

Edexcel GCE

Applied Information and Communication Technology

Unit 7: Using Database Software

January 2011

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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Raptshia

Roderic Maine saw himself as the 'main' man when it came to setting scoring records using any type of games console.

After a few weeks of sixth form study, Roderic realised that he had a problem. He was spending more time playing games than before. This meant that he needed more money to buy enough games to keep him happy.

Roderic decided to set up his own business selling games and consoles. He called his business Raptshia. The business started slowly with sales mainly to his friends at school. He then set up a website to advertise his goods. Gradually, Roderic got more orders from further afield and the business started to grow. Currently orders come in over the phone, by post or as email enquiries.

Roderic soon lost track of what he was selling and who he was selling it to. His friend, Antonia, told him he needed a database management system and this is where you come in. You are going to build a **prototype** of a database system that will show Roderic some of the good things a database can do. It may be expanded later to a fully functional system. This system would be based on your evaluation of the prototype and your recommendations for further functionality.

Antonia has managed to get the following list of tasks that the database prototype has to perform, from Roderic.

1. **Adding New Orders**, which involves:
 - selecting a customer and product
 - entering the quantity of the product required
 - automatically assigning the order date
 - determining the total cost of the order
 - the generation of a new sequential order number, which always begins ORD
 - storing the order details somewhere suitable
 - reducing stock levels
 - providing a message to the user so they know what is happening.
2. **Adding New Customers**, which involves:
 - adding the customer details ensuring the postcode is present
 - the generation of a new sequential CustomerID
 - storing the customer details somewhere suitable
 - providing a message to the user so they know what is happening.
3. **Produce Stock Checks** – A printout of the products Roderic needs to order including the supplier details, how many of each product and costs.

The printout will need to look professional and be easy to read.

Roderic always sets a reorder number for his products so that he knows how many of each to order when stocks are running low. Currently this is between 3 and 20.