Configure Hibernate using XML in Eclipse IDE.

Person.java class

package com.hibernate.entities;

public class Person {

private int bno;

private String bname ;

private String author;

public int getBno() {

return bno;

}

public void setBno(int bno) {

this.bno = bno;

}

public String getBname() {

return bname;

}

public void setBname(String bname) {

this.bname = bname;

}

public String getAuthor() {

return author;

}

public void setAuthor(String author) {

this.author = author;

}

}

Person.hbm.xml page

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

<!**DOCTYPE** hibernate-mapping PUBLIC

"-//Hibernate/Hibernate Mapping DTD 3.0//EN" " http://www.hibernate.org/dtd/hibernate-mapping-3.0.dtd">

<**hibernate-mapping**>

<**class** name=*"com.hibernate.entities.Person"* table=*"personinfo"*>

<**id** name=*"bno"*>

<**generator** class=*"increment"*></**generator**>

<!-- Primary key -->

</**id**>

<**property** name=*"bname"*/>

<**property** name=*"author"*/>

</**class**>

</**hibernate-mapping**>

hibernate.cfg.xml

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

<!**DOCTYPE** hibernate-configuration SYSTEM " http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<**hibernate-configuration**>

<**session-factory**>

<**property** name=*"hibernate.dialect"*> org.hibernate.dialect.MySQL5Dialect</**property**>

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

<**property** name=*"hibernate.connection.url"*> jdbc:mysql://localhost:3306/hbm</**property**>

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

<**property** name=*"hibernate.connection.password"*> sonikaSHETTY#17 </**property**>

<**property** name=*"show\_sql"*> true </**property**>

<**property** name=*"hbm2ddl.auto"*> update </**property**>

<**mapping** resource=*"Person.hbm.xml"*/>

</**session-factory**>

</**hibernate-configuration**>

DbConnection Class

package com.connection;

import org.hibernate.SessionFactory;

import org.hibernate.cfg.Configuration;

public class Dbconnection {

public static SessionFactory getConnection()

{

Configuration cfg = new Configuration();

cfg.configure("hibernate.cfg.xml");

SessionFactory sf = cfg.buildSessionFactory();

return sf;

}

}

Operation.java class

package com.operations;

import java.util.List;

import javax.persistence.TypedQuery;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import com.hibernate.entities.Person;

import com.connection.Dbconnection;

public class operations {

private SessionFactory sfact = null;

public operations()

{

sfact = Dbconnection.getConnection();

}

public void index(Person book)

{

Session session = sfact.openSession();

Transaction trans = session.beginTransaction();

session.save(book);

trans.commit();

session.close();

}

}

index.html page

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<h1 style ="text-align: center;width: 100%;">

ADD NEW PRODUCT

</h1>

<form method = "post" action="index">

<table width ="50%" border="1">

<tr>

<td>pname</td>

<td>

<input type = "text" name ="bname"/>

</td>

</tr>

<tr>

<td>pdetails</td>

<td>

<input type = "text" name ="author"/>

</td>

</tr>

<tr>

<td>

<input type ="submit" value ="Add Product"/>

</td>

<td>

<input type = "reset" name ="Clear Form"/>

</td>

</tr>

</table>

</form>

</body>

</html>

Index.java servlet

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 com.operations.operations;

import com.hibernate.entities.Person;

/\*\*

\* Servlet implementation class index

\*/

*@WebServlet*("/index")

public class index extends HttpServlet {

private static final long ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

public index() {

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());

String bname = request.getParameter("bname");

String author = request.getParameter("author");

Person book = new Person();

book.setBname(bname);

book.setAuthor(author);

operations bop = new operations();

bop.index(book);

response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.print("<h2>PRODUCT Added....</h2>");

request.getRequestDispatcher("NewBooks.html").include(request, response);

}

/\*\*

\* **@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);

}

}