

**Department of Computer Science and Engineering**  
**University of Notre Dame**  
**CSE 498G/598G - Advanced Databases**  
**Spring 2005**

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**Assignment 4**

**Purpose:**

In this assignment, you will write java programs to provide an interface to the package that you have created in assignment 2.

**Preliminary work:**

By now you should have a script that fully rebuilds your database by calling sql files that create tables and control files that populate them, and with all the constraints that you added in assignment 3.

Make sure that you update/set your environment variables in your `.cshrc` file for *jdbc*:

```
setenv LD_LIBRARY_PATH $ORACLE_HOME/jdbc/lib:$LD_LIBRARY_PATH
setenv CLASSPATH .:$ORACLE_HOME/jdbc/lib/classes12.zip
```

(on *orchestra*, `$ORACLE_HOME` should already be set to `/orasoft/9i/` )

Note that if you already have a `CLASSPATH`, the second line should instead be:

```
setenv CLASSPATH .:$ORACLE_HOME/jdbc/lib/classes12.zip:$CLASSPATH
```

(if you have a compatibility problem with `classes12.zip`, you may  
use `classes111.zip` instead)

**Problem:**

Your job is basically to provide a text interface to a user who needs to extract information from the database. The user will be faced with a menu, and will be directed to a list of options, followed by sub-menus, etc. The program must be written in java. Each task that is performed must be a call to a function or procedure from the package, so feel free to modify your package from assignment 2 so as to provide any added features.

**Due Date:**

Wednesday 4 / 6 / 05, at midnight. You may do this work in groups of up to three. Place your files in your personal dropbox, under a `hw4` subdirectory.