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

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Class presentations
• We have 22 teams
• Both members of the team will share the presentation
• Each team will get 5 to 6 minutes for the presentation
• I will 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!
  — You can do it either on bb or at http://uta.mce.cc/

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)
  — Graph mining, map/reduce is more details, video stream processing
• cse 6339 (seminar course)
• 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 DBMSSs (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

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PhD Students –
Mr. Soumyava Das
Mr. Abhishek Santra
Ms. Damini Singh

MS Thesis
Mr. Jay Bodra
Mr. Manish Annappa
Mr. Nandan Prakash
Ms. Jasmine Verghese
Mr. Mayur Arora
Mr. Shiv Panhalkar

ALWAYS
LOOKING  FOR
GOOD
UNDERGRAD, MS,
AND PHD
STUDENTS
Finally

In an interview, an interviewee was asked “Knowledge is power”, Do you agree? Interviewee said “yes, I agree”.

After a pause, the interviewer said “Knowledge is not power, applied knowledge is power!”

Went on to elaborate

No matter what you learn, the ultimate test of our knowledge is in your experience. Theoretical knowledge is less useful unless it is backed by (practical) experience.

- That is the essence of education.

Leaving you with

Thank You!

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