

Database Systems

Project Phase 1 Submission

Deadline: 27th January 2014, 7 pm.

Upload format for the assignment is as follows:

1. Create a folder by the name of your roll number.
2. Place all your code in this folder. DBSystem should be placed in this folder. Other classes may follow different hierarchies.
3. Write a shell script: run.sh which will compile all your classes.
4. Create a zip file Phase_1.tar.gz of this folder and upload.

Instructions to be followed while executing the test cases:

1. Place the countries.csv and config.txt at /tmp/.
2. Place run.sh, outputfinal and Tester.class/Tester.o in the same folder as DBSystem.java/DBSystem.cpp.
3. Compile all your code before running the corresponding run.sh.

For CPP:

A template for DBSystem.h has been attached. You need to include this DBSystem.h in your DBSystem.cpp and implement the necessary functions.

Some additional points:

1. For record length, you can consider 1 character = 1 byte.
2. You have to handle the scenario where a record does not fit into the current page and hence needs to be loaded on the next page (unspanned file organisation).
3. Config file name is given as a parameter to readConfig() method. You can assume it is absolute path of the file.