package product.dao;

import product.model.Product;

import product.util.DBUtil;

import java.sql.\*;

import java.util.\*;

import java.util.Date;

public class ProductDao {

private static List<Product> products;

private static int[] id = null;

private static String[] names = null;//对商品信息进行初始化。

private static Float[] prices = null;//对商品的价格初始化。

private static Date[] date = null;

static {

String sql = null;

sql = "select name,price,date from product";

try {

Connection conn = DBUtil.getConnection();

Statement statement = conn.createStatement(ResultSet.TYPE\_SCROLL\_SENSITIVE, ResultSet.CONCUR\_UPDATABLE);

ResultSet rs = statement.executeQuery(sql);

rs.last();

int max = rs.getRow();

id = new int[max];

names = new String[max];

prices = new Float[max];

date = new Date[max];

rs.first();

while (rs.next()) {

for (int i = 0; i < max; i++) {

// id[i] = rs.getInt("id");

names[i] = rs.getString("name");

prices[i] = rs.getFloat("price");

date[i] = rs.getDate("date");

products = new ArrayList<Product>();

// for (int i = 0; i < names.length; i++) {//循环输出商品的信息；

Product p = new Product();

p.setId(i+1);

p.setName(names[i]);

p.setPrices(prices[i]);

p.setDate(date[i]);

products.add(p);

}

}

rs.close();

conn.close();

} catch (Exception e) {

e.printStackTrace();

}

// products = new ArrayList<Product>();

// for (int i = 0; i < names.length; i++) {//循环输出商品的信息；

// Product p = new Product();

// p.setId(i+1);

// p.setName(names[i]);

// p.setPrices(prices[i]);

// p.setDate(date[i]);

// products.add(p);

// }

}

public List<Product> findAll() {// 得到所有产品

return products;

}

public Product findByName(String name) { // 根据名称(支持模糊查找)查找产品

for (Product p : products) {

if (name == p.getName()) {

return p;

}

}

return null;

}

public Product findById(int id) {// 根据id查找产品

for (Product p : products) {

if (id == p.getId()) {

return p;

}

}

return null;

}

public boolean insert(String name, String price, String date) {// 插入产品

String sql = null;

sql = "insert into product(name,price,date) values(?,?,?)";

try {

Connection conn = DBUtil.getConnection();

PreparedStatement statement = conn.prepareStatement(sql);

statement.setString(1, name);

statement.setFloat(2, Float.parseFloat(price));

statement.setDate(3, java.sql.Date.valueOf(date));

statement.execute();

} catch (Exception e) {

e.printStackTrace();

}

return true;

}

public boolean update(int id, String name, String price, String date) {// 修改产品

String sql = "update product set name = '" + name + "',price = '" + Float.parseFloat(price) + "',date = '" + java.sql.Date.valueOf(date) + "' where id = '" + id + "' ";

try {

Connection conn = DBUtil.getConnection();

PreparedStatement statement = conn.prepareStatement(sql);

statement.execute();

} catch (Exception e) {

e.printStackTrace();

}

return true;

}

public boolean delete(int id) {//删除产品

String sql = "delete from product where id = '" + id + "' ";

try {

Connection conn = DBUtil.getConnection();

PreparedStatement statement = conn.prepareStatement(sql);

statement.execute();

} catch (Exception e) {

e.printStackTrace();

}

return true;

}

}

package product.model;

import java.util.Date;

public class Product {

public Integer id;

public String name;

public Float prices;

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public Float getPrices() {

return prices;

}

public void setPrices(Float prices) {

this.prices = prices;

}

public Date getDate() {

return date;

}

public void setDate(Date date) {

this.date = date;

}

public Date date;

public Integer getId() {

return id;

}

public void setId(Integer id) {

this.id = id;

}

}

package product.servlet;

import product.dao.ProductDao;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.rmi.ServerException;

public class productServlet extends HttpServlet {

public void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServerException, IOException {

ProductDao productDao = new ProductDao();

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

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

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

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

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

if (action.equalsIgnoreCase("add")) {

productDao.insert(name, price, date);

resp.sendRedirect("product.jsp");

} else if (action.equalsIgnoreCase("findByName")) {

productDao.findByName(name);

resp.sendRedirect("product.jsp");

} else if (action.equalsIgnoreCase("findById")) {

productDao.findById(Integer.parseInt(id));

resp.sendRedirect("product.jsp");

} else if (action.equalsIgnoreCase("Update")) {

productDao.update(Integer.parseInt(id), name, price, date);

resp.sendRedirect("product.jsp");

} else if (action.equalsIgnoreCase("delete")) {

productDao.delete(Integer.parseInt(id));

resp.sendRedirect("product.jsp");

}

}

public void doPost(HttpServletRequest req, HttpServletResponse resp) throws ServerException, IOException {

this.doGet(req, resp);

}

}

package product.util;

import java.sql.Connection;

import java.sql.DriverManager;

public class DBUtil {

public static Connection getConnection() throws Exception{

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

return DriverManager.getConnection("jdbc:sqlserver://127.0.0.1:1401;database=ahpu","SA","1234qwer!");

}

}

<%--

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--%>

<%@ page import="product.model.Product" %>

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

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

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

<html>

<head>

<title>Product Page</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"/>

<link rel="stylesheet" href="https://cdn.staticfile.org/font-awesome/4.7.0/css/font-awesome.css">

</head>

<body class="container mt-3">

<div class="card boder-success"></div>

<div class="card-header bg-success">

<button class="btn btn-danger float-right" style="color: aqua"><a href="productAdd.jsp">添加产品</a></button>

<form action="productionServlet">

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

<input type="submit" class="button" value="查找">

</form>

</div>

<jsp:useBean id="productDao" class="product.dao.ProductDao" scope="application"></jsp:useBean>

<table class="table table-condensed">

<tr>

<td>ID</td>

<td>名称</td>

<td>单价</td>

<td>生产日期</td>

<td>操作</td>

</tr>

<%

List<Product> product1 = productDao.findAll();

for (Product p:product1) {

int id = p.getId();

String name = p.getName();

Float price = p.getPrices();

Date date = p.getDate();

%>

<div>

<tr>

<td><%=id%>

</td>

<td><%=name%>

</td>

<td><%=price%>

</td>

<td><%=date%>

</td>

<td><a href="productEdit.jsp?action=Update&id=<%=id%>&name=<%=name%>&price=<%=price%>&date=<%=date%>"

role="button">修改/</a>

<a href="productionServlet?action=delete&id=<%=id%>&name=<%=name%>&price=<%=price%>&date=<%=date%>"

role="button">删除</a>

</td>

</tr>

</div>

<%

}

%>

</body>

</html>

<%--

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--%>

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

<html>

<head>

<title>产品增加！！</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"/>

<link rel="stylesheet" href="https://cdn.staticfile.org/font-awesome/4.7.0/css/font-awesome.css">

</head>

<body class="container mt-3">

<form action="productionServlet" method="POST" target="\_blank">

<div class="card border-primary">

<div class="card-header bg-primary">添加产品</div>

<div class="card-body">

<div class="form-group">

<label>名称</label>

<input type="text" class="form-control" name="name" value=""/>

</div>

<div class="form-group">

<label>单价</label>

<input type="text" class="form-control" name="price" value=""/>

</div>

<div class="form-group">

<label>生产日期</label>

<input type="text" class="form-control" name="date" value=""/>

</div>

<div class="form-group">

<%--<label>生产日期</label>--%>

<input type="text" class="form-control" name="action" value="add"/>

</div>

</div>

<div class="card-footer">

<input type="submit" class="btn btn-primary float-right" value="添加"/>

<%--<a href="productionServlet?action=add&price=<%=request.getParameter("price")%>&name=<%=request.getParameter("name")%>&date=<%=request.getParameter("date")%>" class="btn btn-primary float-right" role="button">添加</a>--%>

</div>

</div>

<%--</form>--%>

</body>

</html>

<%--

Created by IntelliJ IDEA.

User: wangbowangbo

Date: 2019/5/20

Time: 14:40

To change this template use File | Settings | File Templates.

--%>

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

<html>

<head>

<title>产品编辑()</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"/>

<link rel="stylesheet" href="https://cdn.staticfile.org/font-awesome/4.7.0/css/font-awesome.css">

</head>

<jsp:useBean id="productDao" class="product.dao.ProductDao" scope="application"></jsp:useBean>

<body class="container mt-3">

<input type="hidden" name="isSubmit" value="whatever"/>

<div class="card border-primary">

<div class="card-header bg-primary">修改产品</div>

<div class="card-body">

<div class="form-group">

<label>名称</label>

<input type="text" class="form-control" name="name" value="<%=request.getParameter("name")%>"/>

</div>

<div class="form-group">

<label>单价</label>

<input class="form-control" name="price" value="<%=request.getParameter("price")%>"/>

</div>

<div class="form-group">

<label>生产日期</label>

<input class="form-control" name="date"value="<%=request.getParameter("date")%>"/>

</div>

</div>

<div class="card-footer">

<%--<input type="submit" class="btn btn-primary float-right" value="修改"/>--%>

<a href="productionServlet?action=Update" class="btn btn-primary float-right" role="button">修改</a>

</div>

</div>

</body>

</body>

</html>