Assignment 2
Inf-3701 - Advanced database systems
Spring 2018

A theoretical or practical work with relevance to the course

In this assignment you will do some work, relevant for the course, that has some aspect of **originality**. You can choose either a theoretical or a more practical type of work. You should start with a problem or a question, and try to solve/answer the problem/question by either describing a possible solution in a theoretical paper or design and implement a solution that you present in a short paper. *All papers must include references to relevant literature*.

The requirement for originality means that you cannot provide a plain survey paper where you only report what others have done. However, you can for example describe the work of others, and provide your own comparison and/or evaluation of the work. You can choose to compare systems or approaches (either theoretically or through some practical testing), design a database for some specific purpose, do some performance evaluation, or something different.

Theoretical work is to be submitted as a paper (5 - 8 pages) and presented.
Practical work is to be described in a short-paper (2 - 8 pages) and the presentation should include a description and a demonstration.

You can choose to base your work on something you have been/are doing elsewhere (for example as part of your master thesis). However, the challenge (goal) and original work expected for this assignment must not be copied from elsewhere.
In the paper you must declare what part of the work that is done solely for the purpose of this course.

Choosing a topic
The course staff must approve your chosen topic and goal. Send an email to
najeeb.elahi@uit.no and describe what you want to do. Explain also why this is relevant and interesting to the course.

Writing the paper
You must use a typical paper structure, which includes title (choose a title that describes your work), author name(s), introduction (including motivation and goal), text concerning the topic, conclusion and references. The paper must focus on a clearly described challenge/goal.

Handing in the paper
You use Fronter for submitting papers. Format: pdf or doc

Peer-review
We will use a peer-review process to improve the quality of the papers. You will be assigned up to 2 papers (written by other students), which you will read and comment on.
Based on the comments you receive, you will improve your own paper and hand it in a second time.

Presenting the paper
Prepare a 10-15 minutes presentation.
If you have an implementation, you should (in the normal case) include a short demo.
For each paper we use *"opponents".* This means that each student will be given the task to read 1-2 papers carefully before the presentation and prepare questions to the author(s).
Presentations will take place week 15 and 16.
To be allowed to take the exam in Inf-3701, both paper and presentation must be approved on.
In this assignment you can work in groups of maximum 2 persons.

Deadlines:
Choice of topic: Tuesday March 6th
Paper submission (complete paper): Tuesday March 27th
Peer-review: Wednesday April 4th
Final version of paper: Monday April 9th