//code

//Products.java

**package** com.hiber.model;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table(name="Product")

**public** **class** Products {

@Id

@GeneratedValue

**private** **int** pid;

@Column(name="name")

**private** String pname;

**private** **float** price;

**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;

}

}

//HibernateConfig.java

**package** com.hiber.dbcon;

**import** java.util.Properties;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.boot.registry.StandardServiceRegistryBuilder;

**import** org.hibernate.cfg.Configuration;

**import** org.hibernate.cfg.Environment;

**import** org.hibernate.service.ServiceRegistry;

**import** com.hiber.model.Products;

**public** **class** HibernateConfig {

**private** **static** SessionFactory *sessionFactory*;

**public** **static** SessionFactory getSessionFactory() {

**if** (*sessionFactory* == **null**) {

**try** {

Configuration cfg = **new** Configuration();

Properties settings = **new** Properties();

settings.put(Environment.***DRIVER***, "com.mysql.cj.jdbc.Driver");

settings.put(Environment.***URL***, "jdbc:mysql://localhost:3306/ecommerce?useSSL=false");

settings.put(Environment.***USER***, "root");

settings.put(Environment.***PASS***, "Root");

settings.put(Environment.***DIALECT***, "org.hibernate.dialect.MySQL5Dialect");

settings.put(Environment.***SHOW\_SQL***, "true");

settings.put(Environment.***HBM2DDL\_AUTO***, "update");

cfg.setProperties(settings);

//settings.put(Environment.CURRENT\_SESSION\_CONTEXT\_CLASS, "thread");

cfg.addAnnotatedClass(Products.**class**);

ServiceRegistry serviceRegistry = **new** StandardServiceRegistryBuilder()

.applySettings(cfg.getProperties()).build();

System.***out***.println("Hibernate Java Config serviceRegistry created");

*sessionFactory* = (SessionFactory) cfg.buildSessionFactory(serviceRegistry);

}

**catch**(Exception e){

System.***out***.println(e);

}

}

**return** *sessionFactory*;

}

}

//ProOp.java

**package** com.hiber.service;

**import** java.io.Serializable;

**import** java.util.List;

**import** org.hibernate.~~Query~~;

**import** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.Transaction;

**import** com.hiber.dbcon.HibernateConfig;

**import** com.hiber.model.Products;

**public** **class** ProOp {

**private** SessionFactory sfactory = **null**;

**public** ProOp()

{

sfactory = HibernateConfig.*getSessionFactory*();

}

**public** String AddNewProduct(Products pro)

{

String result = "Error";

Session sObj = sfactory.openSession();

Transaction trns = sObj.beginTransaction();

Serializable s = sObj.save(pro);

trns.commit();

**if**(s!=**null**)

result = "Success";

**return** result;

}

**public** List<Products> ShowAll()

{

Session sObj = sfactory.openSession();

~~Query~~ qry = sObj.createQuery("from Products");

List<Products> pro1 = qry.~~list~~();

**return** pro1;

}

}

//prodPage.html

<!DOCTYPE html>

<html>

<head>

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

<title>Product Page</title>

</head>

<body>

<h1 style="text-align:*center*;width:*100%*"> Add Products </h1>

<form method=*"Post"* action=*"ProductServlet"*>

<p style="text-align:*center*;width:*100%*">

Product Name: <input type=*"text"* name=*"proName"* required/>

<br><br/>

Product Price: <input type=*"text"* name=*"proPrice"* required/>

<br><br/>

<input type=*"submit"* value=*"Click Here To Add Product"*/>

</body>

</html>

//ProductServlet.java

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.util.List;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** com.hiber.model.Products;

**import** com.hiber.service.ProOp;

/\*\*

\* Servlet implementation class ProductServlet

\*/

@WebServlet("/ProductServlet")

**public** **class** ProductServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** ProductServlet() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** service(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

String pname = request.getParameter("proName");

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

Products p = **new** Products();

ProOp po = **new** ProOp();

p.setPname(pname);

p.setPrice(Float.*parseFloat*(price));

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String res = po.AddNewProduct(p);

**if**(res.equals("Success")) {

out.print("<h2>Data Saved...</h2>");

out.print("<a href='ShowProServlet'> See Products</a>");

}

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

//response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

//ShowProServlet.java

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.util.List;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** com.hiber.model.Products;

**import** com.hiber.service.ProOp;

/\*\*

\* Servlet implementation class ShowProductServlet

\*/

@WebServlet("/ShowProductServlet")

**public** **class** ShowProServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** ShowProServlet() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** service(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

ProOp po = **new** ProOp();

List<Products> productList = po.ShowAll();

response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.println("<h1>Product List</h1>");

out.println("<table border='1' >");

out.println("<tr><th>Product ID</th><th>Product Name</th><th>Price</th></tr>");

**for** (Products product : productList) {

out.println("<tr>");

out.println("<td>" + product.getPid() + "</td>");

out.println("<td>" + product.getPname() + "</td>");

out.println("<td>" + product.getPrice() + "</td>");

out.println("</tr>");

}

out.println("</table>");

}

}