Another Example Program (Book)

Create class Book.java

**import** java.io.\*;

**public** **class** Book **implements** Serializable{

**public** **int** bno;

**public** String bname;

**public** **int** price;

**public** Book(**int** bno,String bname,**int** price)

{

**this**.bno=bno;

**this**.bname=bname;

**this**.price=price;

}

}

Create Remote interface BookBeanRemote.java

**import** java.util.List;

**import** javax.ejb.Remote;

@Remote

**public** **interface** BookBeanRemote {

**public** **void** addBook(Book b);

**public** List listBooks();

}

Create bean class BookBean.java

**import** java.util.ArrayList;

**import** java.util.List;

**import** javax.ejb.Stateless;

**import** java.util.\*;

@Stateless

**public** **class** BookBean **implements** BookBeanRemote{

List<Book> books;

**public** BookBean()

{

books = **new** ArrayList<Book>();

}

@Override

**public** **void** addBook(Book b) {

books.add(b);

}

@Override

**public** List listBooks() {

**return** books;

}

}

Deploy the EJB Project in JBOSS (rt. click run on server)

**Test Application for Book**

Create dynamic web project “BookBeanTest”

Copy Book.java and BookBeanRemote.java of EJB project into the src folder

Create Book.html

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"/BookBeanTest/BookTest"*>

Book No:<input type=*"text"* name=*"bno"*/>

Book Name:<input type=*"text"* name=*"bname"*/>

Price:<input type=*"text"* name=*"price"*/>

<input type=*"submit"* value=*"Add Book"* name=*"add"*/>

<input type=*"submit"* value=*"List Books"* name=*"list"*/>

</form>

</body>

</html>

Create a Servlet “BookTest.java”

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.naming.InitialContext;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class BookTest extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

try

{

PrintWriter out = response.getWriter();

String s1 = request.getParameter("add");

String s2 = request.getParameter("list");

InitialContext ctx = new InitialContext();

BookBeanRemote remote = (BookBeanRemote)ctx.lookup("BookBean/remote");

if (s1!=null)

{

int bno = Integer.parseInt(request.getParameter("bno"));

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

int price = Integer.parseInt(request.getParameter("price"));

Book b = new Book(bno,bname,price);

remote.addBook(b);

response.sendRedirect("/BookBeanTest/Book.html");

}

if (s2!=null)

{

List<Book> books = remote.listBooks();

out.println("<table border>");

out.println("<tr><th>Book No</th><th>Book Name</th><th>Price</th></tr>");

for(Book b : books)

out.println("<tr><td>"+b.bno+"</td>"+"<td>"+b.bname+"</td>"+"<td>"+b.price+"</td></tr>");

out.println("</table>");

}

}catch(Exception e)

{

e.printStackTrace();

}

}

}

Right click on Book.html and run on server.