CS448 PSO

WEEK 5

CS448 staff

Project demonstration

How to download the Files:

- You can download a "stripped" module containing only the code files you need from within Brightspace (see module "Project1" under content)
  - There is a (much) larger file with some additional data at: http://www.cs.bc.edu/~sciore/simpledb/SimpleDB_3.3.zip

- You only need to care about simpledb and simpleclient folders

- You need to edit code in the file Buffer.java or BufferMgr.java which can be found in the simpledb folder.

- We highly recommend you use eclipse for this project. There will be an environment setup video available on Brightspace for eclipse.

Installation instructions

▶ First download the source file SimpleDB_3.3 from Brightspace.

▶ Connect to the lab machines if you want to work there. You can see how to connect to the lap machines remotely in the video demonstration.

▶ Create a new project and call it 'SimpleDBEngine'. Create another project and call it 'SimpleDB Client'. Make sure to not create modules. If you create modules, then delete them.

▶ Then copy the simpledb folder from SimpleDB_3.3 to the src folder of SimpleDBEngine of the project. Make sure to copy the whole folder in the src. Do the same for SimpleDBclient.

▶ Finally, refresh the project from Eclipse, using the refresh command in the File menu or if you are using a different IDE refresh the page.

Installation instructions(2)

▶ Then open eclipse. Your SimpleDBEngine should not have errors. If you are getting errors, follow the video. Your SimpleDBClient will have errors. Right click SimpleDBClients, click on properties and then go to JavaBuild Path. Click on Projects->Classpath->Add and then select SimpleDBEngine. After that you might want to refresh.

▶ All the errors should go away. If not, then refer the video. Make sure you do not have a module and do not change the names of files.

▶ You are all set. You can start coding!!

▶ The next slides explains how to populate the database. You need to populate the database before testing your code.

Running Some examples and testing

- Before testing your code, you need to populate the database.

- Some examples are provided in simpledb clients folder. I have used simpleIJ.java which can be found in the simpleclients folder.

- After running simpleIJ.java, a console/terminal will open up.

- You need to type jdbc:simpledb:xyz", where xyz is the name of the database. The database will be created if it does not exist, in the current directory of the client program.

- Or you can just use CreateStudentDB.java in simpleclient/embedded.

Questions

- You can contact Faisal Vora (voraf@purdue.edu) if you have questions about the Project.