**Source Code for UpdatingUserDetails:**

1. **MainController.java:**

package com.simplilearn.controller;

import java.io.IOException;

import java.io.PrintWriter;

import java.math.BigDecimal;

import java.text.ParseException;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

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;

import org.apache.log4j.Logger;

@Controller

public class MainController {

@Autowired

EProductDao dao;

private Logger logger = Logger.getLogger(MainController.class);

@GetMapping("/productid")

public String getProduct(HttpServletRequest request,ModelMap map, HttpServletResponse response) {

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

if(id>0)

{

EProductEntity entity=dao.getProductById(id);

logger.info("This Is An Info Log Entry ......!");

logger.info(entity);

map.addAttribute("obj",entity);

return "details";

}

else

{

try {

try {

request.getRequestDispatcher("/index.jsp").include(request, response);

response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.println("<center><span style='color:red'>Invalid Credentials!!</span></center>");

} catch (ServletException e) {

e.printStackTrace();

}

} catch (IOException e) {

e.printStackTrace();

}

}

return null;

}

@GetMapping("/update")

public String updateProduct(HttpServletRequest request,ModelMap map) {

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

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

BigDecimal price = new BigDecimal(request.getParameter("price"));

String date1 = request.getParameter("date");

SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");

Date date;

try {

date = formatter.parse(date1);

EProductEntity entity= new EProductEntity();

entity.setId(id);

entity.setName(name);

entity.setPrice(price);

entity.setDateAdded(date);

dao.updateProduct(entity);

map.addAttribute("obj",entity);

} catch (ParseException e) {

e.printStackTrace();

}

return "details";

}

}

1. **EProductDao.java:**

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 eproduct", 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));

obj.setDateAdded(rs.getTimestamp(4));

return obj;

}

});

}

public EProductEntity getProductById(long id) {

return jdbcTemplate.query("select \* from eproduct where id=" + id, new ResultSetExtractor<EProductEntity>() {

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

if (rs.next()) {

EProductEntity obj = new EProductEntity();

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

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

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

obj.setDateAdded(rs.getTimestamp(4));

return obj;

}

return null;

}

});

}

public void updateProduct(EProductEntity obj) {

if (obj.getId() > 0)

{

String sql = "update eproduct set name=?, price=?,date\_added=? where id=?";

jdbcTemplate.update(sql, obj.getName(), obj.getPrice(), obj.getDateAdded(), obj.getId());

} else

{

String sql = "insert into eproduct (name,price,date\_added) values (?,?,?)";

jdbcTemplate.update(sql, obj.getName(), obj.getPrice(), obj.getDateAdded());

}

}

}

1. **EProductEntity.java:**

package com.simplilearn.entity;

import java.math.BigDecimal;

import java.util.Date;

public class EProductEntity {

private long id;

private String name;

private BigDecimal price;

private Date dateAdded;

public EProductEntity() {

}

public EProductEntity(String name, BigDecimal price, Date dateAdded) {

super();

this.name = name;

this.price = price;

this.dateAdded = dateAdded;

}

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;

}

public Date getDateAdded() {

return dateAdded;

}

public void setDateAdded(Date dateAdded) {

this.dateAdded = dateAdded;

}

@Override

public String toString() {

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

}

}

1. **Details.jsp:**

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

pageEncoding="UTF-8"%>

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

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

<h3>Products Details Page</h3>

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

Id: ${product.id } <br>

Name: ${product.name } <br>

Price: ${product.price } <br>

Date: ${product.dateAdded } <br><br>

<a href="edit.jsp">Click here to edit</a> <br><br>

<a href="index.jsp">Click here go to home page</a>

</body>

</html>

1. **test-servelt.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.cj.jdbc.Driver"></property>

<property name="url" value="jdbc:mysql://localhost:3306/ecommerce1"></property>

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

<property name="password" value="Vyshi@1432"></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>

1. **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>

1. **Edit.jsp:**

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

pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

<h2>Please Update Details !</h2>

<form action="update">

<input type="number" name="id" placeholder="ID"><br>

<input type="text" name="name" placeholder="Name"><br>

<input type="number" name="price" placeholder="Price"><br>

<input type="date" name="date" placeholder="Date"><br>

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

</form>

</body>

</html>

1. **Index.jsp:**

<html>

<body>

<h2>Product Details Console !</h2>

<form action="productid">

<input type="number" name="id" placeholder="ID"> <input

type="submit" value="Enter">

</form>

</body>

</html>