

Database Design and Implementation: Recap

Topics covered

- Conceptual database design
- Logical database design
- Enhanced ER modelling
- Normalisation
- Physical database design
- Security
- Concurrency
- Backup and recovery
- NoSQL databases

Exam structure

- Written exam
- Two hours
- Four questions, choose any three
- Each question is worth 50 marks (total 150 marks)

Exam structure

- Q1: Conceptual, logical, EER
- Q2: Normalisation
- Q3: Transaction management, backup & recovery
- Q4: NoSQL databases

Module breakdown

- Final exam 50%
- Continuous Assessment 50%
 - Design document 25%
 - Implementation 25%

Continuous Assessment

- Deadline: Sunday 30th December, 23:59pm
- What to submit:
 - Design document (include any changes to original)
 - Report on implementation (very brief, ~2 pages)
 - Script to create database, tables and data (dump file can be used for this)
 - Script with queries/updates/etc.