Component mapping Pom.xml:

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
<modelVersion>4.0.0</modelVersion>
<groupId>Component_Mapping</groupId>
<artifactId>Component_Mapping</artifactId>
<version>0.0.1-SNAPSHOT</version>
<packaging>war</packaging>
<build>
  <resources>
    <resource>
      <directory>src/main/java</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
  </resources>
  <plugins>
    <plugin>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.8.1</version>
      <configuration>
        <release>17</release>
      </configuration>
    </plugin>
    <plugin>
      <artifactId>maven-war-plugin</artifactId>
      <version>3.2.3</version>
      <configuration>
        <warSourceDirectory>WebContent</warSourceDirectory>
      </configuration>
    </plugin>
  </plugins>
</build>
<dependencies>
        <dependency>
                <groupId>org.hibernate</groupId>
                <artifactId>hibernate-core</artifactId>
                <version>5.6.5.Final</version>
        </dependency>

        <dependency>
                <groupId>mysql</groupId>
                <artifactId>mysql-connector-java</artifactId>
                <version>8.0.28</version>
        </dependency>
    </dependencies>
</project>
```

Hibernate col:

```java
package com.ecommerce;

import org.hibernate.SessionFactory;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
```

```java
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

public class HibernateUtil {

        private static final SessionFactory sessionFactory;

        static {
                try {
                        StandardServiceRegistry standardRegistry = new
StandardServiceRegistryBuilder()
                                        .configure("hibernate.cfg.xml").build();
                        Metadata metaData = new
MetadataSources(standardRegistry).getMetadataBuilder().build();
                        sessionFactory =
metaData.getSessionFactoryBuilder().build();
                } catch (Throwable th) {
                        throw new ExceptionInInitializerError(th);
                }
        }

        public static SessionFactory getSessionFactory() {
                return sessionFactory;
        }
}
```

Product col:

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

import javax.servlet.ServletConfig;
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.transaction.*;
import javax.xml.bind.*;

import java.io.Serializable;
import java.math.BigDecimal;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Collection;
import java.util.List;
import java.util.Map;
import java.util.Set;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;
import com.ecommerce.EProduct;
import com.ecommerce.HibernateUtil;
import com.ecommerce.ProductParts;


/**
```

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



    /**
 * @see HttpServlet#HttpServlet()
 */
    public ProductDetails() {
        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
                try {
                        SessionFactory factory =
HibernateUtil.getSessionFactory();

                        Session session = factory.openSession();



                        List<EProduct> list = session.createQuery("from
EProduct").list();

                         PrintWriter out = response.getWriter();
                         out.println("<html><body>");

                         out.println("<b>Component Mapping</b><br>");
                         for(EProduct p: list) {
                                out.println("ID: " + String.valueOf(p.getID()) +
", Name: " + p.getName() +
                                                        ", Price: " +
String.valueOf(p.getPrice()) + ", Date Added: " + p.getDateAdded().toString());
                                ProductParts parts = p.getParts();
                                out.println("Parts =" + parts.getCpu() + ", " +
parts.getHdd() + ", " + parts.getRam());
                                out.println("<hr>");
                        }

                        session.close();

                    out.println("</body></html>");


                } catch (Exception ex) {
                        throw ex;
                }

        }
```

```java
        /**
         * @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);
        }

}
```

Productparts:

```java
package com.ecommerce;

public class ProductParts {

        private String hdd;
        private String cpu;
        private String ram;

        public String getHdd() { return this.hdd;}
        public String getCpu() { return this.cpu;}
        public String getRam() { return this.ram;}

        public void setHdd(String value) { this.hdd= value;}
        public void setCpu(String value) { this.cpu= value;}
        public void setRam(String value) { this.ram= value;}

}
```