Database systems
Paper assignment

Aim

In this assignment you will deepen your knowledge, in a topic of your own choice, in the area of Database systems.

General

The assignment is solved in teams of two persons. You can chose between writing a poster (short paper), based on a series of articles on a topic in the context of database systems.

It's mandatory to, prior to the grading, *individually* read two or three other papers and provide constructive criticism (maximum half a page per paper read).

Papers are submitted at Bilda, and will be checked for plagiarism. Deadline for the first version is Dec 7th at 16:00; the constructive criticism is to be handed in Dec 13th. Deadline for the final version is Dec 19th at 16:00.
The reports are handed in via Bilda. The criticism is posted at KTH Social.

The papers/summaries will be graded F (Failed), P (Passed) or M (Passed with Merit), on each of these three parameters:

- technical content
- technical or business relevance,
- structure, clarity of composition and writing skills

The grade P on all three parameters will earn you 1 point, to get 2 points you need at least two M. Assignments handed in after the deadline will be graded F or P.

Writing a short paper

Chose a topic from the ones listed below, or come up with a topic of your own. In the latter case you have to clear the topic with the teacher before Dec 1st.
You have to search for, and compare, articles from known and trusted sources with different stand points or solutions. A document on how to write a short paper, paper-instructions.pdf, is provided at KTH Social; your paper has to follow these guide lines.

Topics:

- A comparison between object-oriented and relational DBMS.
- A comparison between NoSQL and relational DBMS.
- Distributed DBMS; general solutions or a comparison between different implementations, e.g. Cassandra and Big Table.
- A comparison between Cassandra and relational DBMS.

- What is data warehousing? Techniques and purpose.
- What is data mining? Techniques and purpose.
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