

Edexcel GCE

Applied Information and Communication Technology

Unit 7: Using Database Software

January 2013
Scenario

Paper Reference
6957/01

The scenario should be distributed to candidates at least three working weeks before the examination.
Note: There are **no** practice files for this examination.

This scenario should be used for the purposes of preparing candidates for the examination. This copy **must not** be taken into the examination. The information contained in the scenario will be included in the examination paper.

Further details are in the Instructions of the Conduct of Examinations (ICE), available from the Edexcel website for this qualification.

Edexcel will not accept any request for special consideration should candidates be given the incorrect scenario for the examination they are sitting.

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Scenario

Wallsherpool Sixth Form College - 'Working with Others' Qualification

Wallsherpool Sixth Form College is located in the north east of England and offers students a range of A Level courses. Students study between three and five subjects at AS Level during their first year in the sixth form.

In their first year, students are expected to complete a qualification known as 'Working with Others'. This qualification enables them to prove to universities and potential employers that they are able to work effectively as part of a team.

The qualification has three distinct learning outcomes. Students have to prove their skills in all three in order to successfully gain the qualification.

Students come under the care of a senior tutor during their time at the college. Carole Ploughman oversees the senior tutors. She is responsible for tracking the progress of students in each senior tutor's group. She currently receives progress updates from senior tutors and logs these in a spreadsheet. She creates reports for the college management using this data.

She knows you are studying ICT and thinks you could develop a more efficient IT-based solution to track student progress and provide management with the information they require. In the first instance it has been agreed that you will design and build a **prototype** relational database system that will focus on four tasks. The final system will be based on your evaluation of the prototype and your recommendations for further functionality. Carole will provide you with a text file of the data from her spreadsheet.

These are the tasks.

1 **Start-of-Year**, which involves automatically:

- deleting the data of students that is no longer required
- flagging students who have completed their first year
- providing a suitable message for Carole so that she knows what is happening.

2 **Adding Students During the Academic Year**, which involves:

- ensuring a name is present
- ensuring there is a senior tutor assigned to the student
- generating a unique enrolment number
- storing the student details if all requirements are met, ensuring it is clear they are a current student.

3 Updating Student Progress Records, which involves:

- searching for a particular student
- displaying their current progress record
- updating their progress record, where relevant
- indicating whether the student has completed the qualification.

4 Printing Progress Records – A printout of the progress of students. The printout will include senior tutor details with the students in their group who have not completed all learning outcomes.