CS2040 LabTA weekly Meeting (17 August, 8pm)

1. Confirm lab session allocation
2. Teaching workshops for new UG tutors
3. Lab0
   1. Problems faced by students
   2. Mac user
      1. Connection via SSH
      2. File transfer using scp
   3. Window user
      1. WSL and Ubuntu
   4. Codecrunch
      1. Confirm that all have account
   5. Unix and vim command
      1. chmod
4. Lab 1
   1. Slides
5. Conduct zoom meeting.

Proceeding for the first lab session.

First 10-15 minutes, get to know your students, lay the ground rules, allow them to ask questions and wait for everyone to arrive. Introduce yourself

Next 15-20 minutes, discuss Lab0 and show them codeCrunch and explain how the grading will be  
done.

Next 10-15 minutes, discuss Lab1 problem 1 and 2. Make sure that they understand the question and give them hints but not the solutions.

Next 20-25 minutes, do a demo on problem 3, from problem analysis, algorithm design, and finally implementation. Tell them your experience in solving problem.

Highlight some of the problems faced by students and show them the solutions. For example,

* Permission denied when they tried to use check.sh to test their programs

chmod u+x check.sh or chmod 700 check.sh

to change the access permission for the file.

* Not able to connect to sunfire.

Need to connect to NUS VPN first

* Mac user, ask them to refer to the updated Mac user guide in Luminus
* Ask them about other problem they face and try your best to provide solution.

At this point, you may want to allow those students who are familiar with unix and vim to leave

The final 20-30 minutes, discuss unix and vim commands

Some useful references:

Lab0 walk through document (in Luminus File tool under lab material folder)

Notes on the website of the SoC unix workshop <https://nus-unix-workshop.github.io/2021-s1/>

<https://www.comp.nus.edu.sg/~cs1010/4_misc/UNIX_Workshop_2014_FOW.pdf>