**Source Code**

**ProductMain**

**package com.example.main;**

**import org.hibernate.Session;**

**import org.hibernate.SessionFactory;**

**import org.hibernate.Transaction;**

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

**import com.example.pojo.Product;**

**public class ProductMain {**

**private SessionFactory sessionFactory;**

**public ProductMain() {**

**Configuration configuration = new Configuration();**

**configuration.configure("hibernate.cfg.xml");**

**sessionFactory = configuration.buildSessionFactory();**

**}**

**public void addProduct(Product product) {**

**Session session = sessionFactory.openSession();**

**Transaction transaction = session.beginTransaction();**

**session.save(product);**

**transaction.commit();**

**session.close();**

**}**

**}**

**Product class-**

**package com.example.pojo;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**@Entity**

**public class Product {**

**@Id**

**@GeneratedValue(strategy = GenerationType.IDENTITY)**

**private Long id;**

**private String name;**

**private double price;**

**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;**

**}**

**Servlet-**

**package com.example.servlet;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

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

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

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

**import com.example.main.ProductMain;**

**import com.example.pojo.Product;**

**public class AddProductServlet extends HttpServlet {**

**private ProductMain productMain;**

**@Override**

**public void init() throws ServletException {**

**productMain = new ProductMain();**

**}**

**@Override**

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

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

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

**if (name.isEmpty() || priceStr.isEmpty()) {**

**response.sendRedirect("add-product.jsp");**

**return;**

**}**

**double price = Double.parseDouble(priceStr);**

**Product product = new Product();**

**product.setName(name);**

**product.setPrice(price);**

**productMain.addProduct(product);**

**// Set request attributes for success page**

**request.setAttribute("name", name);**

**request.setAttribute("price", price);**

**// Forward to the success page**

**request.getRequestDispatcher("add-product-success.jsp").forward(request, response);**

**}**

**}**

**Hibernate.cfg.xml-**

**<?xml version=*"1.0"* encoding=*"UTF-8"*?>**

**<!DOCTYPE hibernate-configuration PUBLIC**

**"-//Hibernate/Hibernate Configuration DTD 3.0//EN"**

**"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">**

**<hibernate-configuration>**

**<session-factory>**

**<property name=*"hibernate.connection.driver\_class"*>com.mysql.jdbc.Driver</property>**

**<property name=*"hibernate.connection.password"*>Spidey@0987</property>**

**<property name=*"hibernate.connection.url"*>jdbc:mysql://localhost/product</property>**

**<property name=*"hibernate.connection.username"*>root</property>**

**<property name=*"hibernate.dialect"*>org.hibernate.dialect.MySQL8Dialect</property>**

**<!--hinernate config -->**

**<property name=*"hbm2ddl.auto"*>update</property>**

**<property name=*"show\_sql"*>true</property>**

**<!-- pojo -->**

**<mapping class=*"com.example.pojo.Product"* />**

**</session-factory>**

**</hibernate-configuration>**

**Add Product JSp-**

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

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

**<html>**

**<head>**

**<title>Add Product</title>**

**</head>**

**<body>**

**<h1>Add Product</h1>**

**<form action=*"AddProductServlet"* method=*"post"*>**

**<label>Name:</label>**

**<input type=*"text"* name=*"name"* required><br>**

**<label>Price:</label>**

**<input type=*"number"* name=*"price"* required><br>**

**<input type=*"submit"* value=*"Add"*>**

**</form>**

**</body>**

**</html>**

**Add Product Success-**

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

**<html>**

**<head>**

**<title>Add Product Success</title>**

**</head>**

**<body>**

**<h1>Product Added Successfully</h1>**

**<p>Name: ${name}</p>**

**<p>Price: ${price}</p>**

**</body>**

**</html>**