

## Installing Duke's Bank in SIT labs

To make things easy, we will be using the tools in Netbeans. Installed on the labs PCs is NetBeans 5.5. Your friendly tutor may or may not come to your aid if you choose the path of the painful Windows command prompt.

For easy editing of XML files, you may like to try

<http://www.cs.usyd.edu.au/~whwong/ess/Sc177.exe>

### Setup

- 1) Download <http://www.cs.usyd.edu.au/~whwong/ess/tute1/dukesbank.zip> and unzip it to U:\dukesbank
- 2) Download <http://www.cs.usyd.edu.au/~whwong/ess/tute1/bp-project.zip> and unzip it to U:\bp-project
- 3) Open Netbeans.
- 4) Go to File → Open Project
- 5) Select the folder you used in Step 1.
- 6) You should now see the **dukesbank** project.

### Create Domain

- 1) In the toolbar, go to Tools→Server Manager
- 2) Click on **Add Server**
- 3) Change name to **ess**.
- 4) Select **Create Personal Domain**.
- 5) Set **Domain Folder** to U:\ess .
- 6) Set Admin username and password – admin: adminadmin
- 7) Change **Admin Port** to **1234** and **HTTP Port** to **3192**
- 8) NetBeans will now create your domain.
- 9) In the same panel as **Projects**, click on the **Runtime** tab.
- 10) Go to Servers → ess. Right click and start your server. Wait.
- 11) Try connecting to <http://localhost:3192>.
- 12) Try logging in to your Admin Console @ <http://localhost:1234>.
- 13) Ask for help if the connections fail.

### Create JavaDB database

- 1) Create a new folder **U:\ess\lib\databases\mydb**
- 2) In the toolbar, go to Tools → Options. Click on the **Advanced Options** button.
- 3) Go to IDE Configuration → Server and External Tool Settings → Java DB Database. Change the **Database Location** to **U:\ess\lib\databases\mydb**
- 4) Go to Tools→ JavaDB→Create Java DB Database.

Database name: **mydb** user: **APP** password: **APP**

- 5) In the **Runtime** panel, go to **Databases**. Look for **mydb**, right-click and connect to your DB. You should see **Tables** appear. Ask for help otherwise.
- 6) In the toolbar, go to File → Open File. Choose **U:\dukesbank\sql\tutorial.sql** . Choose **mydb** as your connection and run the SQL script.
- 7) You should now see a list of **Tables** in the **Runtime** panel (a refresh may be necessary).
- 8) Ask for help if you are stuck.

## Create Users

- 1) Login to your Admin Console @ <http://localhost:1234>
- 2) In the **Common Tasks** panel, go to Configuration → Security → Realms → file
- 3) Click on the **Manage Users** button and add the following

User	Password	Group
200	javaee	bankCustomer
bankadmin	javaee	bankAdmin

- 4) Ask for help if you are stuck.

## Deploy and Run

- 1) In the Projects panel, right click on **dukesbank** and select Properties.
- 2) Under Run, change your Server to **ess**.
- 3) In the toolbar, go to Run → Run Main Project
- 4) When NetBeans says the deployment is done, visit <http://localhost:3192/bank/main.faces>
- 5) Login as 200:javaee
- 6) You should see....absolutely nothing!
- 7) Sit back and listen to your friendly tutor rant about the pain of JavaEE.
- 8) Login to your Admin Console.
- 9) In the **Common Tasks** panel, go to Resources → JDBC → Connection Pools → DerbyPool
- 10) At the bottom of **Properties**, change **DatabaseName** to **mydb**.
- 11) Try step 12 first. You may skip this step if the appserver has detected the change.

In the Common Tasks panel, go to Applications → Enterprise Applications. Disable and re-enable the **dukesbank** application.

- 12) Visit <http://localhost:3192/bank/main.faces> and login again.
- 13) You should get a more interesting page now.