package com.bean;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import org.springframework.context.annotation.Scope;

import org.springframework.stereotype.Component;

@Entity

@Component

@Scope("prototype")

public class Product {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int pid;

private String pname;

private float price;

private String url;

public int getPid() {

return pid;

}

public void setPid(int pid) {

this.pid = pid;

}

public String getPname() {

return pname;

}

public void setPname(String pname) {

this.pname = pname;

}

public float getPrice() {

return price;

}

public void setPrice(float price) {

this.price = price;

}

public String getUrl() {

return url;

}

public void setUrl(String url) {

this.url = url;

}

@Override

public String toString() {

return "Product [pid=" + pid + ", pname=" + pname + ", price=" + price + ", url=" + url + "]";

}

}

package com.controller;

import java.util.List;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpSession;

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

import org.springframework.stereotype.Controller;

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

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

import org.springframework.web.servlet.ModelAndView;

import com.bean.Product;

import com.service.ProductService;

@Controller

public class ProductController {

/\*

\*

\* create table product(pid int primary key auto\_increment, pname varchar(50), price float, url blob);

\*

\*/

@Autowired

ProductService productService;

@RequestMapping(value = "findAllProduct",method = RequestMethod.GET)

public ModelAndView findAllProduct(HttpSession hs) { // DI for session object.

List<Product> listOfProduct = productService.findAllProduct();

hs.setAttribute("products", listOfProduct);

ModelAndView mav = new ModelAndView();

mav.setViewName("products.jsp");

return mav;

}

@RequestMapping(value = "storeProduct",method = RequestMethod.POST)

public ModelAndView storeProduct(HttpServletRequest req, Product product, HttpSession hs) {

String pname = req.getParameter("pname");

float price = Float.parseFloat(req.getParameter("price"));

String url = req.getParameter("url");

product.setPname(pname);

product.setPrice(price);

product.setUrl(url);

String result = productService.storeProduct(product);

ModelAndView mav = new ModelAndView();

mav.addObject("msg", result);

List<Product> listOfProduct = productService.findAllProduct();

hs.setAttribute("products", listOfProduct);

mav.setViewName("products.jsp");

return mav;

}

@RequestMapping(value = "deleteProduct",method = RequestMethod.GET)

public ModelAndView deleteProduct(HttpServletRequest req,HttpSession hs) {

int pid = Integer.parseInt(req.getParameter("pid"));

System.out.println("product id is "+pid);

ModelAndView mav = new ModelAndView();

String result = productService.deleteProduct(pid);

mav.addObject("msg", result);

List<Product> listOfProduct = productService.findAllProduct();

hs.setAttribute("products", listOfProduct);

mav.setViewName("products.jsp");

return mav;

}

}

package com.orm;

import java.util.List;

import javax.persistence.TypedQuery;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

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

import org.springframework.stereotype.Repository;

import com.bean.Product;

@Repository

public class ProductDao {

@Autowired

SessionFactory sf;

public int storeProduct(Product product) {

try {

System.out.println("dao layer");

Session session = sf.openSession();

Transaction tran = session.getTransaction();

tran.begin();

session.save(product);

tran.commit();

return 1;

} catch (Exception e) {

System.err.println(e);

return 0;

}

}

public int deleteProduct(int pid) {

try {

Session session = sf.openSession();

Transaction tran = session.getTransaction();

Product p = session.find(Product.class, pid);

if(p==null) {

return 0;

}else {

tran.begin();

session.delete(p);

tran.commit();

return 1;

}

} catch (Exception e) {

System.err.println(e);

return 0;

}

}

public List<Product> findAllProduct() {

Session session = sf.openSession();

TypedQuery<Product> qry = session.createQuery("from Product");

List<Product> listOfProduct = qry.getResultList();

return listOfProduct;

}

}

package com.service;

import java.util.List;

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

import org.springframework.stereotype.Service;

import com.bean.Product;

import com.orm.ProductDao;

@Service

public class ProductService {

@Autowired

ProductDao productDao;

public String storeProduct(Product product) {

if(productDao.storeProduct(product)>0) {

return "Product stored successfully";

}else {

return "Product didn't store";

}

}

public List<Product> findAllProduct() {

return productDao.findAllProduct();

}

public String deleteProduct(int pid) {

if(productDao.deleteProduct(pid)>0) {

return "Product deleted successfully";

}else {

return "Product not present";

}

}

}

<%@ 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>

<%

response.sendRedirect("findAllProduct");

%>

</body>

</html>

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

pageEncoding="UTF-8"%>

<%@page import="java.util.Iterator"%>

<%@page import="com.bean.Product"%>

<%@page import="java.util.List"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Product Management System</title>

</head>

<body>

${requestScope.msg}<br/>

<h2>Product Management System</h2>

<form action="storeProduct" method="post">

<label>PName</label>

<input type="text" name="pname"><br/>

<label>Price</label>

<input type="number" name="price"><br/>

<label>Image URL</label>

<input type="url" name="url"><br/>

<input type="submit" value="Store Product"/>

<input type="reset" value="reset"/>

</form>

<hr/>

<table border="1">

<tr>

<th>PId</th>

<th>PName</th>

<th>Price</th>

<th>Image URL</th>

<th>Feedback</th>

<th>Delete Product</th>

</tr>

<%

Object obj = session.getAttribute("products");

List<Product> list = (List<Product>) obj;

Iterator<Product> ii = list.iterator();

while (ii.hasNext()) {

Product p = ii.next();

%>

<tr>

<td><%=p.getPid()%> </td>

<td><%=p.getPname()%> </td>

<td><%=p.getPrice()%> </td>

<td><img src=<%=p.getUrl()%> width="100px" height="100px"/></td>

<td>

<form action="storeFeedback" method="post">

<input type="hidden" name="pid" value="<%=p.getPid()%>">

<textarea name="feedback" rows="3" cols="20" placeholder="Enter feedback"></textarea><br/>

<input type="submit" value="Submit Feedback"/>

</form>

</td>

<td>

<a href="deleteProduct?pid=<%=p.getPid()%>">

<img src="https://cdn-icons-png.flaticon.com/128/6861/6861362.png"

width="50px" height="50px"/>

</a>

</td>

</tr>

<%

}

%>

</table>

</body>

</html>