Source code

ProductStoreController.java

```java
package com.controller;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.bean.Product;
import com.service.ProductService;

/**
 * Servlet implementation class ProductStoreController
 */
public class ProductStoreController extends HttpServlet {
        private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public ProductStoreController() {
        super();
        // TODO Auto-generated constructor stub
    }

        /**
         * @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);
PrintWriter pw = response.getWriter();

                response.setContentType("text/html");

                int Id = Integer.parseInt(request.getParameter("Id"));
```

```
                String pname = request.getParameter("pname");
                float price =
Float.parseFloat(request.getParameter("price"));

                Product p = new Product();
                p.setId(Id);
                p.setPname(pname);
                p.setPrice(price);

                ProductService ps = new ProductService();

                String result = ps.storeProduct(p);

                pw.print(result);

                RequestDispatcher rd =
request.getRequestDispatcher("storeProduct.jsp");
                rd.include(request, response);


        }

}
```

storeProduct.jsp

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

   pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

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

Enter Product-Id<input type="text" name="Id">

Enter Product Name<input type="text" name="pname">

Enter product price<input type="text" name="price">

<input type="submit" name="click" value="Submit">

</form>

</body>

</html>

ProductService.java

```java
package com.service;

import com.bean.Product;
import com.dao.ProductDao;

public class ProductService {
ProductDao pd = new ProductDao();

        public String storeProduct(Product product) {

                if(product.getPrice()<100)
                {
                        return "Product price must be > 100";

                }else if(pd.storeProduct(product)>0) {
                        return "Product stored successfully";
                }else {
                        return "Product didn't store id must be unique";
                }

}
}
```

ProductDao.java

```java
package com.dao;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;

import com.bean.Product;

public class ProductDao {
```

```java
        public int storeProduct(Product product) {
                try {
                        Configuration con = new Configuration();
                        con.configure("hibernate.cfg.xml");
                        SessionFactory sf = con.buildSessionFactory();
                        Session session = sf.openSession();
                        Transaction tran = session.getTransaction();
                        tran.begin();
                        session.save(product);
                        tran.commit();
                        return 1;
                } catch (Exception e) {
                        System.out.println(e);
                        return 0;
                }
        }


}
```

Product.java

```java
package com.bean;

        import javax.persistence.Entity;
        import javax.persistence.Id;

        @Entity
        public class Product {
        @Id
        private int Id;
        private String pname;
        private float price;
        public int getId() {
                return Id;
        }
        public void setId(int Id) {
                this.Id = Id;
        }
        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;
        }
        @Override
        public String toString() {
```

```
                return "Product [Id=" + Id + ", pname=" + pname + ",
price=" + price + "]";
        }

        }
```

Index.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h2>Product Management System</h2>
<a href="storeProduct.jsp">ADD PRODUCT</a>
</body>
</html>
```