Assisted project4:

Index.html:

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Hibernate Configuration Example</title>

</head>

<body>

<a href="init">Initialize Hibernate</a><br>

</body>

</html>

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.jdbc.Driver</property>

<property

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

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

<property name="connection.password">#Vamsi123</property>

</session-factory>

</hibernate-configuration>

Log4j.properties:

log4j.appender.file=org.apache.log4j.RollingFileAppender

log4j.appender.file.File=/home/oem/Downloads/hibernate.log

log4j.appender.file.MaxFileSize=1MB

log4j.appender.file.MaxBackupIndex=1

log4j.appender.file.layout=org.apache.log4j.PatternLayout

log4j.appender.file.layout.ConversionPattern=%d{ABSOLUTE} %5p %c{1}:%L -

%m%n

# Direct log messages to stdout

log4j.appender.stdout=org.apache.log4j.ConsoleAppender

log4j.appender.stdout.Target=System.out

log4j.appender.stdout.layout=org.apache.log4j.PatternLayout

log4j.appender.stdout.layout.ConversionPattern=%d{ABSOLUTE} %5p %c{1}:%L -

%m%n

# Root logger option

log4j.rootLogger=INFO, file, stdout

# Log everything. Good for troubleshooting

log4j.logger.org.hibernate=INFO

# Log all JDBC parameters

log4j.logger.org.hibernate.type=ALL

HibernateUtil.java:

package com.ecommerce;

import org.hibernate.SessionFactory;

import org.hibernate.boot.Metadata;

import org.hibernate.boot.MetadataSources;

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;

}}

InitHibernate.java:

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;

import com.ecommerce.HibernateUtil;

/\*\*

\* Servlet implementation class InitHibernate

\*/

@WebServlet("/init")

public class InitHibernate extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public InitHibernate() {

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 {

PrintWriter out = response.getWriter();

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

SessionFactory factory =

HibernateUtil.getSessionFactory();

Session session = factory.openSession();

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

session.close();

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

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

} catch (Exception ex) {

throw ex;

}

}

/\*\*

\* @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);

}

}