

Pearson Edexcel GCE

Applied Information and Communication Technology Unit 7: Using Database Software

May 2014
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.

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Scenario

Wallsherpool Sixth Form College – Theatre Company

Wallsherpool Sixth Form College is located in the North East of England. Vicky Wilkinson is the performing arts teacher. She produces performances at various times during the year. Some of the performances are used to generate evidence for students studying A-level performing arts, others are purely for fun. The next production will be The Wizard of Oz and it is a performance for fun. It will be performed for the general public over a number of dates.

Every performance needs students to take a range of production jobs, for example sound crew, directing crew and actors. Students specify the production job they would like to have. They keep the same job on all productions they are involved in.

Each production has characters, which only actors can be assigned to play. For example, in The Wizard of Oz there is a character called Dorothy. Only one actor is assigned to a title role, such as Dorothy. Up to ten actors can be required for a bit part character, such as winged monkeys.

Currently Vicky keeps handwritten records of students and productions. She is finding this stressful as it is hard to make sure production jobs have been filled and all characters have actors assigned to them. Vicky knows you are studying ICT and thinks you could develop a more efficient IT-based solution to register students and manage the productions. In the first instance it has been agreed that you will design and build a **prototype** relational database system that will focus on three tasks.

1 Registering students, which involves:

- ensuring their name, gender and preferred production job are present
- generating a unique student number
- storing the student details if all requirements are met
- providing a suitable message for Vicky, so that she knows what is happening.

2 Assigning students to characters and other jobs for The Wizard of Oz, using one form only, which involves:

- selecting the production
- indicating what type of production job the student is to be assigned to
- if it is an actor then:
 - selecting the character
 - displaying details for this character
 - calculating the number of actors still needed
 - ensuring only a suitable actor can be assigned to that character
 - storing the character assignment if all requirements are met
 - updating any records as necessary.
- if it is another production job:
 - allowing the job to be selected
 - allowing only a suitable student to be assigned to that job
 - storing the job assignment if all requirements are met.

3 Printing characters needing actors – A report that shows the characters that still need actors for the current performance.