Group Project

Summary

- **Grouping**
  - 3-5 per group. (Week 2)
- **Task:** Develop a database application project
  - Check point 1: Proposal (Week 3)
  - Check point 2: DB design (Week 6)
  - Check point 3: Prototype (Week 10-11)
  - Check point 4: Final presentation (Week 15-16 in Lab)

» 可以与《移动应用开发》、《云计算》（王老师）课程项目结合

The Project: design end-to-end DB app

- data model
  - Identify entities & their relationships
  - → relations
- creation of DB in Oracle/MySQL
  - Population with real(alistic) data
- web app for accessing/modifying data
  - Identification of “interesting” questions & actions
  - Produce DBMS interface
- Work in pairs (/threes)
  - Choose topic on your own
  - Start forming your group today!

Collaboration model

- Homework and exams done *individually*
- Project done with *your team members only*, though can in general use any tools
- Non-cited use of others' problem solutions, code, etc. = plagiarism
- See academic honesty policy
- Contact me if you're at all unclear before a particular case
- Cite any materials used if you're at all unclear *after*

Candidate topics

- Implementing a DB application system with functions of CRUD.
- Implementing a small DB system, focus on one or more algorithms, can base on open source project, such as C-Store (http://db.csail.mit.edu/projects/cstore/)
- Other DB-related topics (need my confirmation)

Requirements: Due on Week 15

- **Submit**

(1) PPTs + demo video
(2) Source code (and the compiled executable files)
(3) The project report documents (including introduction, design, setup and deploy, and result, project management records)
(4) The individual report of each team members (your contributions, and anything else you want to talk about)
(5) votes of the top 10 teams (based on their presentations and your observations, give comments of 2-3 sentences)
(6) in-group assessment (grade each other in group)

Grade policy

- **Basic points**
  - Finish all projects correctly (w/o error). (60 points)
  - On time (WEEK 15). (10 points)
  - Documents, codes, presentation. (30 points)
    - Proposal
    - DB design
    - Votes
    - In-group assessment

Grade policy (cont.)

- **Bonus points: 10**
  - Creative or difficulty (+2)
  - Extra functions implementation (+2)
  - Friendly GUI (+2)
  - Apply advanced design pattern or else (+2)
  - Excellent Presentation (+2)
  - Imagine Cup (+2)
  - Others

Any question?

Welcome to email me.