Introduction to Database Systems
CSE 444

Lecture 27: Wrap-up

Reminder: About the ~~Final~~ 2nd Midterm

- ## Open book and open notes
  - But you won't have time to read during final!
  - No laptops, no mobile devices
- ## Topics: Basically 2nd half of the course
  - No ER diagrams, no FDs, transactions, serializibility.
  - No Pig Latin details (i.e., no "write a Pig Latin program to do X"), but know the basics of the language and its relation to Map-Reduce
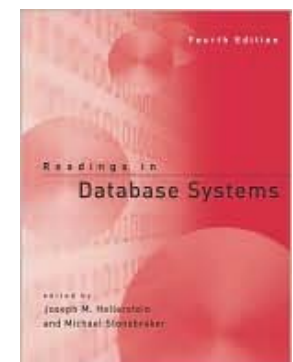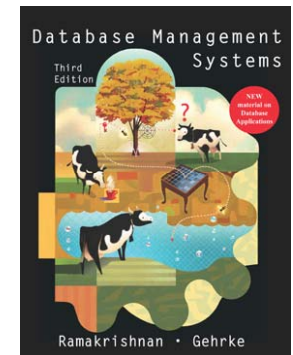
Review Advice

- Review lectures

- Review hw2 and hw3

- Review project 3 and project 4

- Practice sample finals posted on website

What We Have Learned in 444

- How to use a DBMS as a:
  - Data analyst: SQL, SQL, SQL,…
  - Application programmer: JDBC, XML,…
  - Database administrator: tuning, triggers, security
  - Massive-scale data analyst: Pig/MapReduce
- How DBMSs work:
  - Transactions
  - Data storage and indexing
  - Query execution

Where to Go From Here?

- Seek hands on experience
  - Experience using & building DBMSs
  - Internships, research projects, open-source projects
  - Check-out 544 assignments 2 and 3

- Read more about DBMSs
  - Other chapters in our book
  - Other chapters in Ramakrishnan & Gehrke book
  - Readings in DBMS book
  - Proceedings of SIGMOD, VLDB, ICDE, CIDR

Hope you had a great quarter!