# Activity sheet 3.47: Building skills for assessment activity

*Learning outcome D: Planning and communication in digital systems*

You are working for a business that buys and sells umbrellas. You have been given a data flow diagram and need to explain the information it contains.

Here is the diagram.

Graphical user interface, application

Description automatically generated

1. Describe the processes involved.

1. The processes for obtaining new supplies are in reality very similar to those involved when selling to customers. The diagram currently does not show this in detail. Update the diagram   
   to show the processes used by the supplier in response to an order for more stock.

A business that sells computer keyboards gives a 20% discount to all customers who order   
20 or more keyboards. Customers who are based in the UK receive free delivery no matter how many keyboards they purchase.

1. Draw a flow chart to illustrate the above processes.

You have been asked to design a new system for an estate agent to enable them to arrange house viewings for their clients. Sellers and potential buyers will each enter their availability onto separate digital diaries. These are then used by the estate agency booking system to offer viewing times that are convenient for both the buyer and seller.

1. Explain how the following forms of notation will help you to design a new system.
2. Data flow diagrams

1. Flowcharts

1. System diagrams

1. Tables

1. Written information