

# MA 518: DATABASE MANAGEMENT SYSTEMS

## MONSOON 2021

### Term Project: Phase I

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Deliverables:

- (a) You need to submit a report consisting of the following points.
- (b) Each group will be given 10 minutes to present their project  
(5 Mins presentation + 5 Q&A).

The report and the presentation should consider the following points.

1. Title of the project
2. Describe the full requirements of your application in detail using a numbered list of items, with each item describing one feature.
3. List all the queries that user may ask.
4. Come up with a conceptual schema for this application in ERD. Your application needs to have *at a very minimum five entities and five relationships*. However, I would expect that many of you will be working with a much larger number than just 5 entity types. Your conceptual design should characterize all entities and relationships with attributes, key and cardinality constraints should be all carefully designed.
5. State any constraints in your above requirement list that cannot be captured by the ER model and whether they can be captured using assertions.

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