

## Assisted Project 3: Configure Hibernate using Annotations in Eclipse IDE.

Index.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Hibernate Annotation Example</title>
</head>
<body>
<a href="list">List Products</a><br>
</body>
</html>
```

Products.java:

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

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

```

### HibernateUtil.java:

```

package com.simpli;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import com.mysql.cj.xdevapi.SessionFactory;
public class HibernateUtil {
private static final org.hibernate.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 org.hibernate.SessionFactory getSessionFactory() {
return sessionFactory;
}
}

```

