

Assessment Information

Assignment Number	3 (of 3)
Weighting	35%
Assignment Circulated	26/4/2018
Deadline	10/5/2018 at 5:00pm
Submission Mode	Electronic and Presentation (video)
Learning outcomes assessed	<ol style="list-style-type: none">1. design and structure an efficient scalable database system2. implement and configure a database system3. maintain a secure and durable database4. describe, illustrate and explain the concept of linked databases and data migration techniques
Purpose of assessment	Demonstrate the ability to develop sensible plans for business continuity
Marking criteria	See lower part of page 2 of assignment specification
Submission necessary in order to satisfy Module requirements?	No
Late Submission Penalty	Standard UoL Policy

Assessment Task Weighting

There will be a total of three assignments.

Assignment 1:	30%
Assignment 2:	35%
Assignment 3:	35%

Each of the subsequent assignments will be a progression of the previous completed assignment.

Introduction

Your task for this assignment is as a group to submit a report containing two detailed proposals based on the database system that you have previously developed. You must also give a 15 minute presentation of your proposals.

Task

The organisation for which you have previously developed a database system is in the process of merging with a similar organisation. The database that is in use there has similar functionality, but a different implementation and software infrastructure. Your boss has requested that you attend a meeting where you deliver a presentation consisting of two different fully-costed proposals for handling the database systems used by the two organisations.

Lectures 4 to 9 included several slides that are relevant.

You will specify the computer system hardware and include any environment or infrastructure considerations required to support your proposed database system (or systems) for each plan. If you had specified an entirely externally hosted solution in the previous assignments, now assume that management

had demanded that the server(s) be hosted by the organisation(s) and base your report and presentation on this.

Note that you are required to maintain the provision of both existing systems as much as possible, prior to your solution going online.

Assessment

For this assessment you are required to deliver a group presentation video and submit an individual and group report. Your group report should have at least a title page and introduction, and include the following two distinct sections:

- Database Server hardware and environment:
Describe the computer system you proposed for use in your scenario and describe any changes necessary to handle the new requirements for the two alternative proposals. Include details of the costs of the hardware and environment.
- Business Continuity Plan:
For each of the two alternative proposals, document the approach that you recommend be taken for the amalgamation of the database systems of the two businesses. Outline the key personnel involved, include a checklist of steps to be taken. Include details of any costs.

Your presentation should be complete and start with a short section introducing your scenario and database. Do not assume that the staff present will have attended any previous presentation that you have given.

Marking:

The report itself is worth 50% of the overall assignment mark. Marks will be based on the report and the presentation combined

Amalgamation Plan One:	25 marks
Amalgamation Plan Two:	25 marks
Quality of overall report & presentation:	50 marks

In addition to the group report, presentation and video, each student will submit a single A4 report outlining their individual contribution to the project, their learning experiences, as well as an assessment of their own contribution and that of the other team members to the project. There is a Word document for this that can be downloaded from the COMP283 web site - "Peer Assessment and individual report form" link. This will be used to derive an assessment of each individual student based, moderating the assessment of the work of the group.

Plagiarism:

This work will be checked for plagiarism. Any part of the submitted work that is found to be plagiarised will be treated in accordance with University plagiarism policy.

Submission

1. The group should submit via the department's electronic submission system:-
 - A single PDF report document of your plans.
 - A PDF or PowerPoint file of your presentation slides
2. You should submit your individual A4 report (including peer assessment marks).

3. A link to a video of your presentation should be emailed to phil@liverpool.ac.uk

Both reports (PDF document) should be in English and formatted for A4. Any other format or document type will not be marked.

The group report document should include a title page, with the number and name of your group, the names and student IDs of your group members, and the date of completion. It should include a contents page, an introduction, description of the server hardware and software and sections on the various plans.

The individual report should include at the start your Name and Student ID and your group number and name.

Deadline

The deadline for this assignment is:

Thursday, 10th May 2018, 5:00pm

Late submissions will be penalised using the standard procedure for late submissions; See <http://www.csc.liv.ac.uk/departments/regulations/practical.html> for details.

Learning Outcomes

This assessment will test all four of the learning outcomes for the module:

1. design and structure an efficient scalable database system
2. implement and configure a database system
3. maintain a secure and durable database
4. describe, illustrate and explain the concept of linked databases and data migration techniques.