

Jsp page

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<div align="center">
<h2>Add a New Product</h2>
<form action="Product" method="post">
Enter ID: <input type="number" id="pid"
name="pid"
placeholder="Enter id here..."
required> <br /> <br />
Enter TYPE <input type="text" id="name"
name="name"
placeholder="Enter name here..."
required> <br /> <br />
Enter MODEL: <input type="text" id="color"
name="color"
placeholder="Enter color here..."
required> <br /> <br />
Enter NAME: <input type="text" id="price"
name="price"
placeholder="Enter number here..."
required> <br /> <br /> <input
type="submit" value="Submit">
</form>
</div>

</body>
</html>
```

Product

```
public class Product {
    private int pid;
    private String type;
    private String model;
    private String Name;
    public int getPid() {
        return pid;
    }
    public void setPid(int pid) {
        this.pid = pid;
    }
    public String getType() {
        return type;
    }
    public void setType(String type) {
        this.type = type;
    }
    public String getName() {
        return Name;
    }
}
```

```

    public void setName(String name) {
        Name = name;
    }
    public String getModel() {
        return model;
    }
    public void setModel(String model) {
        this.model = model;
    }
}

```

Add Product

```

import java.io.IOException;

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 AddProduct
 */
@WebServlet("/AddProduct")
public class AddProduct extends HttpServlet {

    private static final long serialVersionUID = 1L;

    private static final Product Product = null;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AddProduct() {
        super();
    }

```

```

// TODO Auto-generated constructor stub
}

/**
 * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)
 */
protected void service(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

    int pid =Integer.parseInt(request.getParameter("txtPid"));
    String type = request.getParameter("txttype");
    String model = request.getParameter("txtmodel");
    String name = request.getParameter("txtname");
    Product pro=new Product();
    pro.setPid(pid);
    pro.setType(type);
    pro.setModel(model);
    pro.setName(name);
    ProductOperation bop = new ProductOperation();
    bop.AddProduct(Product);
    response.setContentType("text/jsp");
    PrintWriter out = response.getWriter();
    out.print("<h2>Product Added....</h2>");
    request.getRequestDispatcher("index.jsp").include(request, response);

}

}

```

View Product

```
import java.io.IOException;

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 ViewProduct
 */
@WebServlet("/ViewProduct")
public class ViewProduct extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private static final Product[] Productall = null;

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

    /**
     * @see HttpServlet#service(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void service(HttpServletRequest request,
        HttpServletResponse response) throws ServletException, IOException {
        ProductOperation bop = new ProductOperation();
        List<Product> productall = bop.ViewAll();
        response.setContentType("text/jsp");
        PrintWriter out = response.getWriter();
        out.print("<table width='100%' border='1'>");
        out.print("<tr><th>Book Number</th><th>Book  
Name</th><th>Author</th></tr>");
        for(Product p: Productall)
        {
            out.print("<tr>");
            out.print("<td>" + p.getPid() + "</td>");
            out.print("<td>" + p.getType() + "</td>");
            out.print("<td>" + p.getModel() + "</td>");
            out.print("<td>" + p.getName() + "</td>");
            out.print("</tr>");
        }
        out.print("</table>");

    }
}
```

Xml page

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration SYSTEM
"http://www.hibernate.org/dtd/hibernate-configuration3.0.dtd">
<hibernate-configuration>
<session-factory>
<property
name="hibernate.dialect">org.hibernate.dialect.MySQL5Diale
ct </property>
<property
name="hibernate.connection.driver_class">com.mysql.cj.jdbc
.Driver </property>
<property
name="hibernate.connection.url">jdbc:mysql://localhost:330
6/mpphasis_db</property>
<property name="hibernate.connection.username">
root
</property>
<property name="hibernate.connection.password">
suvashree#1234
</property>
<property name="show_sql">true </property>
<property name="hbm2ddl.auto">update </property>
<mapping class="com.practice.Product"/>
</session-factory>
</hibernate-configuration>
```

Db connection

```
import org.hibernate.SessionFactory;
import org.hibernate.cfg.Configuration;
public class DbConnection {
public static SessionFactory getConnection()
{
Configuration cfg = new Configuration();
cfg.configure("hibernate.cfg.xml");
SessionFactory sf = cfg.buildSessionFactory();
return sf;
}
}
```