AT82.02 Data Modeling and Management

Final Exam Guide

Schedule

Date: Wed 25 November 2020
Time: 13:00 - 16:15 (3 hours)
- Attend/join the exam room at 13:00 for preparation / setup.
- Exam will start at 13:15 hrs.

Details and Instructions

Score: 25%
Exam Contents and Topics Covered: All topics discussed, presented, practiced in the class. Exam questions may include case studies, essay-style questions, practical questions.

Note that the exam aims at evaluating the following **Course Learning Outcomes** as defined by the course syllabus, with the focus on topics after the mid-sem exam:
1. Explain data modeling and management concepts.
2. Design and organize various types of data using a relational and non-relational data models.
3. Analyze the characteristics and requirements of data and select an appropriate data model.
4. Identify, implement and perform frequent data operations (CRUD: create, read, update and delete) on relational and NoSQL databases.
5. Describe the concepts and the importance of big data, data security, privacy and governance.
6. Describe the concepts and the importance of data engineering and data visualization.

Exam Room/Mode:
- Every student will work on the exam and submit the exam online using Exam.net.
- On Exam.net you are not permitted to navigate away from the exam environment nor use other programs at all. An attempt to do so will be reported and your exam session will be locked.
- Exam.net Video Tutorial (for Students) is available at https://youtu.be/H69tFhezTMg
- Course handouts and Lab documents will be available electronically in the Exam platform.
- Dictionary and printed documents are permitted.

For students who are in Thailand:
- Attend the exam in the room TC103. Bring your laptop to do the exam online.

For students who are abroad:
- Log in ZOOM and follow the instruction of "AIT Online Exams SOPs - for students" and
- Be reminded that you need to setup zoom on your smartphone in addition to zoom on your laptop. Your smartphone must be placed such that we can clearly see the computer screen and your working space in front of the computer as detailed in the SOPs and the video.

Student Code of Conduct:
- Student code of conduct must be strictly followed:
  https://students.ait.ac.th/services/regulations_old/student-handbook-2/
- Academic misconduct and any cheating attempts will be dealt with seriously under AIT regulations and policy!