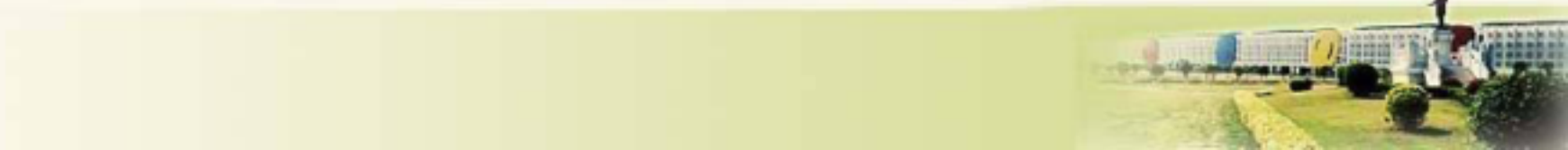


Group Project



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.

