Concurrent Programming
-Multicore Programming-
0. Administrivia

Hyungsoo Jung
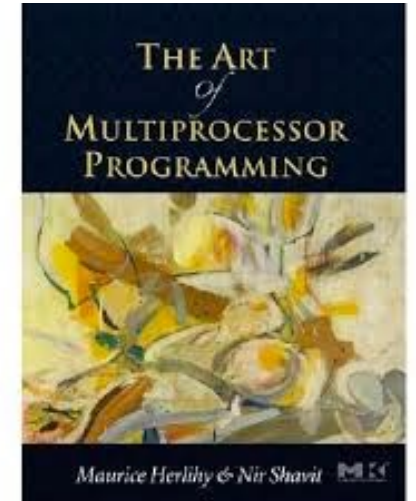
Database Operating Systems Laboratory
Hanyang University

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HANYANG UNIVERSITY

Who Am I?

- Hyungsoo Jung (Associate Professor)
  - IT/BT Building, Office 405-2
  - Web: http://dbos.hanyang.ac.kr
  - Office hours: By appointments

- Research areas:
  - **Database systems**, **operating systems,** and distributed systems

ITE4065 Team - TAs

- Jaechan Ahn (Head TA)

- Kitaek Lee

- Minseok Yoon

Infrastructure, Textbook & Readings

- Infrastructure (Hanyang LMS)
  - Piazza: http://piazza.com/hanyang.ac.kr/fall2022/ite4065/home
  - HYU Gitlab: http://hconnect.hanyang.ac.kr
- Textbook: The Art of Multiprocessor Programming
  - free online

- For projects: we will use **real database systems** (open-source)
  - Open-source Database Engines: Stay tuned for further notice !!!
- Online supplements
  - Everything will be posted to piazza (check as often as you can)

You learn contents by doing

- Course: 2 classes per week, 2 hours each (attendance is mandatory)
  - Lecture (pre-recorded lecture video (20~30min)+ offline lecture (~50min)) +
  - Lab exercise (pre-recorded LAB video (20~30min) + offline LAB class
- Numerous lab assignments (every or every other week :-)
- *** IMPORTANT ***

- ## Prerequisites (must):
  - ### Database Systems (ITE 2038) and Operating Systems (ITE 3021)
- The One-Strike-Out Rule:
  - IF COPY IS EVER DETECTED, THERE IS NO MERCY ☹
- DO NEVER TAKE THE RISK ☹

- If you miss the deadline more than **twice**, your grade automatically fall into the "**F**" category. → No further discussion will be made, which means it's final.

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Getting started

- **<u>Assignment 0:</u>**
  - Download VirtualBox and Ubuntu (20.x) before the first lab this week.
  - If you install both, that's a plus. (Check the portal web site)

- Start **<u>assignment 0</u>** immediately

- The **FIRST** programming project will be out sometime next week.
  - Please stay tuned for further updates.
  - **Grading** for this project is based on **your performance rank** (beware of this rule).

- **<u>Please think again and again before you finally decide to take this course!!! (I'm not kidding)</u>**

Grading

- 50% ~ 70%: midterm (optional) and comprehensive final exam
- 30% ~ 50%: lab assignments + tons of projects 😖

- Projects
  - Initial design, Design review, Design document, Code, Final design
  - Submission via HYU Gitlab *"git push"*

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Collaboration Policy (Ethics Rules)

- Explaining a concept to someone in another group
- Discussing algorithms/testing strategies with other groups
- Helping debug someone else's code (in another group)
- Searching online for generic algorithms (e.g., hash table)

- Sharing code or test cases with another group
  - Do NEVER post your code to github or something similar.
  - Code providers and copier will get "F" and be reported to the university ethics committee.
- Copying OR reading another group's code or test cases
- Copying OR reading online code or test cases from prior years

- **We compare all project submissions against online solutions and will take serious actions (described on the course overview page) against offenders !!!!!!!**
- **Please mind this ethics rules firmly !!!!**

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