**ADDITIONAL HANDSON**

**Problem Statement - Display Employee List and Edit Employee form using RESTful Web Service** 

**EmployeeRestApiApplication.java**

package com.example;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class EmployeeRestApiApplication {

public static void main(String[] args) {

SpringApplication.run(EmployeeRestApiApplication.class, args);

}

}

**EmployeeControlle.java**

package com.example.controller;

import com.example.model.Employee;

import com.example.service.EmployeeService;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.web.bind.annotation.\*;

import java.util.List;

@RestController

@RequestMapping("/employees")

public class EmployeeController {

@Autowired

private EmployeeService employeeService;

@GetMapping

public List<Employee> getAllEmployees() {

return employeeService.getAllEmployees();

}

@GetMapping("/{id}")

public Employee getEmployeeById(@PathVariable int id) {

return employeeService.getEmployeeById(id);

}

}

**Employee.java**

package com.example.model;

import java.util.List;

public class Employee {

private int id;

private String name;

private List<String> skills;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public List<String> getSkills() {

return skills;

}

public void setSkills(List<String> skills) {

this.skills = skills;

}

}

**EmployeeDao.java**

package com.example.dao;

import com.example.model.Employee;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.stereotype.Repository;

import java.util.List;

@Repository

public class EmployeeDao {

public static List<Employee> EMPLOYEE\_LIST;

static {

ApplicationContext context = new ClassPathXmlApplicationContext("employee.xml");

EMPLOYEE\_LIST = (List<Employee>) context.getBean("employeeList");

}

public List<Employee> getAllEmployees() {

return EMPLOYEE\_LIST;

}

public Employee getEmployeeById(int id) {

return EMPLOYEE\_LIST.stream().filter(emp -> emp.getId() == id).findFirst().orElse(null);

}

}

**EmployeeService.java**

package com.example.service;

import com.example.dao.EmployeeDao;

import com.example.model.Employee;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import java.util.List;

@Service

public class EmployeeService {

@Autowired

private EmployeeDao employeeDao;

public List<Employee> getAllEmployees() {

return employeeDao.getAllEmployees();

}

public Employee getEmployeeById(int id) {

return employeeDao.getEmployeeById(id);

}

}



