

There are a large number of references on the World Wide Web, including:

<http://www.modelingstyle.info/activityDiagram.html>

http://sunset.usc.edu/classes/cs577a_2000/papers/ActivitydiagramsforRoseArchitect.pdf

Quick check questions

You can find the answers to these in the chapter.

- a In what way do activities differ from states as found in state diagrams?
- b What types of process can activity diagrams model during the course of development?
- c What common features of most programming languages can be modelled by an activity diagram?
- d If an activity diagram shows two or more activities carried out in parallel does this mean that the activities must be carried out at the same time or that the order of processing does not matter?
- e What does the diamond symbol mean on an activity diagram?
- f What do two synchronization bars indicate in an activity diagram?
- g What do swimlanes show in an activity diagram?

Exercises

- 8.1 Figure 8.18 shows a simple sequential activity diagram for the purchase of tickets by telephone. Modify the diagram to show that the activities 'Calculate total cost' and 'Record customer details' can be carried out in any order.
- 8.2 The owners of a small retail company make regular orders to their supplier. First, they check their current stock, and then compile the order. When they receive the goods, they check them against the order, and update stock levels. They also pay the supplier's bill.
Draw an activity diagram to illustrate the ordering process. Your diagram should include an example of parallel processing.
- 8.3 Figure 8.19 shows a simple sequential activity diagram illustrating a car entering a car park. Add swimlanes to the diagram to show which of the activities are carried out by