# WEEK 4 WEB API (4)

THE UPDATED EMPLOYEECONTROLLER CODE:

using EmployeeApi.Filters;

using EmployeeApi.Models;

using Microsoft.AspNetCore.Mvc;

using WebApplication4.Filters;

namespace EmployeeApi.Controllers

{

[ApiController]

[Route("api/[controller]")]

[TypeFilter(typeof(CustomAuthFilter))]

public class EmployeeController : ControllerBase

{

private List<Employee> GetStandardEmployeeList()

{

return new List<Employee>

{

new Employee

{

Id = 1,

Name = "Alice",

Salary = 60000,

Permanent = true,

Department = new Department { Id = 1, Name = "HR" },

Skills = new List<Skill> { new Skill { Id = 1, Name = "Communication" } },

DateOfBirth = new DateTime(1990, 1, 1)

}

};

}

[HttpGet("standard")]

[ProducesResponseType(typeof(List<Employee>), 200)]

[ProducesResponseType(500)]

public ActionResult<List<Employee>> GetStandard()

{

throw new Exception("Testing custom exception filter");

return GetStandardEmployeeList();

}

[HttpPost]

public ActionResult<Employee> Create([FromBody] Employee emp)

{

return Ok(emp);

}

}

}

[ApiController]

[Route("api/[controller]")]

[TypeFilter(typeof(CustomAuthFilter))]

public class EmployeeController : ControllerBase

{

// Existing methods like GetStandard()

[HttpPut("{id}")]

public ActionResult<Employee> UpdateEmployee(int id, [FromBody] Employee updatedEmp)

{

if (id <= 0)

{

return BadRequest("Invalid employee id");

}

var employees = GetStandardEmployeeList();

var existingEmp = employees.FirstOrDefault(e => e.Id == id);

if (existingEmp == null)

{

return BadRequest("Invalid employee id");

}

// Update the values

existingEmp.Name = updatedEmp.Name;

existingEmp.Salary = updatedEmp.Salary;

existingEmp.Permanent = updatedEmp.Permanent;

existingEmp.Department = updatedEmp.Department;

existingEmp.Skills = updatedEmp.Skills;

existingEmp.DateOfBirth = updatedEmp.DateOfBirth;

return Ok(existingEmp);

}

// You should already have this method:

private List<Employee> GetStandardEmployeeList()

{

return new List<Employee>

{

new Employee

{

Id = 1,

Name = "Alice",

Salary = 60000,

Permanent = true,

Department = new Department { Id = 1, Name = "HR" },

Skills = new List<Skill> { new Skill { Id = 1, Name = "Communication" } },

DateOfBirth = new DateTime(1990, 1, 1)

}

};

}

}