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Project Explorer ×

- ADD Product
- AddProduct1
- Authentication_master
- Authenticationmaster [boot]
- CookieTrackingDemo
- Crudwithservlet
- FilterDemo
- FirstServlet
- HibernateAnnotations
- HibernateAssistedProject
  - Deployment Descriptor: HibernateAssistedProject
  - Java Resources
    - src/main/java
      - (default package)
        - InitHibernate.java
      - com.ecommerce
        - HibernateUtil.java
      - hibernate.cfg.xml
    - Libraries
  - build
  - src
- hibernatecon
  - Referenced Libraries
  - Deployment Descriptor: hibernatecon
  - Java Resources
    - src/main/java
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        - ListProducts.java
      - com.ecommerce
        - EProduct.java

Tabs: HobbyReposi... | HobbyServic... | HibernateUt... | *web.xml | *ListProduc... | EProduct.java | *HibernateU... | *InitHibern... ×

```java
1  import java.io.IOException;
2  import java.io.PrintWriter;
3
4  import javax.servlet.ServletException;
5  import javax.servlet.annotation.WebServlet;
6  import javax.servlet.http.HttpServlet;
7  import javax.servlet.http.HttpServletRequest;
8  import javax.servlet.http.HttpServletResponse;
9
10 import org.hibernate.Session;
11 import org.hibernate.SessionFactory;
12
13 import com.ecommerce.HibernateUtil;
14 /**
15  * Servlet implementation class InitHibernate
16  */
17 @WebServlet("/InitHibernate")
18 public class InitHibernate extends HttpServlet {
19     private static final long serialVersionUID = 1L;
20
21     /**
22      * @see HttpServlet#HttpServlet()
23      */
24     public InitHibernate() {
25         super();
26         // TODO Auto-generated constructor stub
27     }
28
29     /**
30      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
31      */
32     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
33         // TODO Auto-generated method stub
34         try {
35             PrintWriter out = response.getWriter();
36             out.println("<html><body>");
37
38             SessionFactory factory = HibernateUtil.getSessionFactory();
39
40             Session session = factory.openSession();
41             out.println("Hibernate Session opened.<br>");
42             session.close();
43             out.println("Hibernate Session closed.<br>");
```

Writable   Smart Insert   1 : 1 : 0

Project Explorer (left panel):

```
> Java Resources
  v src/main/java
    v (default package)
      > InitHibernate.java
    v com.ecommerce
      > HibernateUtil.java
    > hibernate.cfg.xml
  > Libraries
> build
> src
v hibernatecon
  > Referenced Libraries
  > Deployment Descriptor: hibernatecon
  v Java Resources
    v src/main/java
      v (default package)
        > ListProducts.java
      v com.ecommerce
        > EProduct.java
```

Code editor (right panel):

```java
34          try {
35              PrintWriter out = response.getWriter();
36              out.println("<html><body>");
37
38              SessionFactory factory = HibernateUtil.getSessionFactory();
39
40              Session session = factory.openSession();
41              out.println("Hibernate Session opened.<br>");
42              session.close();
43              out.println("Hibernate Session closed.<br>");
44              out.println("</body></html>");
45
46
47          } catch (Exception ex) {
48                  throw ex;
49          }
50      }
51
52      /**
53       * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
54       */
55      protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
56          // TODO Auto-generated method stub
57          doGet(request, response);
58      }
59
60  }
61
```

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      > hibernate.cfg.xml
    > Libraries

HobbyServic... | HibernateUt... | *web.xml | *ListProduc... | EProduct.java | *HibernateU... | *InitHibern... | HibernateUt... ×

```java
1 package com.ecommerce;
2
3 import org.hibernate.SessionFactory;
8
9 public class HibernateUtil {
10     private static final SessionFactory sessionFactory;
11
12     static {
13             try {
14                     StandardServiceRegistry standardRegistry = new StandardServiceRegistryBuilder()
15                                     .configure("hibernate.cfg.xml").build();
16                     Metadata metaData = new MetadataSources(standardRegistry).getMetadataBuilder().build();
17                     sessionFactory = metaData.getSessionFactoryBuilder().build();
18             } catch (Throwable th) {
19                     throw new ExceptionInInitializerError(th);
20             }
21     }
22
23     public static SessionFactory getSessionFactory() {
24             return sessionFactory;
25     }
26 }
27
```