StateMachine1::StatechartDiagram1

Available
do/DoActivity1display book for borrowing/reservation

cancel reservation()

reserve book(): [book available]

borrowBook(): [book available]

Reserved
do/hold book for member

borrowBook(): [member matches reservation]

boorowBook(): [same member]

Loaned
do/issue book
do/start loan period

returnBook()

repairBook(): [repair Successful]

checkCondition(): [book OK]

dueDatePasses(): [book not returned]

Overdue
do/calculate fine
do/loan period expired

returnBook()

Returned
do/update status
do/check damage

checkCondition(): [book damaged]

reportLost()

Lost
do/book reported missing or not returned

Damaged
do/mark for repair or removal or replacement

recordLoss()

repairBook(): [unrepairable]

Removed from system
do/book is deleted from inventory records