

Pearson Edexcel GCE

Applied Information and Communication Technology

Unit 7: Using Database Software

May 2015
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

Conaught College – Pastoral Care System

Conaught College is located in the North West of England.

Alison Smith is the Head of Student Services. The Head of Student Services oversees the pastoral care system, which involves teachers and personal tutors. There are 12 personal tutors working at the college. They each look after a group of students. Alison is one of the 12 personal tutors.

Students enrol at the college for two years. During their first year they study up to five subjects at AS level. In their second year they continue to study three or four of the subjects at A2 level.

The pastoral care system informs personal tutors when there are issues with students. Issues could be when students have performed well or where there are concerns. All issues can then be discussed with the student and any action taken.

Currently the pastoral care system uses a spreadsheet. However, the personal tutors find the spreadsheet difficult to use. It is very difficult to find their own students or to identify new issues.

Alison knows you are studying ICT and thinks you could develop a more efficient solution to allow personal tutors to keep track of the students in their group and for teachers to keep track of actions being taken. In the first instance, it has been agreed that you will design and build a prototype relational database system that will focus on five tasks.

1 **Logging in**, which involves:

- ensuring only a valid personal tutor or teacher is allowed entry to the system
- loading the correct form depending on the type of user.

2 **Viewing a personal tutor group**, which involves:

- displaying the details of the personal tutor logged in
- generating and displaying the total number of students in their group
- displaying the student details along with an overview of the issues raised for all students in the group.

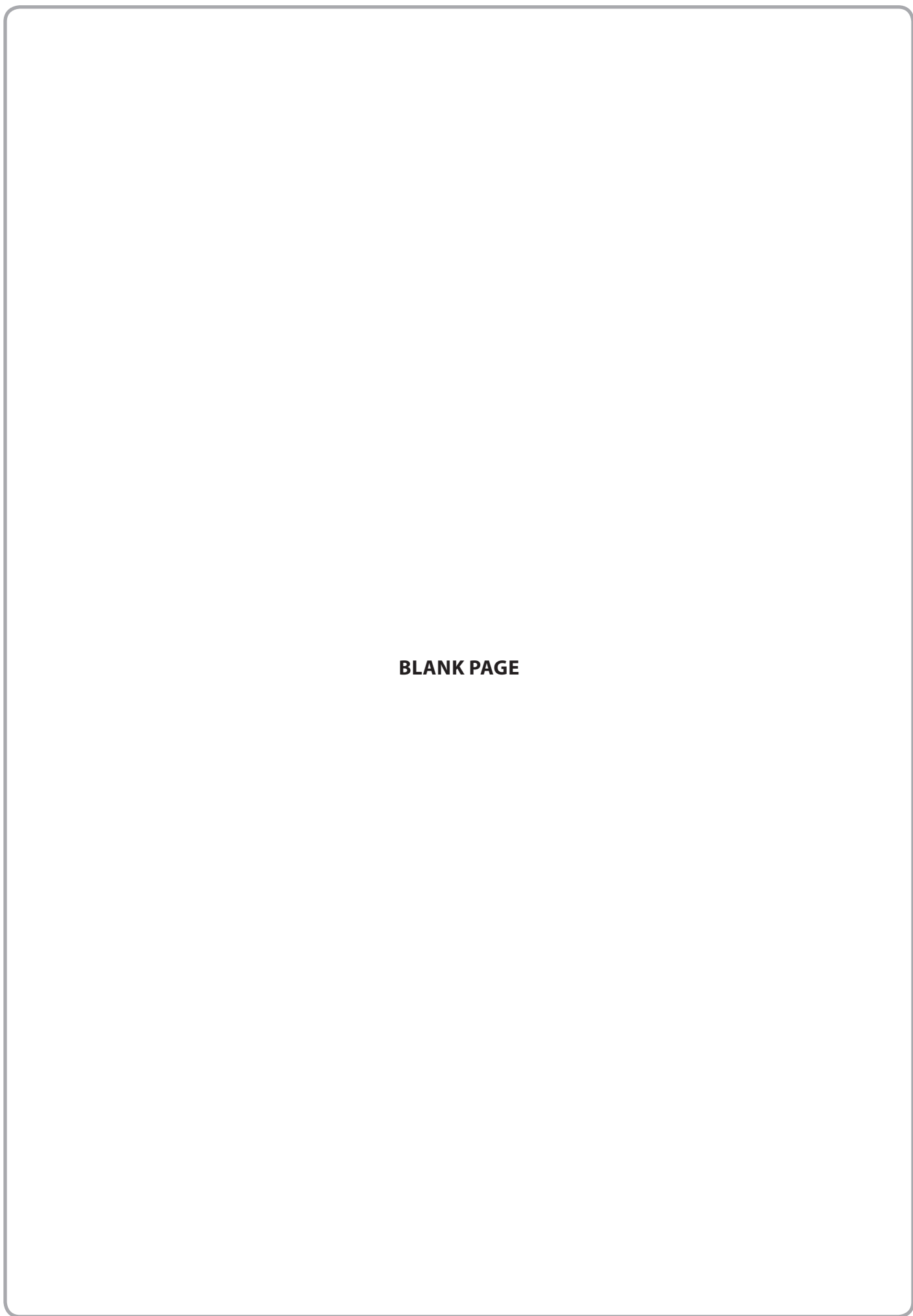
3 **Viewing issues for a particular student**, which involves:

- clicking on a student name to display a more detailed overview of the issues raised for them.

4 Adding teacher issues, which involves:

- allowing a teacher to select a student
- indicating the type of issue
- writing comments about the issue
- saving the issue if all requirements are met.

5 Printing tutor group issues – the personal tutor who is logged in needs to be able to print out issue reports for their group.



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