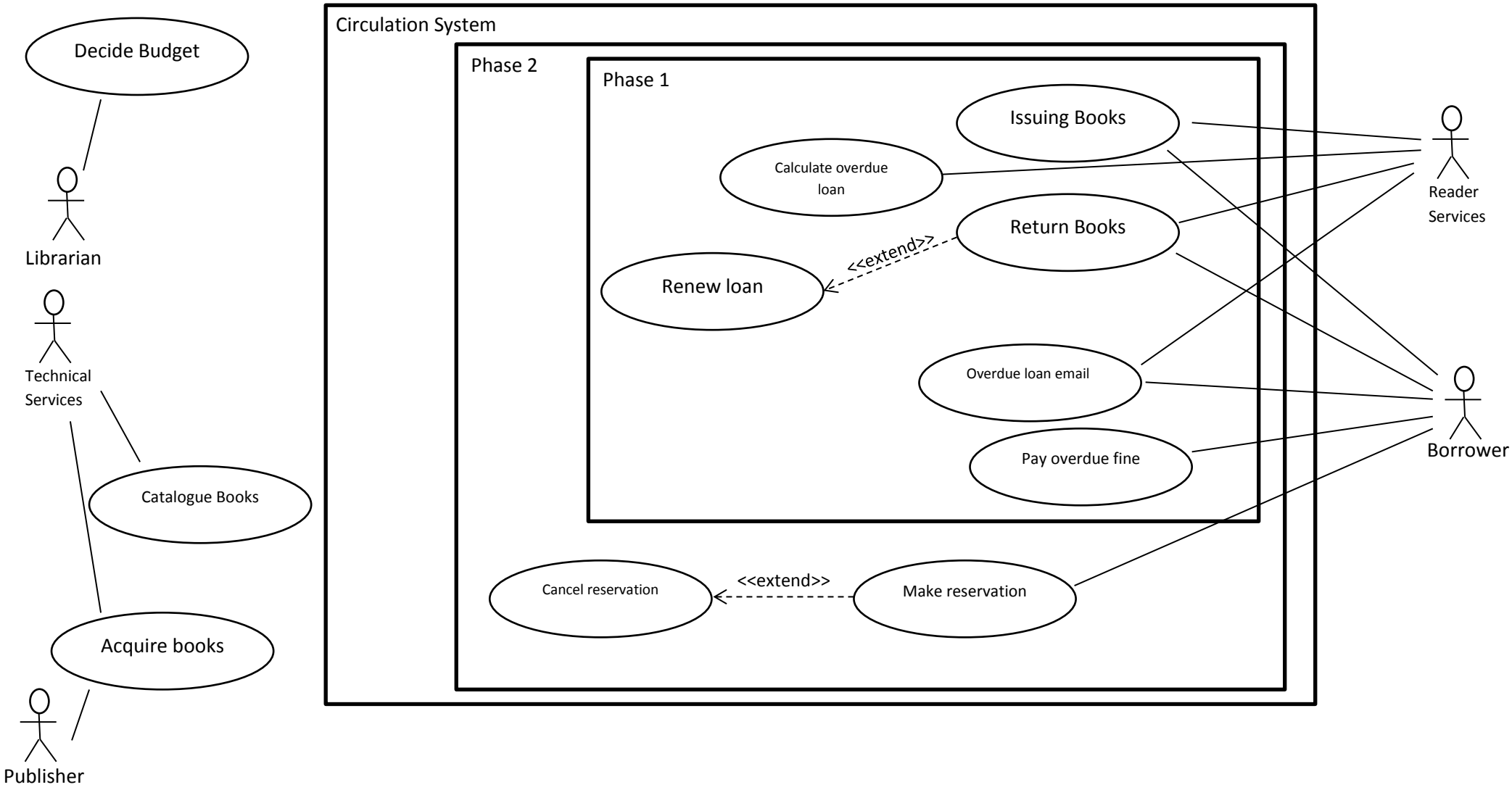
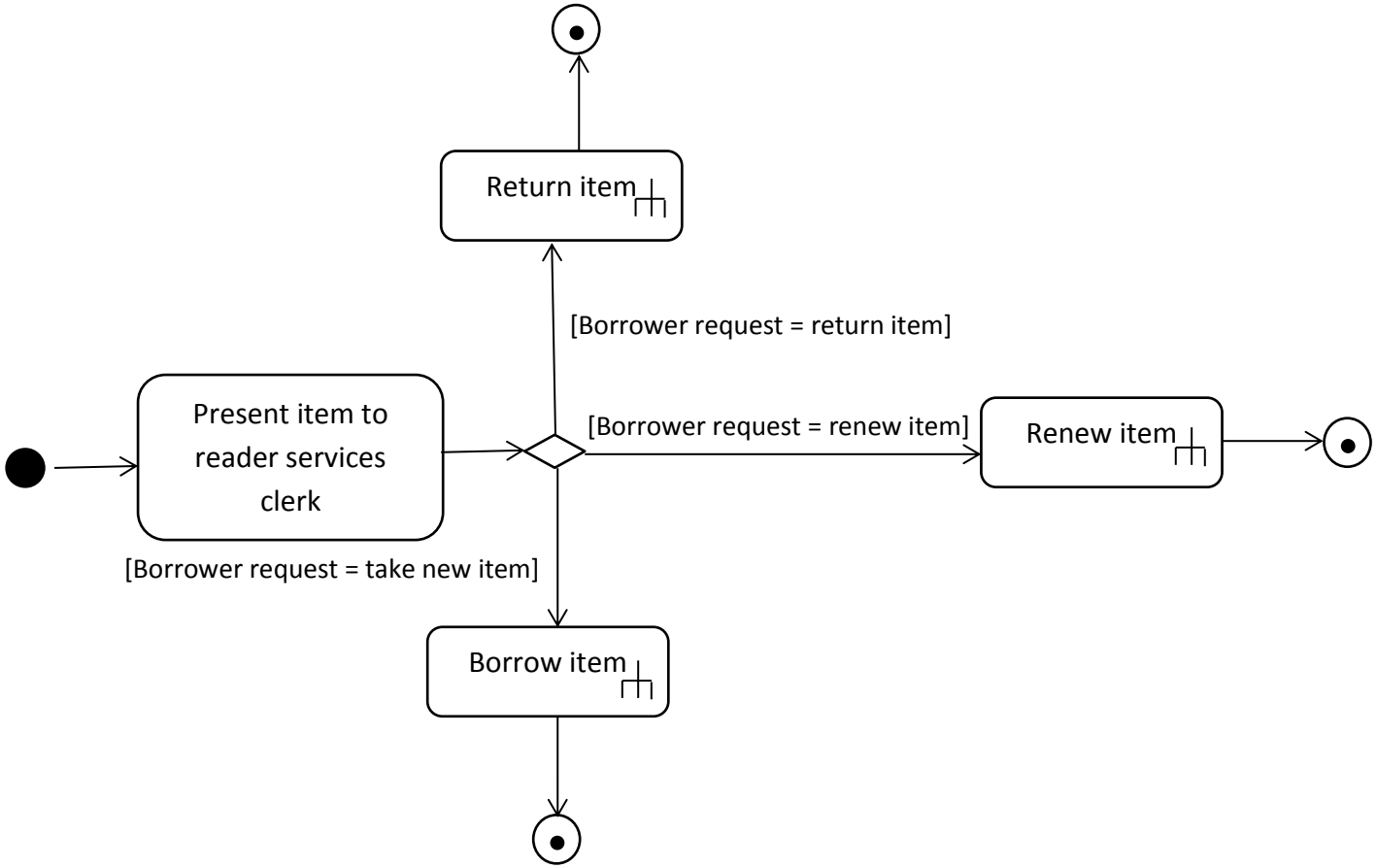
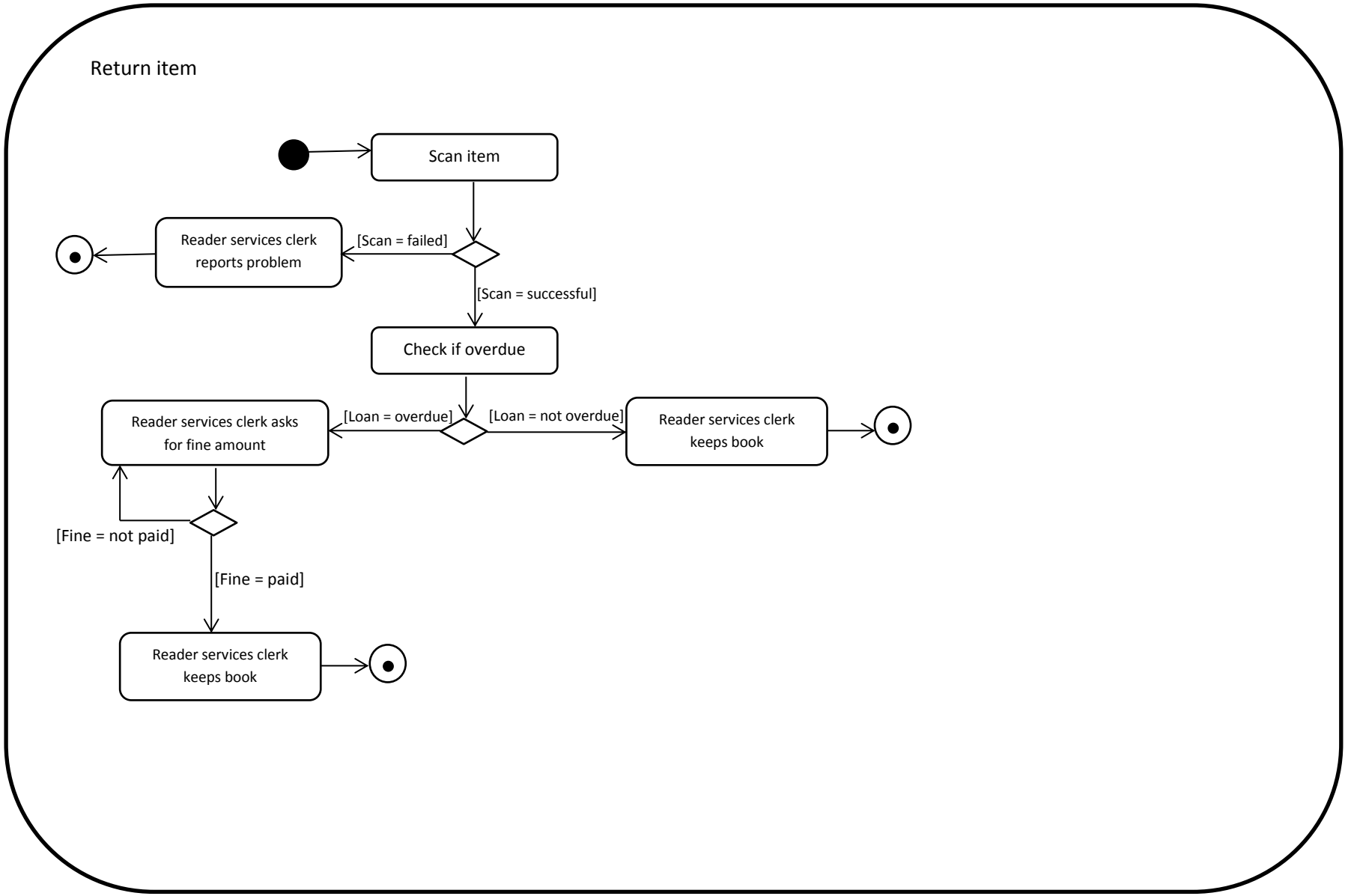
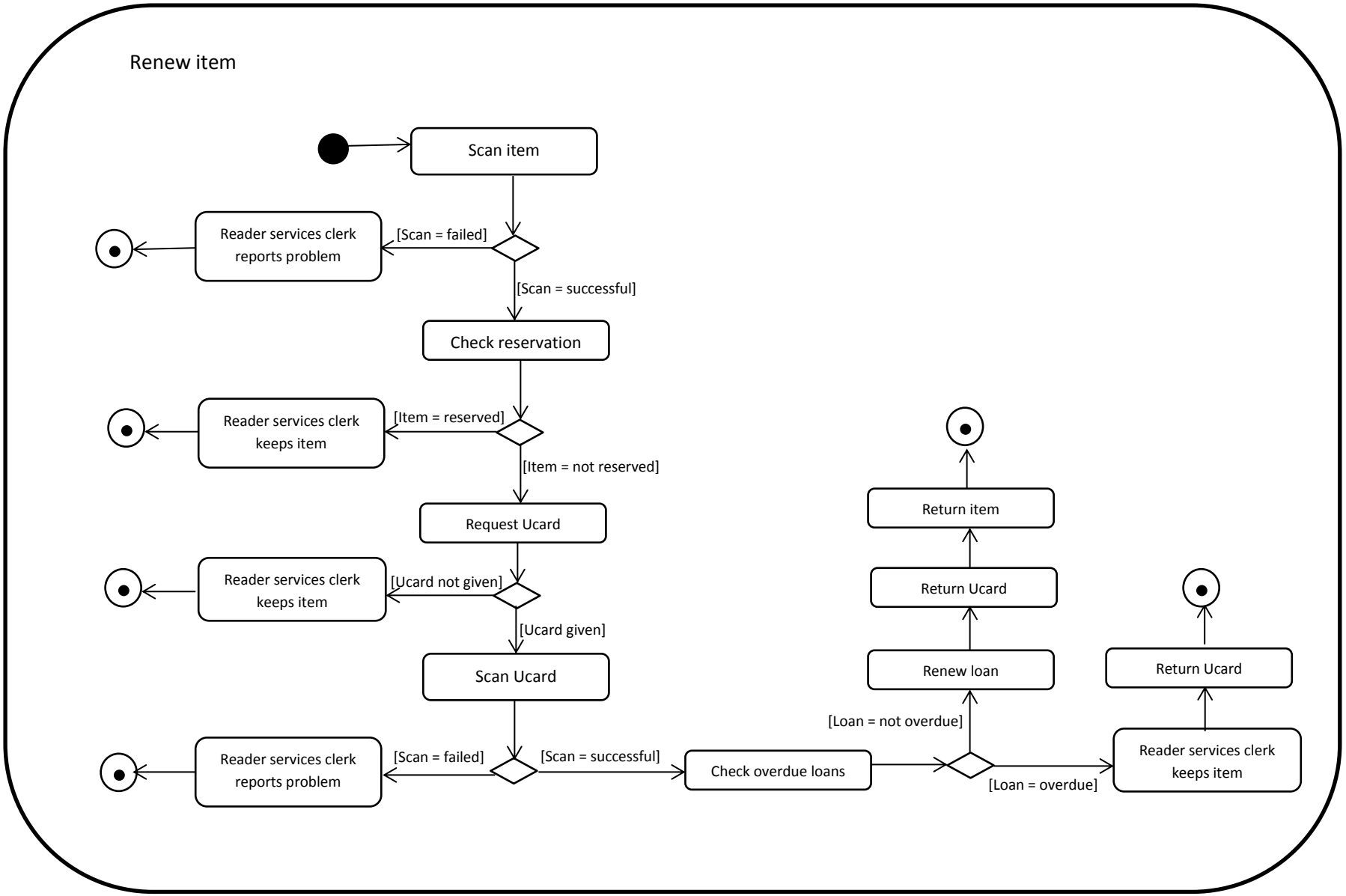
Use Case diagram

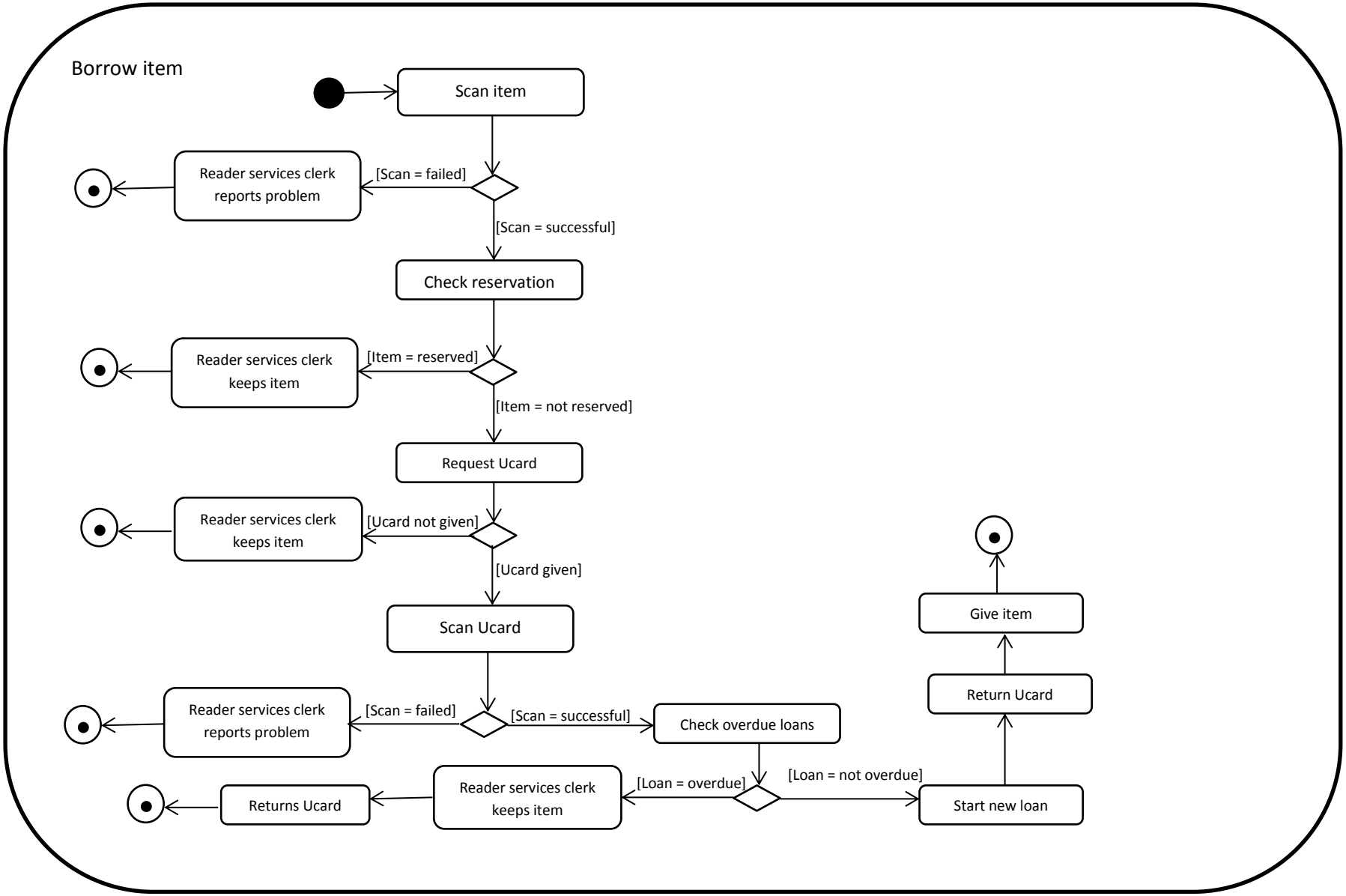


Activity Diagram




Return item
Scan item
Reader services clerk reports problem
[Scan = failed]
[Scan = successful]
Check if overdue
Reader services clerk asks for fine amount
[Loan = overdue]
[Loan = not overdue]
Reader services clerk keeps book
[Fine = not paid]
[Fine = paid]
Reader services clerk keeps book


Renew item
Scan item
Reader services clerk reports problem
[Scan = failed]
[Scan = successful]
Check reservation
Reader services clerk keeps item
[Item = reserved]
[Item = not reserved]
Request Ucard
Reader services clerk keeps item
[Ucard not given]
[Ucard given]
Scan Ucard
Reader services clerk reports problem
[Scan = failed]
[Scan = successful]
Check overdue loans
[Loan = not overdue]
[Loan = overdue]
Renew loan
Return Ucard
Return item
Reader services clerk keeps item
Return Ucard


Borrow item
Scan item
Reader services clerk reports problem
[Scan = failed]
[Scan = successful]
Check reservation
Reader services clerk keeps item
[Item = reserved]
[Item = not reserved]
Request Ucard
Reader services clerk keeps item
[Ucard not given]
[Ucard given]
Scan Ucard
Reader services clerk reports problem
[Scan = failed]
[Scan = successful]
Check overdue loans
Reader services clerk keeps item
[Loan = overdue]
[Loan = not overdue]
Returns Ucard
Start new loan
Return Ucard
Give item