TechReady 14 12/3/2023

# CSE 4331/5331 Data Models and Implementation Modules III and IV Summary & Test 3 details

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Online Details

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# Test 3 Details

- December 5, 2023 (Tuesday) during class period
- ❖ I will make the paper for 60 mins; you will have 80 mins
- \* You should not run out of time
- If you are under quarantine and cannot take the test in person, please let me know at least a day or two prior to the test
  - \* I can setup online test taking with lock down browser and Respondus
- ➤ 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

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# Make sure your answers are legible and easy to read \*I have shown some good and bad examples! > 2.0 hours is more than sufficient to finish and upload No additional time for upload > You need to come out of LDB (submit) and then upload on the assignment setup for that > Clarifications NOT POSSIBLE for those taking online test \*Therefore, write any assumptions clearly as part of the answer sheet

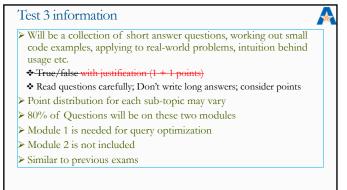
## Material for Test 3 includes

➤ Module III

- \* Big Data and its Characteristics
- Cloud computing
- ❖ Map/Reduce
  - Read from the book and go over my slides
- Go over examples of solving problems using map/reduce
- ➤ Module IV
- \* Algorithms for SQL operators, their costs
- ❖ Reduction Factor and its usage
- \* Single and Multi-relation optimization
- Use of indexes
- You also need some module one costs for file access etc

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