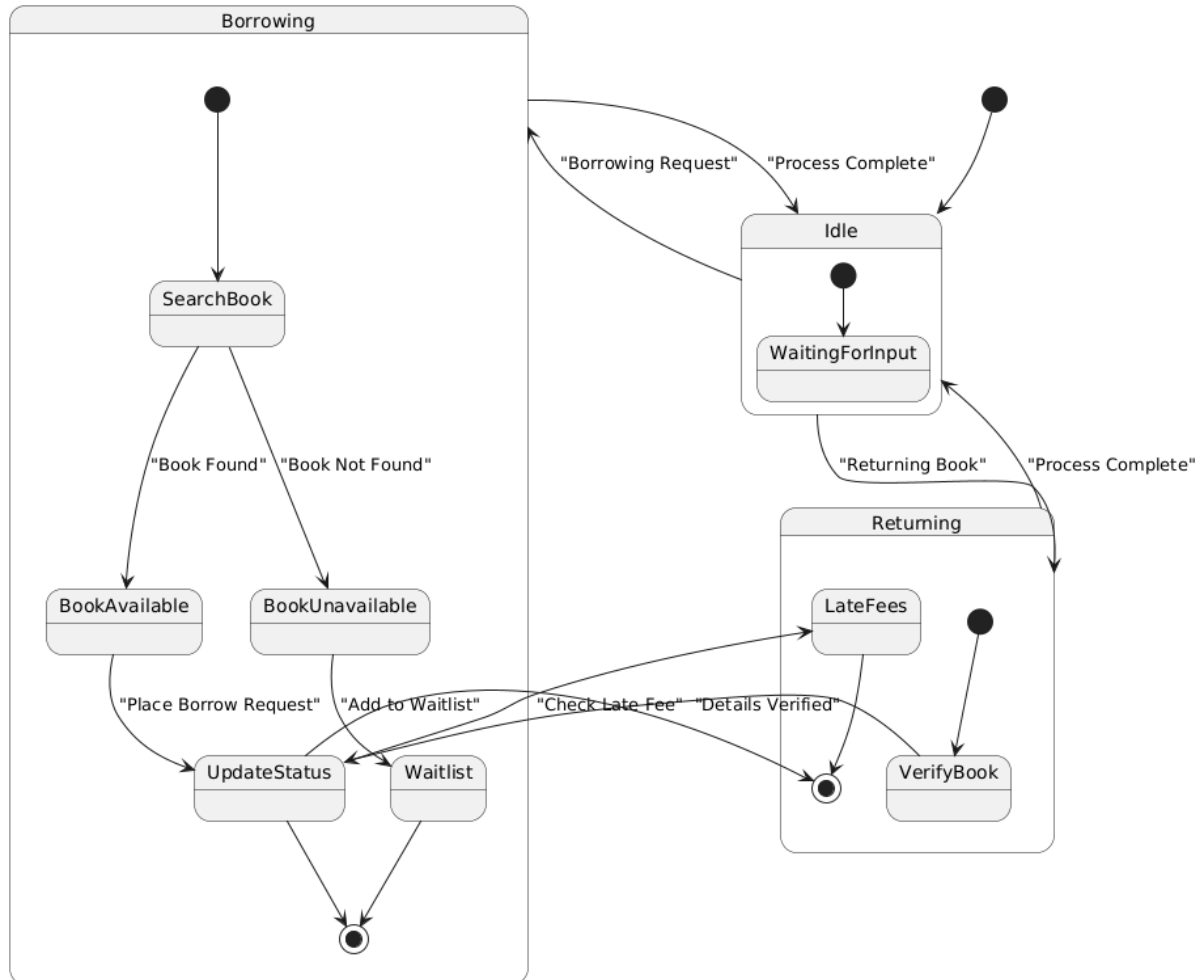


Library management system

State diagram :



[*] --> Idle

Idle --> Borrowing : "Borrowing Request"

Idle --> Returning : "Returning Book"

state Borrowing [

[*] --> SearchBook

SearchBook --> BookAvailable : "Book Found"

SearchBook --> BookUnavailable : "Book Not Found"

BookAvailable --> UpdateStatus : "Place Borrow Request"

UpdateStatus --> [*]

BookUnavailable --> Waitlist : "Add to Waitlist"

Waitlist --> [*]

]

state Returning [

[*] --> VerifyBook

VerifyBook --> UpdateStatus : "Details Verified"

UpdateStatus --> LateFees : "Check Late Fee"

LateFees --> [*]

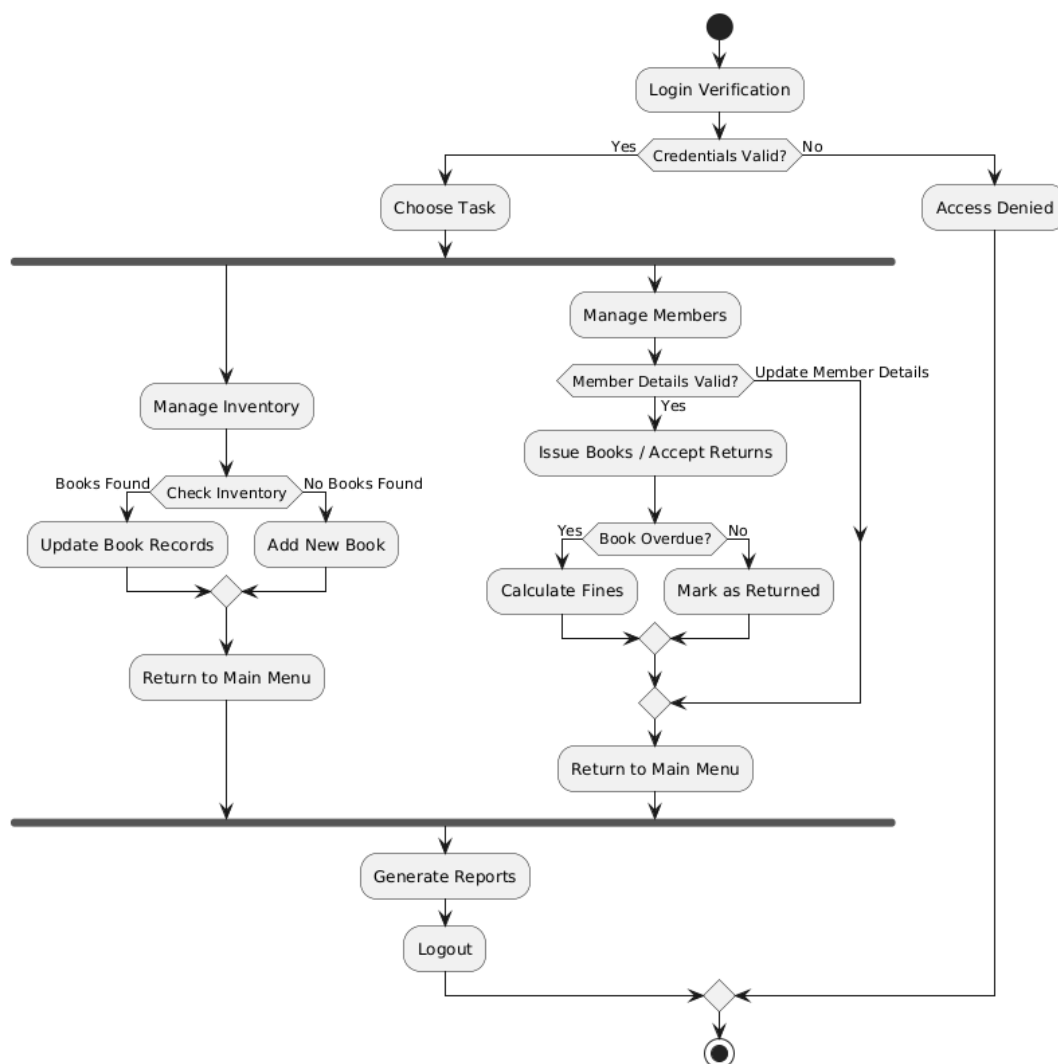
UpdateStatus --> [*]

]

Borrowing --> Idle : "Process Complete"

Returning --> Idle : "Process Complete"

Activity diagram:



Component diagram:

