CSE 4331/5331   Data Models and Implementation
Module I Summary & Test details

Sharma Chakravarthy

Department of Computer Science and Engineering

Information Technology Laboratory

University of Texas at Arlington

sharmac@cse.uta.edu

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Test 1 Details

- **September 29, 2021 (Thursday) during class time <u>for all sections</u>**
  - ❖ I usually make the paper for 65 to 70 mins; you will have 80 mins (entire class period)
  - **Answer questions in the space provided**
  - ❖ Anything outside that will not be considered or graded
  - ❖ You will do the whole test/exam on the test sheet and submit it at the end
  - ❖ You should not run out of time if you keep your answers short
- **For all section, Test 1 will be in person**
  - ❖ During the class period in the class room NH 202
  - ❖ <u>If you are under quarantine (or a valid reason) and cannot take the test in person, please let me know at least a day or two prior to the test</u>
    - ▪ I can setup online test taking (see instructions below)

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Test 1 Details

- **Online test using lockdown browser (LDB) + respondus**
  - ▪ Download LDB
  - ▪ Make sure you are familiar with it and respondus
  - ▪ Will do the whole test/exam on **separate sheets of paper**, scan, and upload to Canvas (will be given extra 10 mins for this)
    - ▪ Make sure you put your id or name, page number on all sheets
- Make sure to put question and sub-question numbers clearly for each answer
  - ❖ Make sure your answers are for the question asked
- **Online test will be at the <u>same time</u> as the in-person test**

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Test 1 Details

- ❖ Make sure you have a good pdf scanner (do not upload images)
  - ▪ Bundle them **in sequence** of page numbers
  - ▪ **Upload ONE zipped file (practice before)**
  - ▪ **DO NOT upload scratch sheets (ONLY final answer)**
  - ▪ **Clarifications NOT POSSIBLE during online test**
    - ○ Therefore, write any assumptions clearly as part of the answer sheet
- ❖ Make sure your answers are legible and easy to read
  - ▪ **Will show some good and bad examples!**
- ❖ For delay beyond 10 minutes of uploading, there will be a penalty
  - ▪ Of 5 points every 2 minutes
  - ▪ Uploaded timestamp will be used

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Material for Test 1 includes

- ❖ Intro to DBMS
- ❖ Storage, buffer manager, file types
  - ▪ Policies and project 1
- ❖ ISAM, B, and B+ tree indexing, Hash indexing
  - ▪ Index types
  - ▪ Insert/delete algorithms
- ❖ External sort
- ❖ Application of cost model and analysis for scenarios
- ❖ Importantly
  - ▪ Work on practice problems
  - ▪ Work on questions on my slides
- ❖ Common sense

Test 1 (more information)

- ➤ Will be a collection of short answer questions, working out small problems, intuition behind usage etc.
  - ❖ True/false questions with justification
  - ❖ Read questions carefully; consider points allocation for the answer size
    - ▪ A question on storage structures
    - ▪ One or two question on indexing
    - ▪ A question on application of i/o cost formulas
- ➤ Point distribution for each sub-topic may vary
- ➤ Points will be given for the approach and logic
  - ▪ Small numerical errors maybe ignored
- ➤ short answer questions on your conceptual understanding will be asked.

Thank You !!!

For more information visit:
http://itlab.uta.edu

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