

## Product Details Portal.

### Index.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>
<div align="center">
    <h2>Insert Product</h2>
    <form action="ProductController" method="post">
        Product ID: <input type="text" name="productId"><br><br>
        Product Name: <input type="text" name="productName"><br><br>
        Category: <input type="text" name="productCategory"><br><br>
        Price: <input type="text" name="productPrice"><br><br>
        <input type="submit" value="Submit">
        <span class="error">${errors.notInt}</span>
        <span class="error">${errors.invalidCateg}</span>
        <span class="error">${errors.nullProdName}</span>
        <span class="error">${errors.nullPrice}</span>
    <%
        session.invalidate();
    %>
    </form>
</div>
</body>
```

</html>

## **Output.jsp**

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

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<title>Insert title here</title>
```

```
</head>
```

```
<body>
```

```
<div align="center">
```

```
    <h2>Product Display</h2>
```

```
    <table border=1 cellspacing=0 cellpadding=10>
```

```
    <tr>
```

```
        <th>Product ID</th><th>Product Name</th><th>Product
        Category</th><th>Product Price</th>
```

```
    </tr>
```

```
    <tr>
```

```
        <td><c:out value="${product.productId}"></c:out></td>
```

```
<td><c:out value="\${product.productName }"></c:out></td>
<td><c:out value="\${product.productCategory }"></c:out></td>
<td><c:out value="\${product.productPrice }"></c:out></td>

</tr>
</table>

<br>
<br>
<a href="index.jsp">Display more products</a>
</div>

</body>
</html>
```

## **Product.java**

```
package com.entity;
```

```
public class product {
    private int productId;
    private String productName;
    private String productCategory;
    private String productPrice;

    public product(int productId, String productName, String productCategory, String
productId)
    {
        this.productId = productId;
        this.productName = productName;
        this.productCategory = productCategory;
```

```
        this.productPrice = productPrice;
    }
```

```
public product() {
    super();
}
```

```
public int getProductId() {
    return productId;
}
```

```
public void setProductId(int productId) {
    this.productId = productId;
}
```

```
public String getProductName() {
    return productName;
}
```

```
public void setProductName(String productName) {
    this.productName = productName;
}
```

```
public String getProductCategory() {
    return productCategory;
}
```

```
public void setProductCategory(String productCategory) {
    this.productCategory = productCategory;
}
```

```
}
```

```
public String getProductPrice() {
```

```
    return productPrice;
```

```
}
```

```
public void setProductPrice(String productPrice) {
```

```
    this.productPrice = productPrice;
```

```
}
```

```
}
```

### **productController.java**

```
package com.servlet;
```

```
import java.io.IOException;
```

```
import java.util.HashMap;
```

```
import java.util.Map;
```

```
import java.util.regex.Pattern;
```

```
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 javax.servlet.http.HttpSession;
```

```
import org.apache.tomcat.util.file.Matcher;
```

```
import com.entity.product;
```

```
/**
 * Servlet implementation class ProductController
 */
@WebServlet("/ProductController")
public class ProductController extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public ProductController() {
        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
    Map<String, String> errors = new HashMap<String, String>();
    HttpSession session = request.getSession();
    String regex = "[a-zA-Z0-9]*";
    Pattern pattern = Pattern.compile(regex);
    java.util.regex.Matcher matcher =
pattern.matcher(request.getParameter("productCategory"));

    if(!matcher.matches()) {
        errors.put("invalidCateg", "Invalid category<br/>");
    }
    if(request.getParameter("productName").length() == 0) {
        errors.put("nullProdName", "Enter a product name<br/>");
    }
    if(request.getParameter("productPrice").length() == 0) {
        errors.put("nullPrice", "Enter Price<br/>");
    }
    try {
        Integer.parseInt(request.getParameter("productId"));
    }catch(NumberFormatException e) {
        errors.put("notInt", "<br/>Invalid product ID<br/>");
    }
    if(errors.isEmpty()) {

```

```
        product p1 = new
product(Integer.parseInt(request.getParameter("productId")),
        request.getParameter("productName"),
        request.getParameter("productCategory"),
request.getParameter("productPrice"));

        session.setAttribute("product", p1);
        response.sendRedirect("output.jsp");
    }else {
        session.setAttribute("errors", errors);
        response.sendRedirect("index.jsp");
    }

}

}
```