

## 1 SIGMOD Programming Contest: Analyze the Workload

Download the workload from the SIGMOD Programming Contest Website (<http://db.csail.mit.edu/sigmod09contest/>). It was announced for Jan 20 (already postponed from Jan 15) and should be available within the next days. Analyze and understand the workload and make proposals on what this means for your implementation. Discuss in detail:

- How do you partition the data? How can horizontal and/or vertical partitioning be applied? Does it make sense to use replication?
- Which indexes on which tables are needed?
- How much concurrency control is needed for this workload? How do you implement concurrency control?

Bring your proposals to the tutorial and discuss them with the other students.

The deadline for your first implementation of the contest specification is extended to Feb 3<sup>rd</sup>, 23:59:59.

Hint: it may make sense to write a small program to analyze the workload.