Final Thoughts and Conclusions
(Take away from this course!)

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Class presentations
• We have 24 teams
• Both members of the team should be present for the presentation
• Each team will get 3 minutes for the presentation
• I will try to return test 3 and go over answers during the last class
• Please do not forget to fill in the student evaluation on the web
  — This is important!

Other Courses I Teach + Research
• I teach cse 3330/5330 (Intro to Databases)
• I also teach CSE 1325 (Java)
• I also teach cse 6331 (advanced topics in databases), cse 6339 (seminar course), data mining and other courses
• If you would like to do more challenging projects using Java, please come and talk to me
• Most of our research prototypes are implemented in Java (MavStream, Sentinel, InfoSift, …)
  — We have 100,000+ lines of code in Java
• I will be happy to involve you in one of the research projects

Database is a vast area
• Object-Oriented DBMSs
• Object-Relational DBMSs
• Complex event processing (CEP) or Active DBMSs (I offer)
• Data Stream Management Systems (DSMS) (I offer as 5339)
• Cloud computing and DBMSs (I offer as 6331)
• XML Support in DBMSs
• Distributed and parallel DBMSs
• Multi-media DBMSs
• Data Mining
• Data Warehousing (have offered in the past)
• Spatial and temporal databases
• Time series or sequence analysis
• Information security
The devil is in the detail
☞ Hope this course has provided an idea of the internals of a DBMS and how it is implemented
☞ CSE 3330/5330 covers how to go from a real-world problem to a database design and implementation
☞ This course takes it from there and covers important modules and their interaction
☞ Storage and indexing
☞ Concurrency control and recovery
☞ Query optimization
☞ Newer models and NoSQL systems
☞ Cloud computing and Map/Reduce
☞ Interaction between the components of a DBMS

Feedback
☞ Send email to: sharma@cse.uta.edu
☞ What works and what does not work. More home works? More quizzes? How to make students practice more?
☞ How do I convey the seriousness about starting the project early?
☞ What component of the course is hard to grasp? What can I do about it?
☞ How can I make the project more interesting?
☞ How do I increase class participation?
☞ Any feedback on the TA, project, and how to improve his/her role for doing better in this course
11/10/2018

Thank You!

I have enjoyed teaching this class; Hope you have too!

PhD Students –
Mr. Abhishek Santra
Mr. Aleksander Telang

MS Thesis
Ms. Kanthi Komar

ALWAYS LOOKING FOR GOOD UNDERGRAD, MS, AND PhD STUDENTS

Thank You!