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!