IT 3290E   Database Lab

Class: ICT (Class Code: 135408)

Time :   07:30-10:00, Wednesday

Location :   B1 - 303

Lecturer :   Vu Tuyet Trinh
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Description

This course aims to provide practical experiences with Relational DBMS: defining, constructing and manipulating relational DBs.

Grading

- Mid-tem exam : 40%
  - Assignments: 10%
  - Test (2) : 30%
- Project: 60% (including coding, report, representation)

Project

- Teamwork : 2-3 students/group

- Topics : to be defined

Software & Readings

PostgreSQL https://www.postgresql.org/
DBMS document

Tentative schedule

Week	Content	Project
2 12/10	**No class**	
3 19/10	Preparation for lab environment DBMS functions and features {notes0, notes1, notes2}.pdf	Introduction to Project organization
4 26/10	CREATE and ALTER table statements INSERT, UPDATE and DELETE 1_Lab.pdf	List of project groups
5 2/11	Basic SELECT statement 2_Lab.pdf	Project ideas discussion (Guideline for project description)
6 9/11	SQL exercises – Correction and Discussion (DB)	
7 16/11	SQL Constraints , SELECT with JOIN Sorted queries String, Date and time functions	Project description submission
8 23/11		Project proposal (Presentation)
9 30/11	Test (TBC)	Project proposal (Presentation)
10 7/12	Nested queries Aggregate Functions and Group by	Project Description (Final submission)
11 14/12		Database Design (Presentation)
12 21/12		Database Design (Presentation)
13 28/12	DB Design – Correction and Discussion (DB)	
14 4/1	Index Explain statement	
15 11/1	Test	Progress report (submission)
16 18/1	**Tet Holiday**	
17 25/1		
18 1/2	Functions, Stored Procedures Triggers	
19 8/2		*Project discussion & review (upon on demand)*
20 15/2		
21 22/2	Revision	
21 25/2		Capstone project (Presentation) (Saturday – full day)