Final Project

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Objective (1/2)

- This final project catches you up with the latest research topics on database systems
- Task 1: select and read into a research topic you like
  - E.g. optimization in a single-node DBMS, solving the scalability problem of relational databases, etc.
- Pool of literature: SIGMOD, VLDB, ICDE
  - Top-3 conferences in DB field
  - Only in last 10 years

Objective (2/2)

- Goal: ability to judge the quality of an idea
  - Pick an idea/mechanism that fascinates you
  - Is it that good on a real system (VanillaDB)?
- Task 2: implement the idea on VanillaDB and discuss your findings

Proposal

- Before starting implementation, please hand in a proposal with the following details
  - IDs and names of team members (can differ from homework)
  - Basic information about the paper you want to study (conference, published year, authors)
  - The main idea of the paper
  - The implementation and experiments you plan to do
- Proposal deadline: 2017/5/31 (Web.) 23:59

Final Report

- After finishing the implementation, please hand in a report with the following details
  - IDs and names of team Members (can be different from homework)
  - Basic information and the main idea of the paper
  - How you implement the idea
  - The problems you occur during implementation and how you solve them
  - The experiments results of your implementation
- Report deadline: 2017/6/15 (Thu.) 23:59

Final Presentation

- In addition to the report, you also need to present your work in the class
- Each team has
  - 20 minutes presentation
  - 10 minutes Q&A
- Your presentation needs to cover (at least) the main idea and your experiments
- TAs will announce a registration table for your presentation dates
  - Without surprise: from 6/13 to 6/15

Good Luck !