

**Edexcel GCE**

# **Applied Information and Communication Technology**

## **Unit 7: Using Database Software**

June 2010

**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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## Dolphin Theatre Booking System

The Dolphin Theatre is staging a one week production of 'An Inspector Calls'. There will be a series of matinee and evening performances to allow pupils to attend as part of their GCSE English course.

The theatre, which is quite small, has 120 seats.

There is a restricted view from eight of the seats because of inconveniently sited pillars. Tickets for these seats are sold at a lower price.

Seats are priced at £8 each for the Stalls, £12 each for the Front Stalls and £15 each for the Circle. The eight seats with a restricted view are priced at £5 each.

Some customers have 'Friend' status because they have invested in the theatre. They are entitled to a discount of 10% on any tickets they buy.

Enquiries and bookings can only be made by telephone. These are handled by the receptionist.

At present the theatre uses a flat-file database for the booking system. This is prone to errors such as double bookings.

The theatre director, Maggie Coyle, wants a new booking system that is:

- secure, requiring a username and password to access it
- robust
- intuitive and simple to use.

The new system must be able to:

- show easily which seats are available
- book a seat for a specified performance
- add a new customer
- note whether customers want their details passed to the marketing department or not
- apply the appropriate discount when a 'Friend' makes a booking
- print the booked tickets for each performance.

Your task is to create a database for the new booking system that will meet the requirements of the theatre director.