Configuration

Database: derby-10.11.1.1
Java IDE: Eclipse Neon.1a Release (4.6.1)

Login details

Username: test
Password: test

Console Launcher

1. **UpdateID**: gives the user the ability to modify an entry previously added in the terminal. This function calls the FindID function that I defined in the *JDBCIdentityDAO.java file*. After finding the ID, UpdateID prompts the user to edit all the entries.

2. **DeleteID:** Same as UpdateID, DeleteID makes use of the FindID function, finds the last name added then proceeds to delete the entry.

3. **Authentication:** So I created a CREDENTIALS table and added a couple of logins and password (first one is test/test, second one is jad/123), and this authentication function calls a defined authenticate from *JDBCIdentityDAO.java* that checks the inputs from the user and compares to the entries from the database; if those two are correct, user can now proceed to add, modify, delete or list all the users.
(Was trying to hash the password in the table but couldn't get it to work without running into errors)

JDBCIdentityDAO.java

1. **FindID:** Contains the pstmt_update statement which links to the database. When we search for the user in the update feature, FindID finds the user based on his name (user input) then updates the display name & email depending on what the user wants to change.

2. **Authenticate:** This function selects the username and password from the database and compares it to the username and password added by the user. If those two are correct, user gets access to the console functions.