

# Final Project (Pre-announcement)

Introduction to Databases

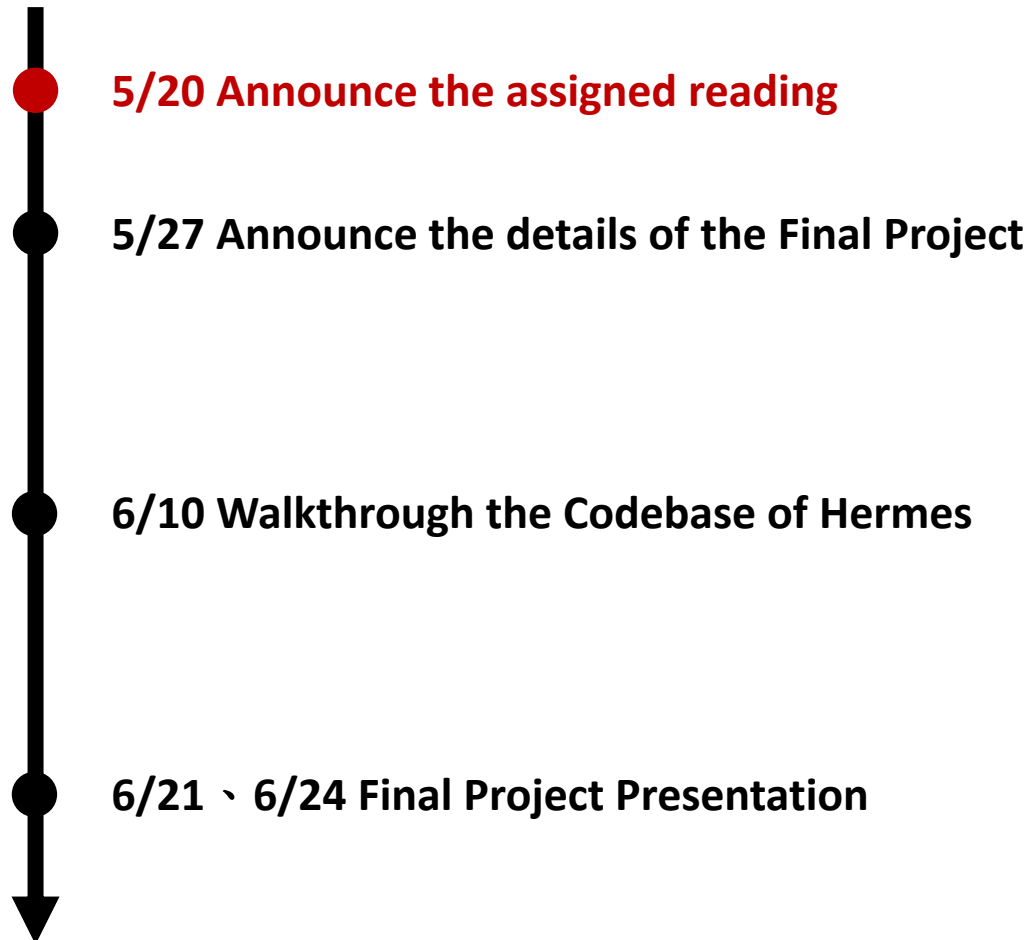
DataLab

CS, NTHU

# Goal

- This final project tests whether you are capable to do a research on a complex distributed DBMS.
  - We will give you more details in the next lab.
- Three Stages
  1. Read assigned papers
  2. Trace our Hermes implementation
  3. Add your design and test it with experiments

# Timeline



# Assigned Readings

- VLDB'10 - The Case for Determinism in Database Systems
  - To get the main idea of deterministic database systems.
- SIGMOD'12 - Calvin: Fast Distributed Transactions for Partitioned Database Systems
  - To know how to implement a deterministic database system.
- SIGMOD'21 - Don't Look Back, Look into the Future: Prescient Data Partitioning and Migration for Deterministic Database Systems
  - The target system we need to improve in this project.