Introduction to Database Systems
Spring 2008
Programming Assignment
Prof. Sang-goo Lee

Introduction

The programming assignments consist of 2 parts.

- For the first part, you will implement a simple SQL Processor which is like simple version of MySQL or Oracle, demonstrating your understanding of the content of the course. It consists of a series of three projects,: 1) Project 1-1 : SQL Parsing, 2) Project 1-2 : Schema Store and Access, 3) Project 1-3 : Data Store and Access.
- For the second part of the assignments, 1) Project 2-1: you will design a database application system, 2) Project 2-2: you will implement a database application system using DBMS such as MySQL, Oracle or etc.
- Notice that each project is built on the previous one
    - Project 1-2 can start after Project 1-1 is complete
    - Project 1-3 can start after Project 1-1 and Project 1-2 are complete
    - Project 2-2 can start after Project 2-1 is complete

Project Schedule (Tentative)

No	Due Date	Assignment
1	3/21	**Project 1-1 : SQL Parsing**
2	4/11	**Project 1-2 : Schema Store and Access**
3	5/2	**Project 1-3 : Data Store and Access**
4	5/21	**Project 2-1 : Designing a Database Application System**
5	6/15	**Project 2-2 : Implementing a Database Application System**

General Requirements

- All assignments are individual assignments and must be prepared by you alone - no group submissions are allowed.
- All assignments must be submitted in English (including reports and manuals)
- 3 Programming languages are allowed (C , C++, Java)
- You can use any kind of API, but it should be specified in your report
- Cheating on an any of the assignments will result in a score of 0 for it
- **Recall that a score of 0 in any one of your term projects will result in an F grade**

Late Assignment Policy

Programming assignments are due at 11:59pm on the date specified. A grading penalty will be applied to late assignments. (10% penalty up to the first 24 hours, 20% for 24 to 48 hours, with no credit received after that)

Assessment

- **Project 1-1** (20%) **Project 1-2** (20%) **Project 1-3** (20%) : **Total 60%**
- **Project 2-1** (10%) **Project 2-2** (30%) : **Total 40%**

T.A.

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