);

}

#endregion

Employee – Delete.cshtml

@model CompanyApplication.Models.Employee

@{

ViewData["Title"] = "Delete";

}

<h1>Delete</h1>

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

<div>

<h4>Employee</h4>

<hr />

<dl class="row">

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

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

</dt>

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

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

</dd>

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

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

</dt>

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

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

</dd>

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

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

</dt>

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

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

</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.Salary)

</dt>

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

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

</dd>

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

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

</dt>

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

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

</dd>

</dl>

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

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

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

</**form**>

</div>

**Employee-Update.cshtml**

@model CompanyApplication.Models.Employee

@{

ViewData["Title"] = "Update";

}

<h1>Update</h1>

<h4>Employee</h4>

<hr />

<div class="row">

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

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

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

@\* <div class="form-group">

<label asp-for="Id" class="control-label"></label>

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

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

</div> \*@

<div class="form-group">

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

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

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

</div>

<div class="form-group">

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

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

<**span** **asp-validation-for**="DateOfBirth" 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**="Salary" class="control-label"></**label**>

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

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

</div>

<div class="form-group">

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

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

<**span** **asp-validation-for**="DepartmnetId" 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");}

}

**DepartmentController**

using CompanyApplication.Interfaces;

using CompanyApplication.Models;

using Microsoft.AspNetCore.Mvc;

using Microsoft.EntityFrameworkCore.Metadata.Internal;

using System.Diagnostics;

namespace CompanyApplication.Controllers

{

public class DepartmentController : Controller

{

private readonly IRepository<int, Department> \_repository;

public DepartmentController(IRepository<int, Department> repository)

{

\_repository = repository;

}

//List<Department> departments = new List<Department>();

public IActionResult Index()

{

return View(\_repository.GetAll());

}

[HttpGet]

public IActionResult Add()

{

return View();

}

[HttpPost]

public IActionResult Add(Department department)

{

\_repository.Add(department);

return RedirectToAction("Index");

}

#region update

[HttpGet]

public IActionResult Update(int id)

{

var department = \_repository.Get(id);

return View(department);

}

[HttpPost]

public IActionResult Update(int id, Department department)

{

ViewBag.Message = "";

try

{

\_repository.Update(department);

return RedirectToAction("Index");

}

catch (Exception e)

{

Debug.WriteLine(e.Message);

ViewBag.Message = "department not found";

}

return View(department);

}

#endregion

#region delete

[HttpGet]

public IActionResult Delete(int id)

{

var department = \_repository.Get(id);

return View(department);

}

[HttpPost]

public IActionResult Delete(int id, Department department)

{

ViewBag.Message = "";

try

{

\_repository.Delete(id);

return RedirectToAction("Index");

}

catch (Exception e)

{

Debug.WriteLine(e.Message);

ViewBag.Message = "Unable to delete department";

}

return View(department);

}

#endregion

}

}

Department-Update.cshtml

@model CompanyApplication.Models.Department

@{

ViewData["Title"] = "Update";

}

<h1>Update</h1>

<h4>Department</h4>

<hr />

<div class="row">

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

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

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

@\* <div class="form-group">

<label asp-for="DepartmentNumber" class="control-label"></label>

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

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

</div> \*@

<div class="form-group">

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

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

<**span** **asp-validation-for**="Name" 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");}

}

**Department-delete.cshtml**

@model CompanyApplication.Models.Department

@{

ViewData["Title"] = "Delete";

}

<h1>Delete</h1>

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

<div>

<h4>Department</h4>

<hr />

<dl class="row">

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

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

</dt>

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

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

</dd>

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

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

</dt>

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

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

</dd>

</dl>

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

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

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

</**form**>

</div>