There will be many multiple choice questions in the final exam.
Other questions will follow the format of midterm.

Here is an easy multiple choice question

A transaction in which either all of the database actions occur or none of them do is called:

a. Consistent

b. Durable

c. Isolated

d. Atomic

Here is one similar to midterm question

Given a relation R (S, A, I, P) and functional dependencies S ->A and SI -> P

Consider a decomposition R1 (S, A) and R2 (S, I, P).
Is this a loss less join decomposition? Prove it.

Several small questions can be on Concurrency control and recovery/failures

Topics include 2PL, Optimistic and validation, serializability, performance issues, recovery schemes, types of failures

There can be some questions on query processing (SQL, Relational Algebra and its operators)

There can be questions on normalization, difference among normal forms, lossless and dependency preserving decompositions

Data independence, DDL and DML, database design issues

So please review the new material and topics that were covered after midterm for more questions
The exam will include topics that were covered before midterm, various hm work/ projects and class discussions.

More in class on Tuesday and in another email.