**COMP2432 – Group Project Demonstration**

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| *Group Number* | *Group Members:* |
| 12 | Lam Chi Yuen 19052423d  Sham Wing Chung 19050208d  Lam Kwan Lok 19051723d  Wong Tsz Fung 19059855d |

Please complete the following tasks:

Task 1

Take a video of your demonstration. The video should be no longer than five minutes and name it as "Video\_**G00**.mp4" (where **G00** is your group number and "mp4" format is recommended).

Connect to department’s server (apollo or apollo2). Create a directory and name it with your **group number**. The folder is used to store related materials of the project and the demonstration. It is then zipped and uploaded to the Blackboard after the demonstration. Download the source code file(s) from the Blackboard and save it to your **group folder**.

(Note: If the size of the video is too large, you must send us a valid link to download it.)

Task 2:

Compile your source code file(s) and name the binary file as "**RBMG00**" where "**G00**" is your group number. Start the application and execute the following:

1. ./**RBMG00**
2. addMeeting –tenant\_A 2021-05-10 09:00 2.0 8;
3. endProgram;
4. Capture the screen of the execution and paste the picture at the end of this document (*Appendix C*).

Task 3:

Re-run the application and execute the following:

1. ./**RBMG00**
2. addMeeting -tenant\_C 2021-05-10 10:00 7.0 19;
3. addConference -tenant\_A 2021-05-12 11:00 8.0 3 webcam\_FHD monitor\_50;
4. addPresentation -tenant\_D 2021-05-11 07:00 9.0 2 projector\_4K screen\_150;
5. addPresentation -tenant\_D 2021-05-16 19:00 5.0 12 projector\_4K screen\_150;
6. addMeeting -tenant\_E 2021-05-13 02:00 10.0 7 projector\_4K screen\_150;
7. addMeeting -tenant\_A 2021-05-16 22:00 3.0 6;
8. addConference -tenant\_E 2021-05-14 02:00 12.0 19 webcam\_FHD monitor\_50;
9. addPresentation -tenant\_A 2021-05-13 04:00 4.0 6 projector\_2K screen\_100;
10. addPresentation -tenant\_E 2021-05-10 00:00 1.0 7 projector\_4K screen\_150;
11. addMeeting -tenant\_B 2021-05-13 05:00 2.0 3;
12. addPresentation -tenant\_C 2021-05-13 07:00 6.0 13 projector\_4K screen\_150;
13. addPresentation -tenant\_C 2021-05-15 17:00 7.0 7 webcam\_UHD monitor\_75;
14. addConference -tenant\_D 2021-05-10 20:00 7.0 5 webcam\_UHD monitor\_75;
15. addMeeting -tenant\_C 2021-05-11 18:00 9.0 18;
16. printBookings –fcfs;

*Note 1*: For "printBookings -**fcfs**", if you have not implemented the "first come first served" algorithm, simply replace it with the one which is implemented in your application. If you have implemented two or more algorithms, you need to generate all of them. Put all these output files to a sub-directory "**G00-Outputs**" under your group folder.

*Note 2*: Do not exit. The demo continues to do the following tasks.

1. bookDevice -tenant\_E 2021-05-15 00:00 11.0 screen\_100;
2. addBatch -rbmBatch.dat;
3. printBookings –ALL;
4. endProgram;

Stop taking the video.

Task 4 (*if applicable*):

If above tasks could not be done/finished properly, you might correct your source code and re-do above tasks again. For the revised source code, save it to a sub-directory "**Source Code**".

Task 5:

Fill in the "**Contribution Table**" (*Appendix A of this document*).

Task 6:

Fill in the "**Future Study**" table (*Appendix B of this document*).

Task 7:

Save this document as "Demo\_**G00**.docx" (where **G00** is your group number) to your group folder.

Task 8:

Zip the group folder and submit the zipped file to Blackboard.

- End of Demo -

**Appendix A**

***Contribution Table***

|  |  |  |
| --- | --- | --- |
| **Student ID / Name** | **Description of Contribution** | **Percentage of Contribution**  **& Signed** |
| Lam Chi Yuen 19052423d | Program layout design, program writing, report writing and debugging. | Lam Chi Yuen 25% |
| Sham Wing Chung 19050208d | Write program, establish the program structure and algorithm design, debugging | Sham Wing Chung 25% |
| Lam Kwan Lok 19051723d | Design test data, making the video for demonstration, debugging | Lam Kwan Lok 25% |
| Wong Tsz Fung 19059855d | Design test data, making the video for demonstration, debugging | Wong Tsz Fung 25% |

**Appendix B**

***Future Study***

Say something about your application, for example, the application could be improved/enhanced in such area(s)... And, how (in brief)?

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| **Item** | **Description** |
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**Appendix C**

*Captured Screen*