# Activity sheet 3.45: Creating a data flow diagram for a cinema

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

*D1: Forms of notation*

A cinema entrance hall contains point-of-sale terminals where customers can buy tickets for films.

Use the following description of the ticketing system to draw a data flow diagram in the space below.

1. The customer makes an enquiry about seat availability by selecting a date and time for the film they would like to see.
2. The kiosk checks seat availability in the ticketing database.
3. The kiosk displays available seats and the customer selects the ones they wish to reserve.
4. The ticket purchase is managed by:
5. requesting payment from the customer
6. reducing the number of available seats in the ticketing database.