Assisted Project 1:

Index.html:

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd" id="WebApp\_ID" version="3.1">

<display-name>phasehibernatedemo</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

</web-app>

Hibernate.cfg.xml:

<?xml version='1.0' encoding='utf-8'?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<!-- Database connection settings -->

<property name="connection.driver\_class">com.mysql.cj.jdbc.Driver</property>

<property name="connection.url">jdbc:mysql://localhost:3306/ecommerce</property>

<property name="connection.username">root</property>

<property name="connection.password">Vamsi@12345</property>

</session-factory>

</hibernate-configuration>

InitDemo.java:

package com.simpli;

import java.io.IOException;

import java.io.PrintWriter;

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 org.hibernate.Session;

import org.hibernate.SessionFactory;

@WebServlet("/init")

public class InitDemo extends HttpServlet {

​private static final long serialVersionUID = 1L;

​protected void doGet(HttpServletRequest request, HttpServletResponse response)

​​​throws ServletException, IOException {

​​PrintWriter out = response.getWriter();

​​out.println("<html><body>");

​​// STEP 1: Get a Session (connection) from the Session Factory class

​​SessionFactory factory = HibernateUtil.getSessionFactory();

​​Session session = factory.openSession();

​​out.println("Hibernate Session opened.<br>");

​​session.close();

​​out.println("Hibernate Session closed.<br>");

​​// STEP 2 execute the HQL commands

​​// for now we will only test if the connection is establised with MySQL server.

​​out.println("</body></html>");

​}

}

HibernateUtil.Java:

package com.simpli;

import org.hibernate.SessionFactory;

import org.hibernate.boot.\*;

import org.hibernate.boot.registry.\*;

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;

​}

}