**CSCI3170 (2023-2024 1st term)**

**Introduction to Database Systems**

**Project Demonstration**

**Phase 2 Deadline:** 23:59 1st December 2023

**For enquiry:** fcui22@cse.cuhk.edu.hk

1. **Instructions**

For project phase 2, each group is expected to submit the java code, a demonstration video, together with a README file. Please compress them in a compressed file named after your group number. For example, the file name of Group0’s submission should be “Group0.zip”. The deadline for submission is 23:59 1st December 2023. Please note the late submission policy will be applied, the detail of which can be found on Blackboard.

Before submitting, please make sure that:

* The code is runnable. We will test your code on CSE servers with the given jar file.
* The video contains all the marking points instructed below in this file.
* The README file contains the names and student numbers of all group members.

Please record a video following the instructions given in the next chapter. We will grade you based on the demonstration video. If the output (excluding extraneous prompts) of your code is different from the expected result, certain points will be deducted. Full mark for project phase 2 is 80%.

1. **Video Recording**

Before recording, first upload the *demo\_data* folder to CSE servers, the demonstration will use this folder instead of the *sample\_data* folder. Please also remember to drop all existing tables beforehand. After that, follow the instructions below to record the demonstration video (do not exit the system during the process):

* Administrator test (20%)
  + Main menu -> 1 -> 1 (Create all tables)
  + Main menu -> 1 -> 2 (Delete all tables)
  + Main menu -> 1 -> 1 (Create all tables)
  + Main menu -> 1 -> 3 -> *demo\_data* (Load contents from *demo\_data*)
  + Main menu -> 1 -> 4 -> *part* (Show contents the table *part*)
* Salesperson test (30%)
  + Main menu -> 2 -> 1 -> 1 -> *Flex 15 Core I5* -> 1 (Search for parts with name *Flex 15 Core I5* and list them in ascending order of price)
  + Main menu -> 2 -> 1 -> 2 -> *AMD* -> 2 (Search for parts manufactured by *AMD* and list them in descending order of price)
  + Main menu -> 2 -> 2 -> 31 -> 4 (The salesperson with ID 4 sells a part with ID 31) (We expect your system to print out the remaining quality after the transaction)
  + Main menu -> 2 -> 2 -> 36 -> 2 (Sell a non-existing part with ID 36) (We expect your system to provide error prompts indicating that the part is unavailable)
* Manager test (30%)
  + Main menu -> 3 -> 1 -> 2 (List all salespersons in descending order of year of experiences)
  + Main menu -> 3 -> 2 -> 2 -> 4 (Count the number of transactions of each salesperson with year of experiences between 2 and 4)
  + Main menu -> 3 -> 3 (Sort and list manufacturers in descending order of total sales value)
  + Main menu -> 3 -> 4 -> 10 (Show 10 most popular parts in descending order of total number of transactions)