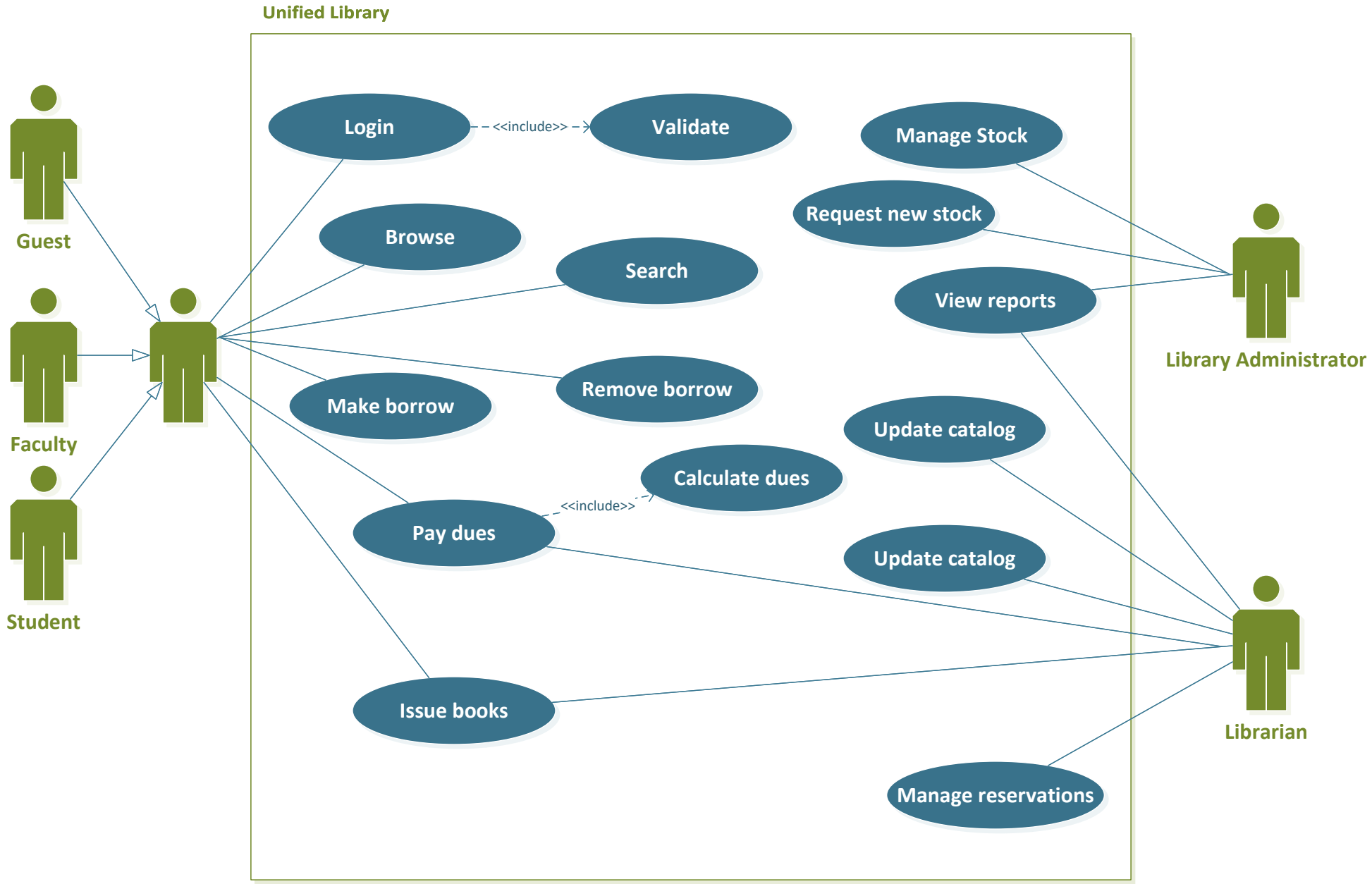
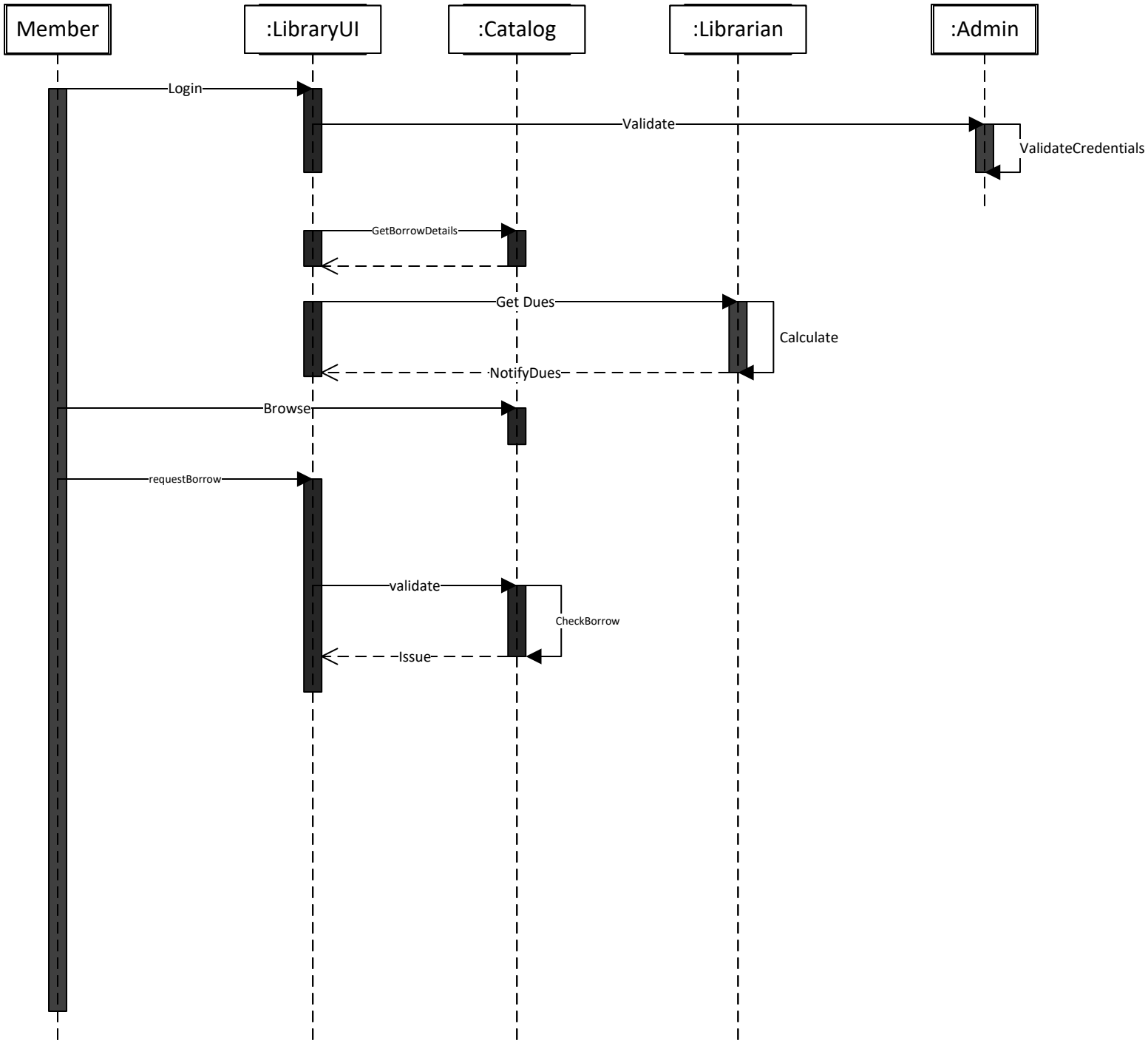
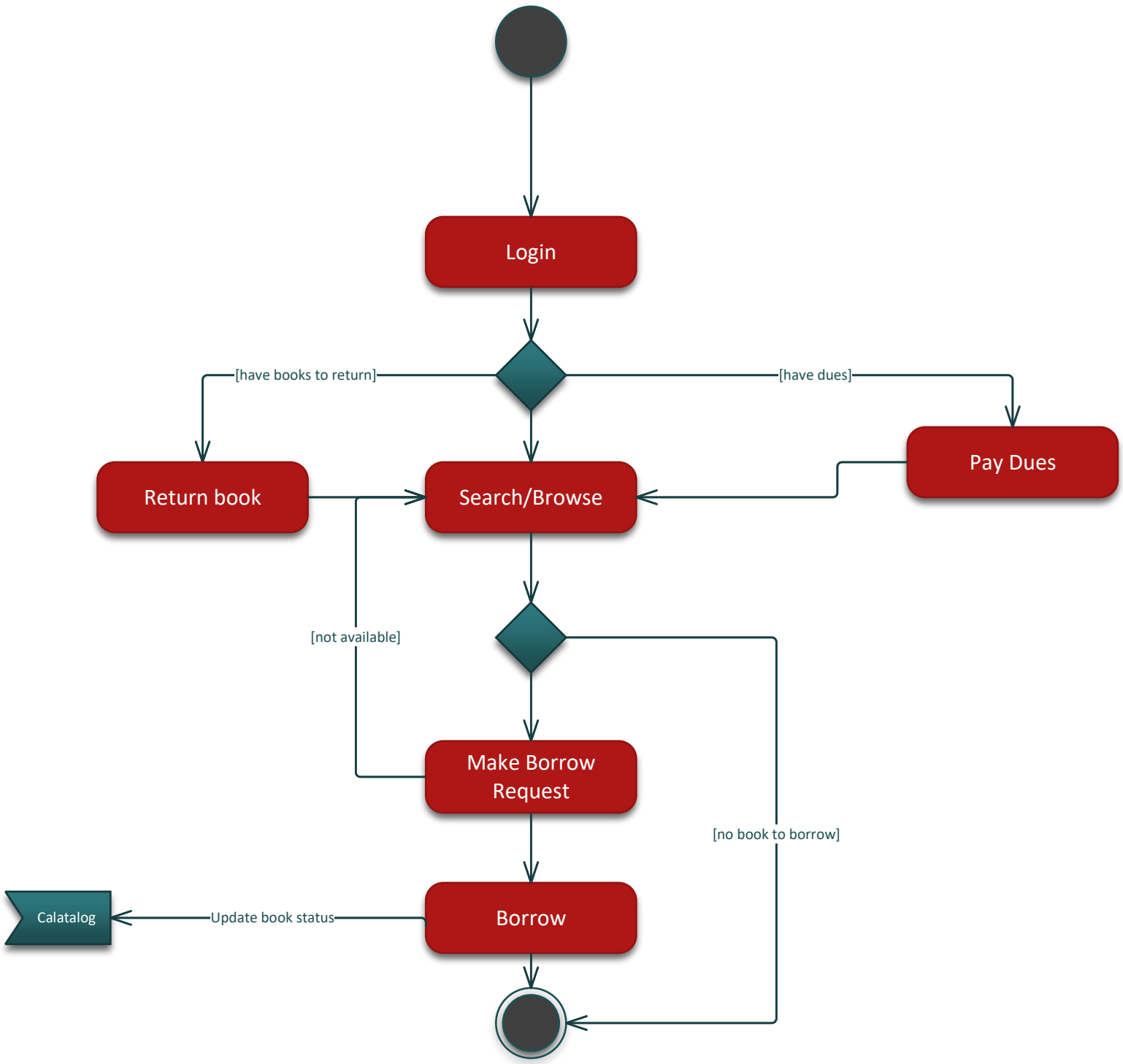


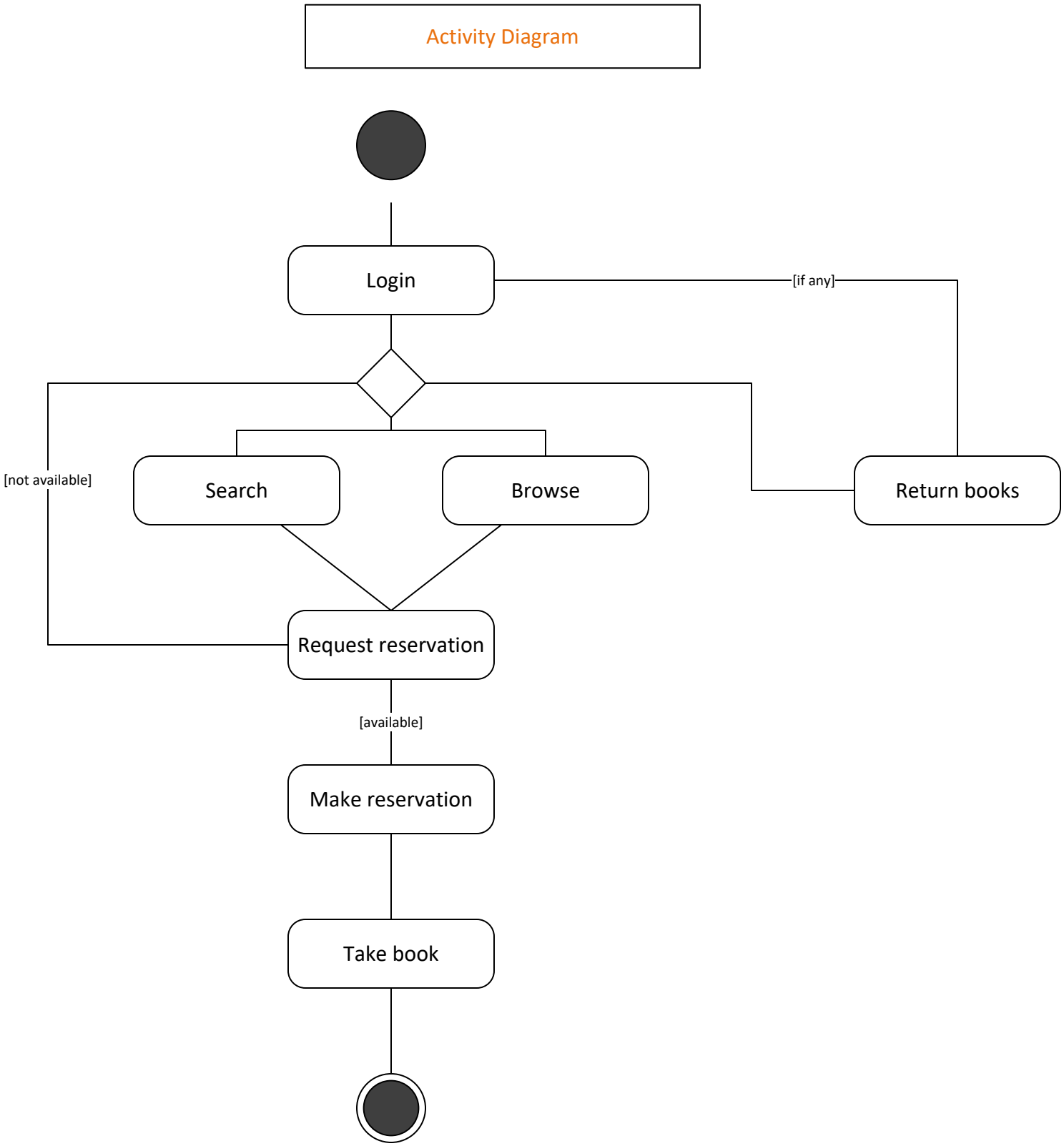
Use Case Diagram

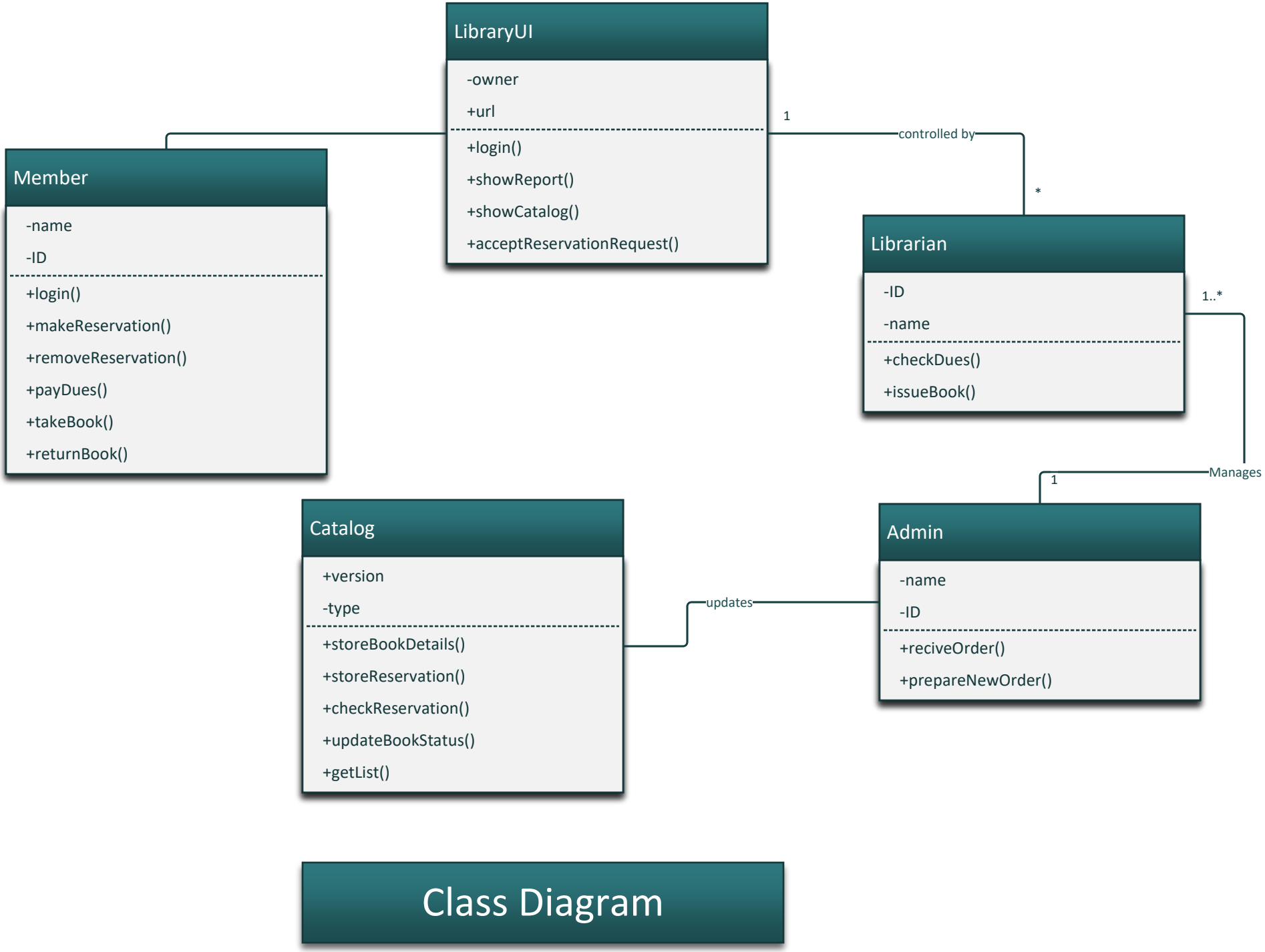


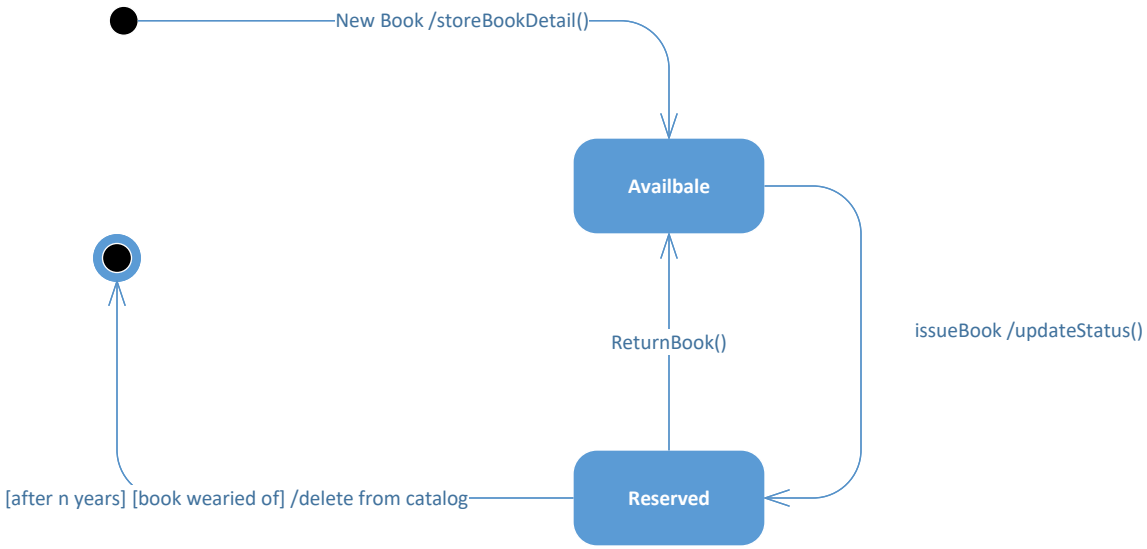
Sequence Diagram *of* Library



Activity Diagram


Activity Diagram
Login
[if any]
[not available]
Search
Browse
Return books
Request reservation
[available]
Make reservation
Take book


LibraryUI
-owner
+url
+login()
+showReport()
+showCatalog()
+acceptReservationRequest()
1
controlled by
*
Member
-name
-ID
+login()
+makeReservation()
+removeReservation()
+payDues()
+takeBook()
+returnBook()
Librarian
-ID
-name
+checkDues()
+issueBook()
1..*
Manages
1
Catalog
+version
-type
+storeBookDetails()
+storeReservation()
+checkReservation()
+updateBookStatus()
+getList()
updates
Admin
-name
-ID
+reciveOrder()
+prepareNewOrder()
Class Diagram



State Chart Diagram

Class: LibraryUI	
Responsibilities Show Report Show Catalog	**Collaborator** Librarian Member

Class: Librarian	
Responsibilities Keep catalog Check borrowing Check due fines	**Collaborator** Admin LibraryUI

Class: Catalog	
Responsibilities Store book Check Reservation Update book status	**Collaborator** Admin

Class: Member	
Responsibilities Borrow Return book Check due fines	**Collaborator** Librariy UI

Class: Admin	
Responsibilities Order recive New order check	**Collaborator** Librarian Catalog

CRC Card