

IT 3290E Database Lab

Class: ICT (Class Code: 161352)
Time : 7:00 -10:00, Wednesday
Location : B1-208
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%
 - 2-3 test/assignments
- 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 17/9	No class	
3 24/9	Preparation for lab environment DBMS functions and features	Introduction to Project organization
4 1/10	CREATE and ALTER table statements INSERT, UPDATE and DELETE Basic SELECT statement	List of project groups
5 8/10	SQL Constraints , SELECT with JOIN Sorted queries String, Date and time functions	Project ideas discussion (Guideline for project description)
6 15/10	Exercises	Project proposal (Presentation)
7 22/10	Exercises	Project proposal (Presentation)
8 29/10	Nested queries Aggregate Functions and Group by	Project description submission
9 5/11	Test	
10 12/11	Semester Break	
11 19/11	Index Explain statement	
12 26/11	Exercises	Database Design (Presentation)
13 3/12	Exercises	Database Design (Presentation)
14 10/12	Functions, Stored Procedures Triggers	
15 17/12	Exercises	
16 24/12	Discussion	Progress report (submission)
17 31/12		Capstone project (Presentation)
18 7/1		
19 14/1		