import java.io.IOException;

import java.sql.Connection;

import java.sql.SQLException;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class CreateProductServlet

\*/

@WebServlet(urlPatterns = { "/createProduct" })

public class CreateProductServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

public CreateProductServlet() {

super();

}

// Show product creation page.

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

RequestDispatcher dispatcher = request.getServletContext()

.getRequestDispatcher("/WEB-INF/views/createProductView.jsp");

dispatcher.forward(request, response);

}

// When the user enters the product information, and click Submit.

// This method will be called.

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

Connection conn = MyUtils.getStoredConnection(request);

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

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

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

float price = 0;

try {

price = Float.parseFloat(priceStr);

} catch (Exception e) {

}

Product product = new Product(code, name, price);

String errorString = null;

// Product ID is the string literal [a-zA-Z\_0-9]

// with at least 1 character

String regex = "\\w+";

if (code == null || !code.matches(regex)) {

errorString = "Product Code invalid!";

}

if (errorString == null) {

try {

DBUtils.insertProduct(conn, product);

} catch (SQLException e) {

e.printStackTrace();

errorString = e.getMessage();

}

}

// Store infomation to request attribute, before forward to views.

request.setAttribute("errorString", errorString);

request.setAttribute("product", product);

// If error, forward to Edit page.

if (errorString != null) {

RequestDispatcher dispatcher = request.getServletContext()

.getRequestDispatcher("/WEB-INF/views/createProductView.jsp");

dispatcher.forward(request, response);

}

// If everything nice.

// Redirect to the product listing page.

else {

response.sendRedirect(request.getContextPath() + "/productList");

}

}

}