MainController:

package com.simplilearn.controller;

import java.util.List;

import javax.servlet.http.HttpServletRequest;

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

import org.springframework.stereotype.Controller;

import org.springframework.ui.ModelMap;

import org.springframework.web.bind.annotation.GetMapping;

import com.simplilearn.dao.EProductDao;

import com.simplilearn.entity.EProductEntity;

@Controller

public class MainController {

@Autowired

EProductDao dao

@GetMapping("/listproduct")

public String getAllProducts(ModelMap map) {

List<EProductEntity> list= dao.getAllProducts();

map.addAttribute("list", list);

return "products";

}

@GetMapping("/details")

public String getProduct(HttpServletRequest request,ModelMap map) {

long id=Long.parseLong(request.getParameter("id"));

EProductEntity entity=dao.getProductById(id);

map.addAttribute("obj",entity);

return "details";

}

@GetMapping("/sucess")

public void updateProduct(HttpServletRequest request,ModelMap map) {

long id=Long.parseLong(request.getParameter("id"));

String name=request.getParameter("name");

String price=request.getParameter("price");

dao.updateProduct(id,name,price);

}

}

EProductEntity:

package com.simplilearn.entity;

import java.math.BigDecimal;

import java.util.Date;

public class EProductEntity {

private long id;

private String name;

private BigDecimal price;

public EProductEntity() {

// TODO Auto-generated constructor stub

}

public EProductEntity(int id,String name, BigDecimal price) {

super();

this.id=id;

this.name = name;

this.price = price;

}

public long getId() {

return id;

}

public void setId(long id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public BigDecimal getPrice() {

return price;

}

public void setPrice(BigDecimal price) {

this.price = price;

}

@Override

public String toString() {

return "EProductEntity [id=" + id + ", name=" + name + ",price=”+price]";

}

}

EProductDao:

package com.simplilearn.dao;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.List;

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

import org.springframework.dao.DataAccessException;

import org.springframework.jdbc.core.JdbcTemplate;

import org.springframework.jdbc.core.ResultSetExtractor;

import org.springframework.jdbc.core.RowMapper;

import org.springframework.stereotype.Repository;

import com.simplilearn.entity.EProductEntity;

@Repository

public class EProductDao {

@Autowired

JdbcTemplate jdbcTemplate;

public List<EProductEntity> getAllProducts() {

return jdbcTemplate.query("select \* from productdetails", new RowMapper<EProductEntity>() {

public EProductEntity mapRow(ResultSet rs, int rowNum) throws SQLException {

EProductEntity obj = new EProductEntity();

obj.setId(rs.getLong(1));

obj.setName(rs.getString(2));

obj.setPrice(rs.getBigDecimal(3));

return obj;

}

});

}

public EProductEntity getProductById(long id) {

return jdbcTemplate.query("select \* from productdetails where id=" + id,

new ResultSetExtractor<EProductEntity>() {

public EProductEntity extractData(ResultSet rs) throws SQLException, DataAccessException {

// TODO Auto-generated method stub

if (rs.next()) {

EProductEntity obj = new EProductEntity();

obj.setId(rs.getLong(1));

obj.setName(rs.getString(2));

obj.setPrice(rs.getBigDecimal(3));

return obj;

}

return null;

}

});

}

public void updateProduct(long id,String name,String price) {

String sql = "update productdetails set pname="+"'"+name+"'"+","+"price="+price+" where id="+id;

jdbcTemplate.update(sql);

}

}

# Jsp Files:

Details.jsp:

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"* isELIgnored=*"false"* %>

<%@taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>updation of details</title>

</head>

<body>

<h3>Products Details Page</h3>

<c:set var=*"product"* value=*"*${obj }*"*></c:set>

Name: ${product.name } <br>

Price: ${product.price }

<br><br>

<form action=*"sucess"*>

product id : <input type=*"text"* name=*"id"* ><br>

Name: <input type=*"text"* name=*"name"* ><br>

Price : <input type=*"text"* name=*"price"* ><br>

<input type=*"submit"* value=*"submit"*>

</form>

</body>

</html>

Products.jsp:

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>ECommerce Products </h1>

<table>

<tr><th>ID</th><th>NAME</th><th>PRICE</th><th>DATE</th></tr>

<c:forEach var=*"p"* items=*"*${list }*"*>

<tr>

<td>${p.id }</td>

<td>${p.name }</td>

<td>${p.price }</td>

</tr>

</c:forEach>

</table>

</body>

</html>

Success.jsp:

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1> successfully updated</h1>

<br><br>

<a href=*"listproduct"*>To see all products click here</a>

</body>

</html>

index.jsp:

<html>

<body>

<h2>Welcome Page</h2>

<a href=*"listproduct"*>List All Products</a>

<br><br>

<form action=*"details"*>

product id : <input type=*"text"* name=*"id"* ><br>

<input type=*"submit"* value=*"submit"*>

</form>

</body>

</html>

# Xml files:

Web.xml:

<web-app>

<display-name>Archetype Created Web Application</display-name>

<servlet>

<servlet-name>test</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>test</servlet-name>

<url-pattern>/</url-pattern>

</servlet-mapping>

<context-param>

<param-name>contextConfigLocation</param-name>

<param-value>/WEB-INF/test-servlet.xml</param-value>

</context-param>

<listener>

<listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>

</listener>

</web-app>

Test-servlet.xml:

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<beans xmlns=*"http://www.springframework.org/schema/beans"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xmlns:context=*"http://www.springframework.org/schema/context"*

xsi:schemaLocation=*"*

*http://www.springframework.org/schema/beans*

*http://www.springframework.org/schema/beans/spring-beans.xsd*

*http://www.springframework.org/schema/context*

*http://www.springframework.org/schema/context/spring-context.xsd"*>

<context:annotation-config></context:annotation-config>

<!-- jsp output -->

<context:component-scan base-package=*"com.simplilearn.controller"*></context:component-scan>

<bean id=*"jspViewResolver"* class=*"org.springframework.web.servlet.view.InternalResourceViewResolver"*>

<property name=*"suffix"* value=*".jsp"*></property>

<property name=*"prefix"* value=*"/WEB-INF/view/"*></property>

</bean>

<!-- database -->

<bean id=*"dataSource"* class=*"org.springframework.jdbc.datasource.DriverManagerDataSource"*>

<property name=*"driverClassName"* value=*"com.mysql.jdbc.Driver"*></property>

<property name=*"url"* value=*"jdbc:mysql://localhost:3306/mydb"*></property>

<property name=*"username"* value=*"root"*></property>

<property name=*"password"* value=*"1204@Koushika"*></property>

</bean>

<bean id=*"jdbcTemplate"* class=*"org.springframework.jdbc.core.JdbcTemplate"*>

<property name=*"dataSource"* ref=*"dataSource"*></property>

</bean>

<bean id=*"dao"* class=*"com.simplilearn.dao.EProductDao"*></bean>

</beans>

Pom.xml:

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>SpecificUserProject</groupId>

<artifactId>SpecificUser</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>war</packaging>

<name>SpringJDBC Maven Webapp</name>

<url>http://maven.apache.org</url>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!--spring context-->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.22</version>

</dependency>

<!--spring core-->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-core</artifactId>

<version>5.3.22</version>

</dependency>

<!--Spring beans-->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-beans</artifactId>

<version>5.3.22</version>

</dependency>

<!--spring web-->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-web</artifactId>

<version>5.3.22</version>

</dependency>

<!--spring webmvc-->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.3.22</version>

</dependency>

<!--spring jdbc-->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-jdbc</artifactId>

<version>5.3.22</version>

</dependency>

<!--mysql connector-->

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>8.0.30</version>

</dependency>

<!--java servlet jstl-->

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<!--java servlet API-->

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>javax.servlet-api</artifactId>

<version>4.0.1</version>

<scope>provided</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.1</version>

<configuration>

<release>17</release>

</configuration>

</plugin>

<plugin>

<artifactId>maven-war-plugin</artifactId>

<version>3.2.3</version>

</plugin>

</plugins>

</build>

</project>