Extra Lab 1: Introduction to JBoss Developer Studio

In this lab, you will use the JBoss Developer Studio to write a minimal Hibernate program.

Objectives:

- To become familiar with JBoss Developer Studio

Part 1: Getting Started

Steps:

_1. You will do this lab in the JBoss Developer Studio, but to save some work, first export the Hibernate user library you created in Eclipse:

   a. In Eclipse, from the menu, choose *Window - Preferences - Java - Build Path - User Libraries*.

   b. Click on the Hibernate library to select it, then click the Export button.

      Press the Browse button and save the library in your StudentWork directory with the name **hibuserlib.userlibraries**.

_2. From the Windows Start menu, choose *JBoss Developer Studio 7 - JBoss Developer Studio 7.0.0 GA.*

   When prompted for a workspace location, browse to your StudentWork directory and press OK, then type **workspace-extra** at the end of the path (we want to use a different workspace folder than the Eclipse-based labs use).

   When prompted to choose a runtime, ensure that the *jboss-as-7.1.1.Final* entry is selected, then press OK. You can close the Welcome tab and the JBoss Central tab.

_3. In JBoss Developer Studio, from the menu, choose *Window - Preferences - Java - Build Path - User Libraries*, then click the Import button and import the *hibuserlib.userlibraries* file you exported in an earlier step.

_4. Switch to the Java perspective.

_5. As you did in Lab01.1, create a new Java project named **ExtraLab1** specifying the Hibernate user library.

_6. Create the Hibernate configuration file:

   a. Right-click on the new project and choose *New - Other - Hibernate Hibernate Configuration File (cfg.xml)*, then press Next.

   b. On the next page, note the default file name, then press Next.

   c. On the next page, fill in the following values, using defaults for all others:

```
Database dialect:     Derby
Driver class:         org.apache.derby.jdbc.ClientDriver
Connection URL:       jdbc:derby://localhost:1527/JavaTunesDB
Username:             guest
Password:             password
```

      Press Finish.

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d. The Dev Studio opens the new file into an editor. Press the Source tab at the bottom of the editor and ensure you understand it.

_7. Right-click on the project and choose *New* - *Class*.

For the *Package*, enter **test**.

For the *Name*, enter **TestHibernate**.

Put a checkmark on the *public static void main(String[] args)* button, then press Finish.

_8. Back in Eclipse (not the Developer Studio), edit TestHibernate and highlight all of the lines in *main*, including the exception handling, the press Ctrl+C to copy it to the clipboard.

In the Developer Studio, paste the code into the *main* method in the class you just created.

From the Developer Studio's menu, choose *Source* - *Organize Imports* and import the following:

```
import org.hibernate.HibernateException;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.cfg.Configuration;
```

_9. In the Package Explorer, right-click on *TestHibernate.java* and choose *Run As* - *Java Application*.

You should see the same output you saw when you ran the program in Eclipse.

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