

A Farewell to Files and Databases



Final Exam: 12/7 in SN014 and FB009 from 12pm-3pm
Open book, open notes, open-internet
No human communication

~12 questions Jupyter Notebook ~9 covering materials since the last midterm; ~3 comprehensive



Grading Status

Midterm

- To my knowledge all issues are resolved and exams are graded
- Problem Sets (lowest score is dropped)
 - Everyone did well on Problem Set #6
 - Problem Set #5 graded soon! (today?)
 - All issues with other problem sets are resolved
 - Still needs grading (Done by Friday?)

Exercises

- You get 3 excused misses, the rest are 100% if turned in
- If you still have issues see me after class today or during my office hours tomorrow



Summary and What to study

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- Relational Model
- Out-of-core sorting
- Normal Forms

- Structured Query Language
- Integrating Dbases & programs
- NoSQL
 - BASE, MapReduce, Hadoo
 - **Document Model**
 - Columnar Model
 - **Graph Model**



- Systems
- Foundations

Systems



Applications



Foundations

Emphasis

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 Database Indexing Query Evaluations Query Optimization • Transactions and Concurrency