

9.3 Use cases and Boundary Changes

Defining the subject boundary

Subject Boundary

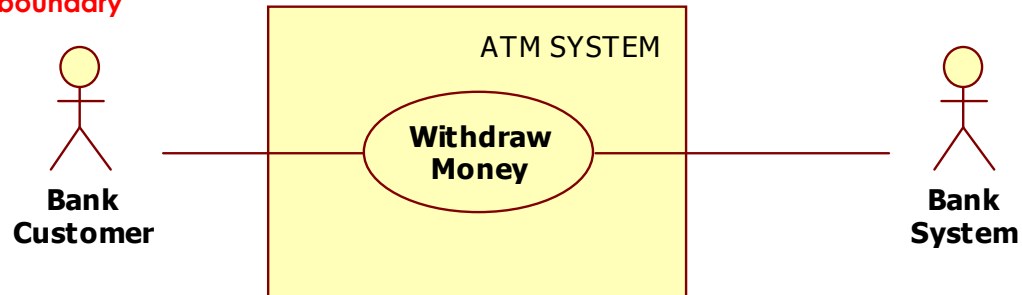
- ◆ Use cases are displayed within a subject boundary.
- ◆ The subject could be a business (e.g. The Library). In this case the Borrower is the main Actor of the Library.
- ◆ The subject could be a computer system (e.g. The Library Management System). In this case the Librarian is the main Actor of the Library system. The borrower normally gives the Librarian their items and library card when they want to loan items. The borrow might only be able to browse for items using the computer system.

System use cases

- ◆ The use cases outlined thus far were all business or organization use cases. However, the same rules apply to system uses cases. Hereinafter we shall address the system requirements (ie what the computer must do)
- ◆ The subject is now the computer system.
- ◆ Note, we still define what the system must do. Rather than how it must do things. For example, we do not specify “the user enters their user code and password”. This is too specific.

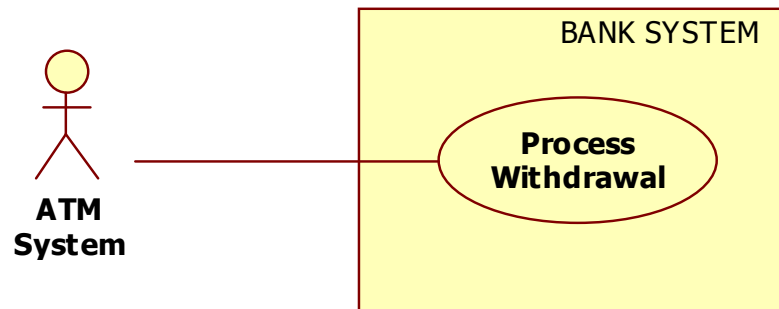
Actor and System Boundary

When the ATM is
the system boundary

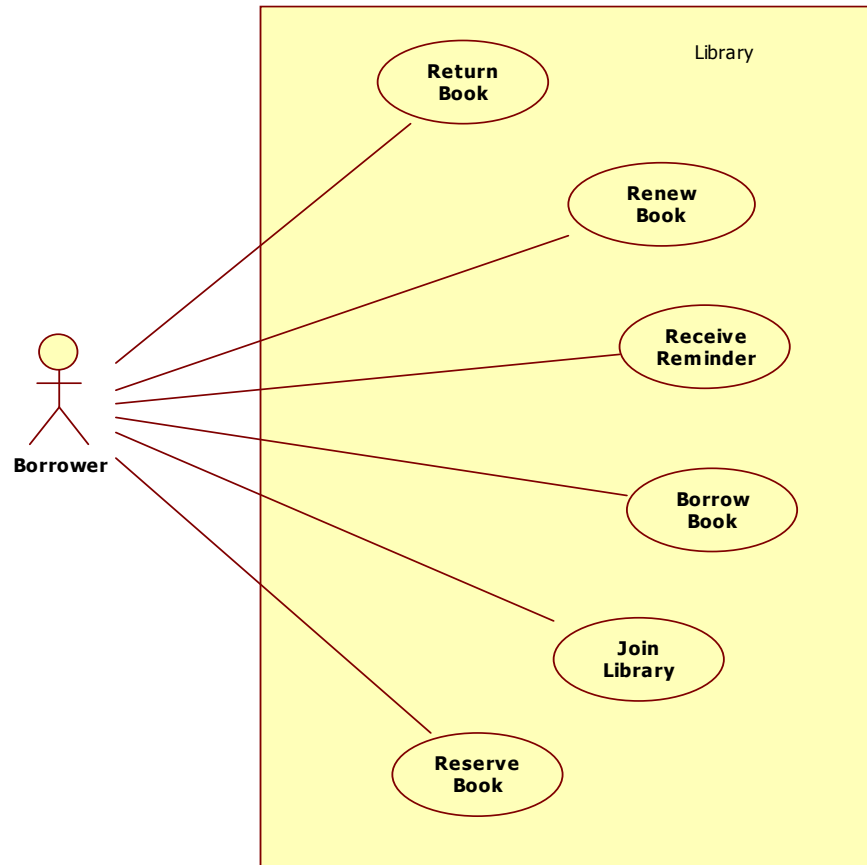


The Bank System is
A secondary actor

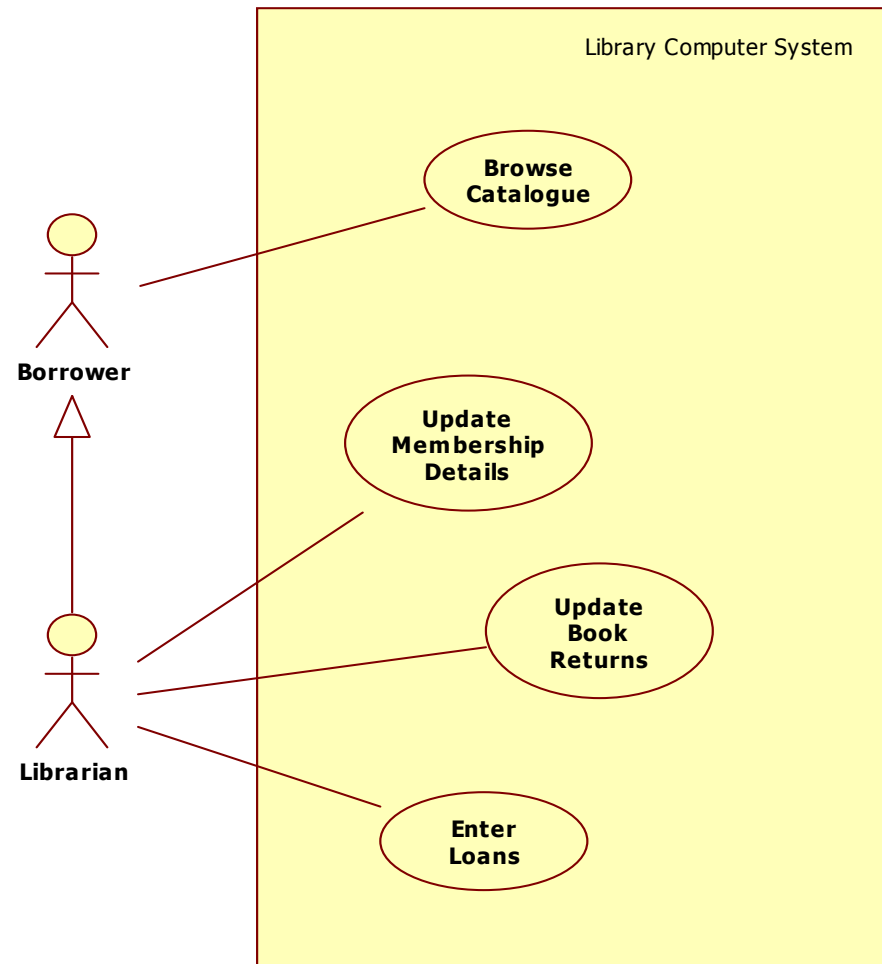
When the Bank System is
the system boundary



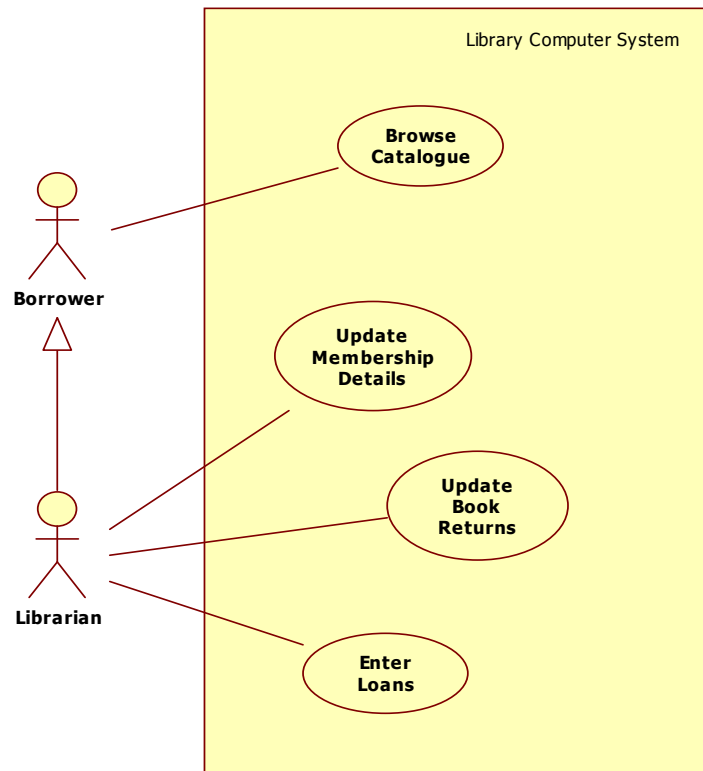
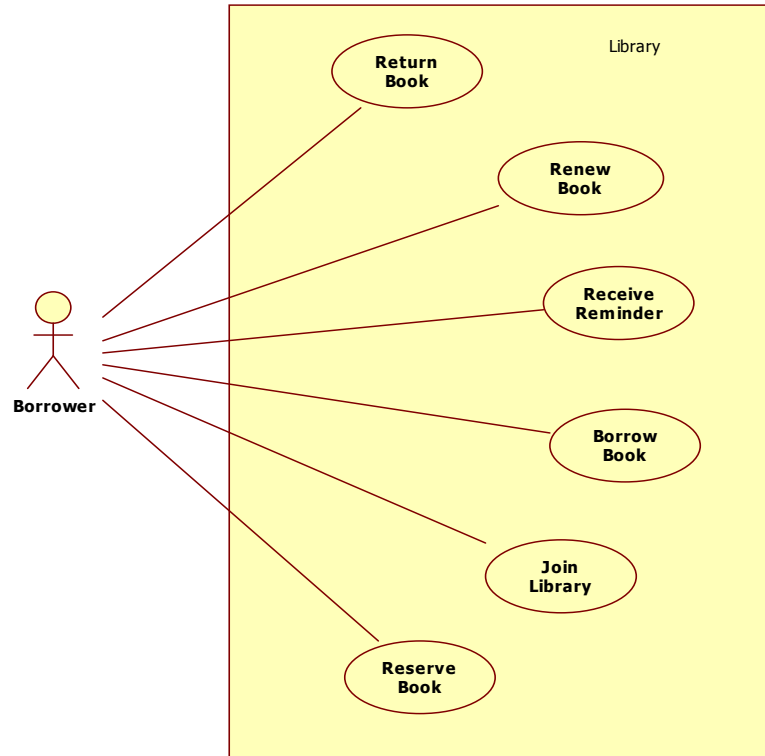
Library: Subject boundary



Computer system: subject boundary



When the subject boundary changes



When the boundary is the computer system, the use cases reflect the system requirements.