

Quick check questions

You can find the answers to these in the chapter.

- a What aspect of a system does the use case model?
- b The use case model consists of a set of complementary elements. Can you name them?
- c Suggest two ways of identifying use cases.
- d What is the relationship between scenarios and use cases?
- e It would be impracticable to write scenarios for every possible sequence of events. What would be a sensible set of scenarios for a developer to write?
- f Describe the typical contents of a high-level use case description and an expanded use case description.
- g What is the relationship between an actor and a use case?
- h You can use four types of relationship on a use case diagram; list them and give a brief description of each one.
- i Apart from its main purpose (outlined in your answer to question a), what other use can the developer make of the use case model?

Exercises

- 3.1 Below are some scenarios from a library system. For each scenario work out its use case and actor, then draw the use case diagram for the whole library system.

A

- A library member chooses three books and takes them to the librarian on the loans desk
- The librarian checks how many books the member has out on loan
- The member has no books already out on loan
- The librarian registers the loans on the system and issues the books to the member.

B

- A library member chooses six books and takes them to the librarian on the loans desk
- The librarian checks how many books the member has out on loan
- The member has three books already out on loan
- The librarian says that the member can only borrow a total of six books