Introduction to Database Systems
CSE 444

Lecture 27: Wrap-up

Reminder About the Final

- Open book and open notes
  - But you won't have time to read during final!
  - No laptops, no mobile devices
- Topics: Lectures 1 through 26
  - But mostly a 2nd midterm starting with database implementation
  - No ER diagrams and no FDs. (no lectures 5-7)
  - Minimal, if any, transactions/serializibility
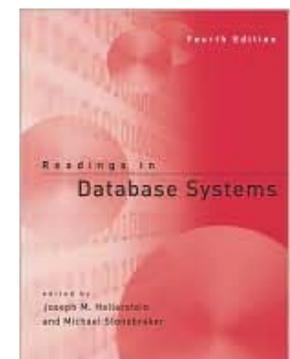 - No Pig Latin (no lectures 22 and 23)
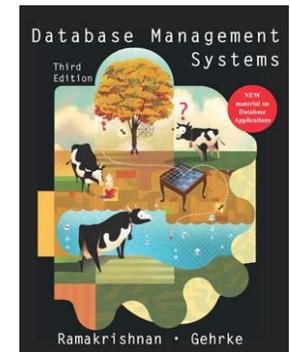
Review Advice

- Review the lectures mentioned in previous slide

- Review hw2 and hw3

- Review project 1, project 3, and project 4
    - But no Pig Latin on final!

- 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
- Databases as a service

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 summer!