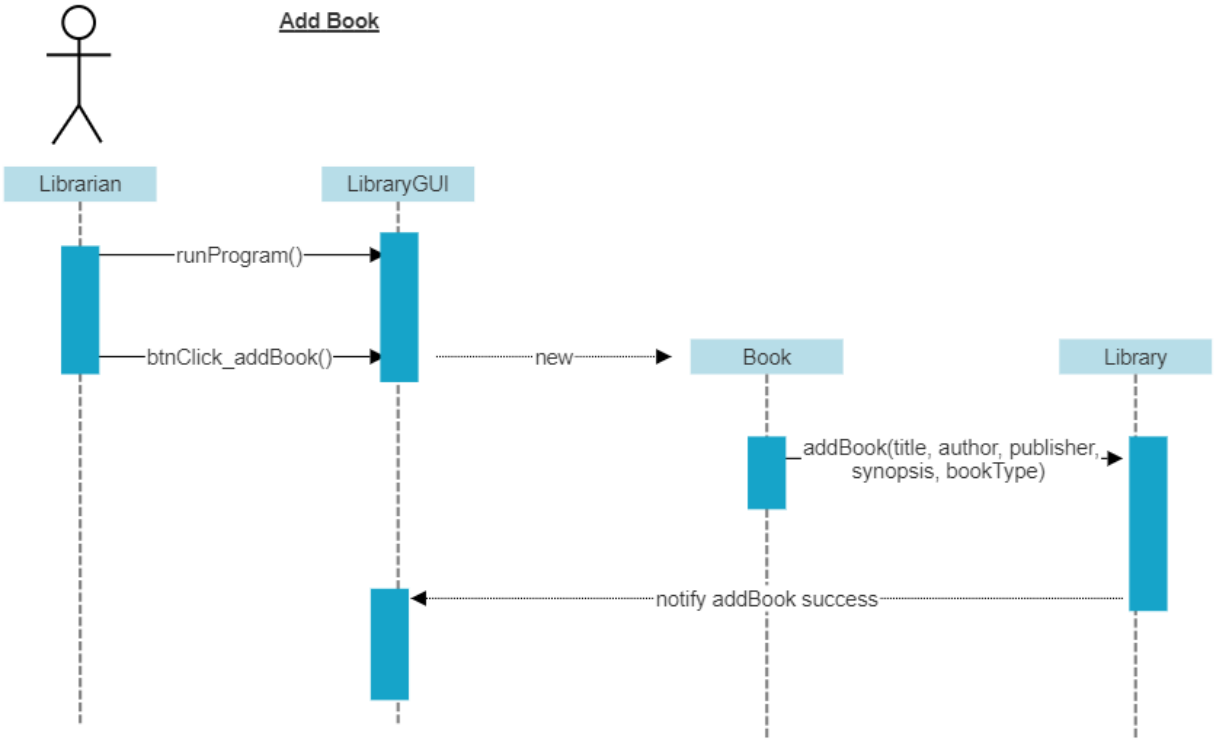
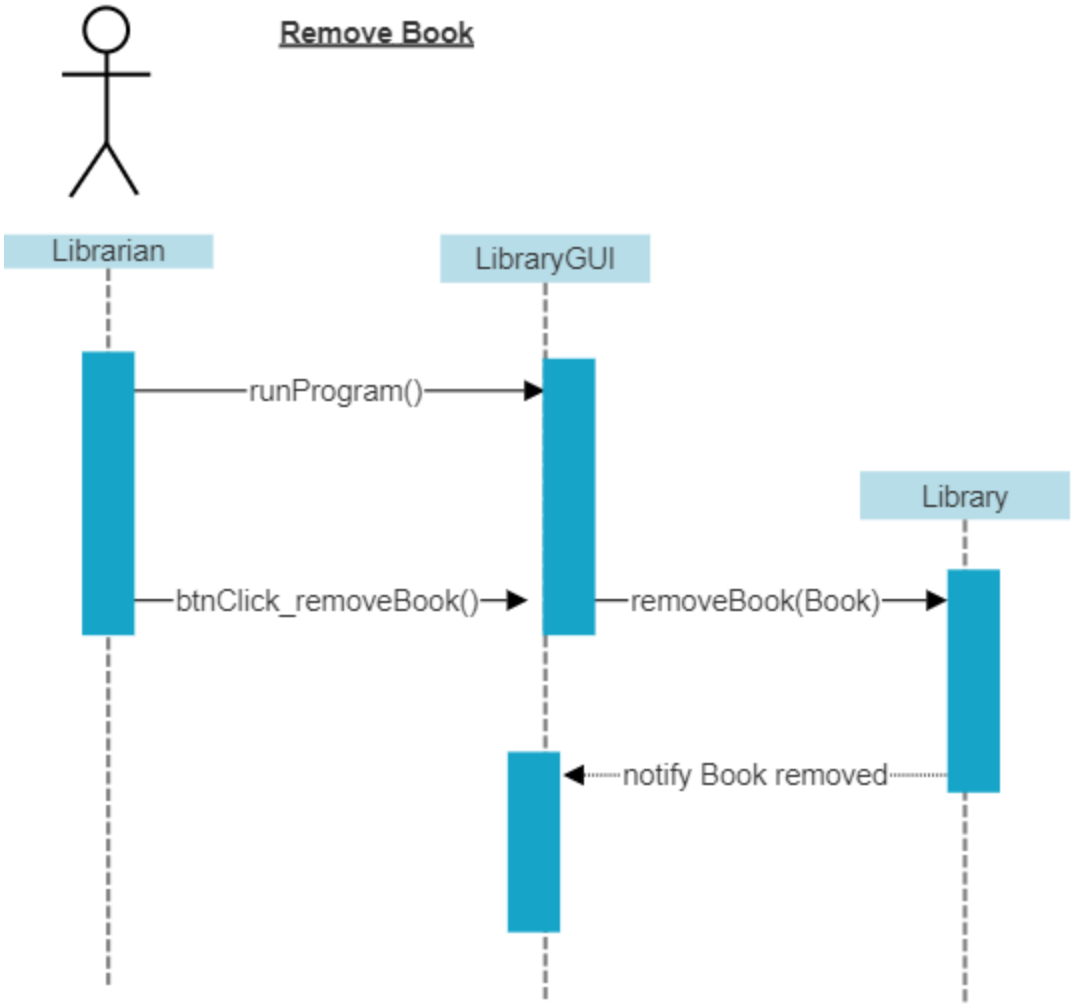
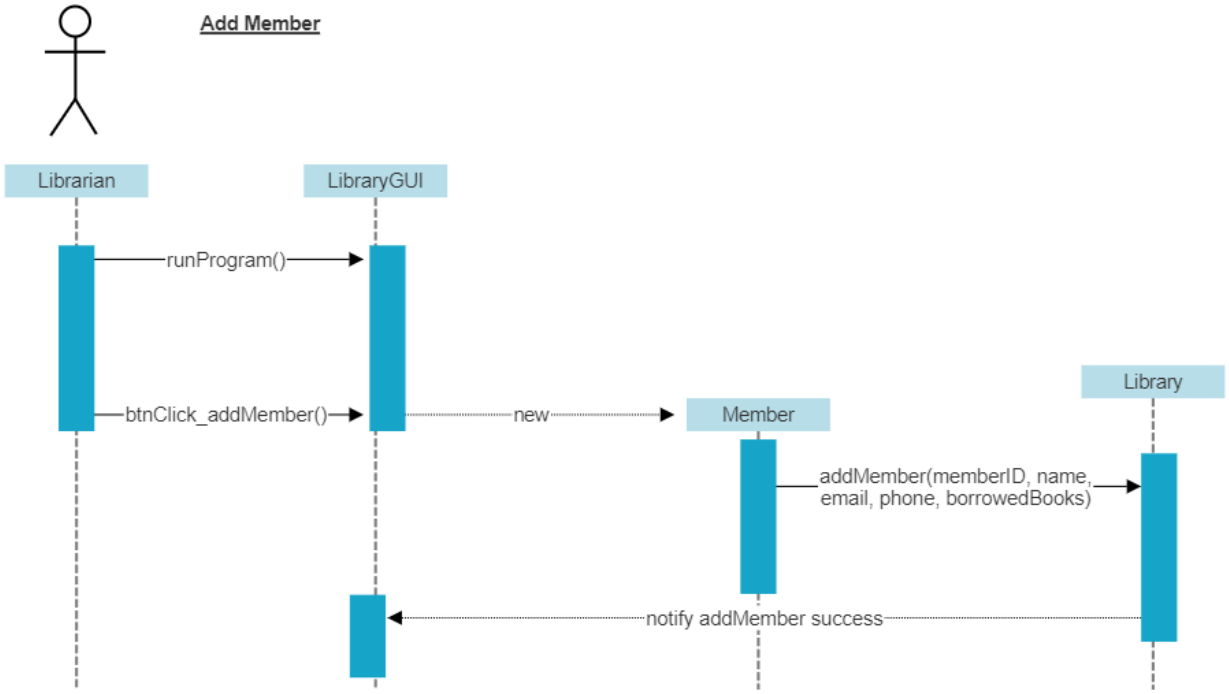
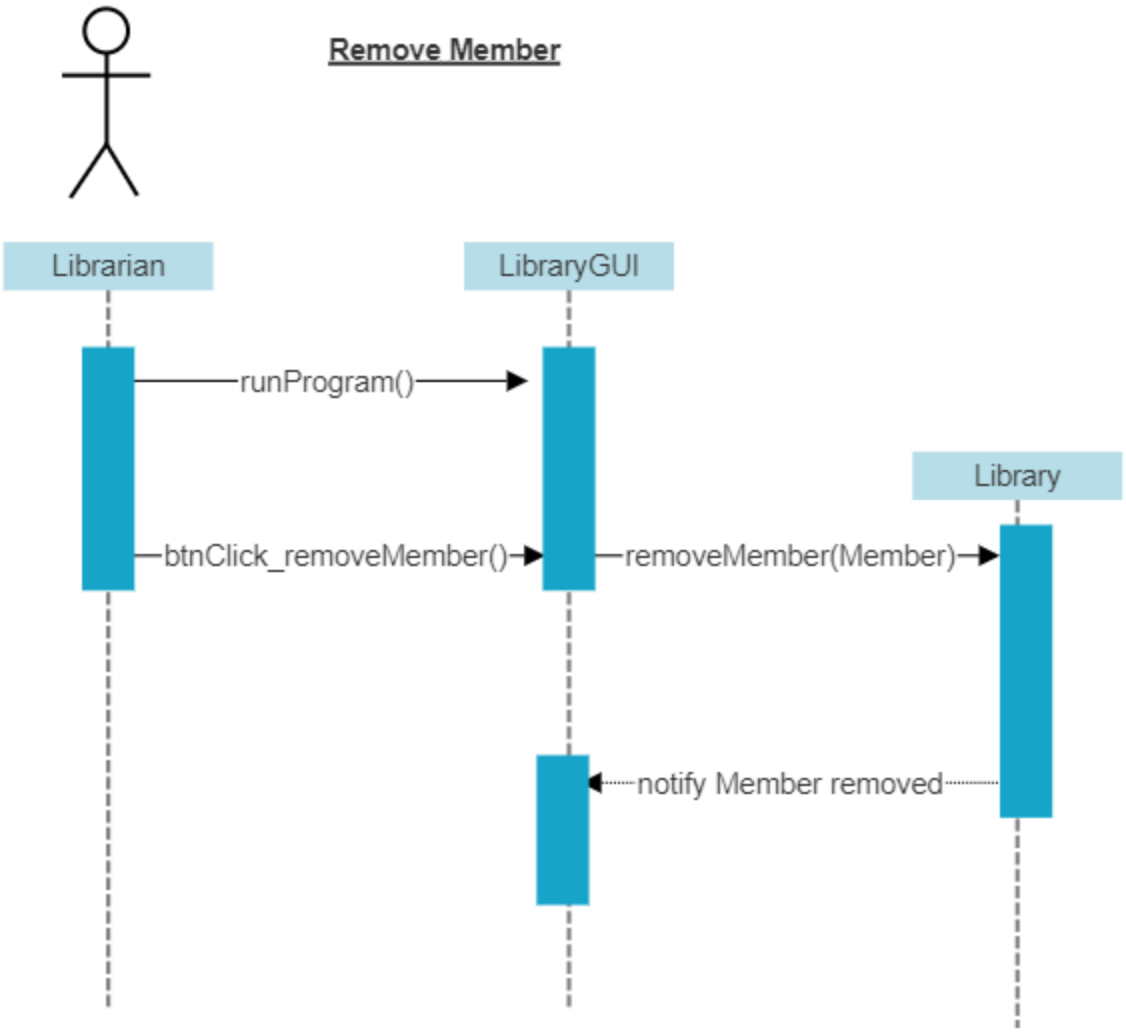
Sequence Diagrams:

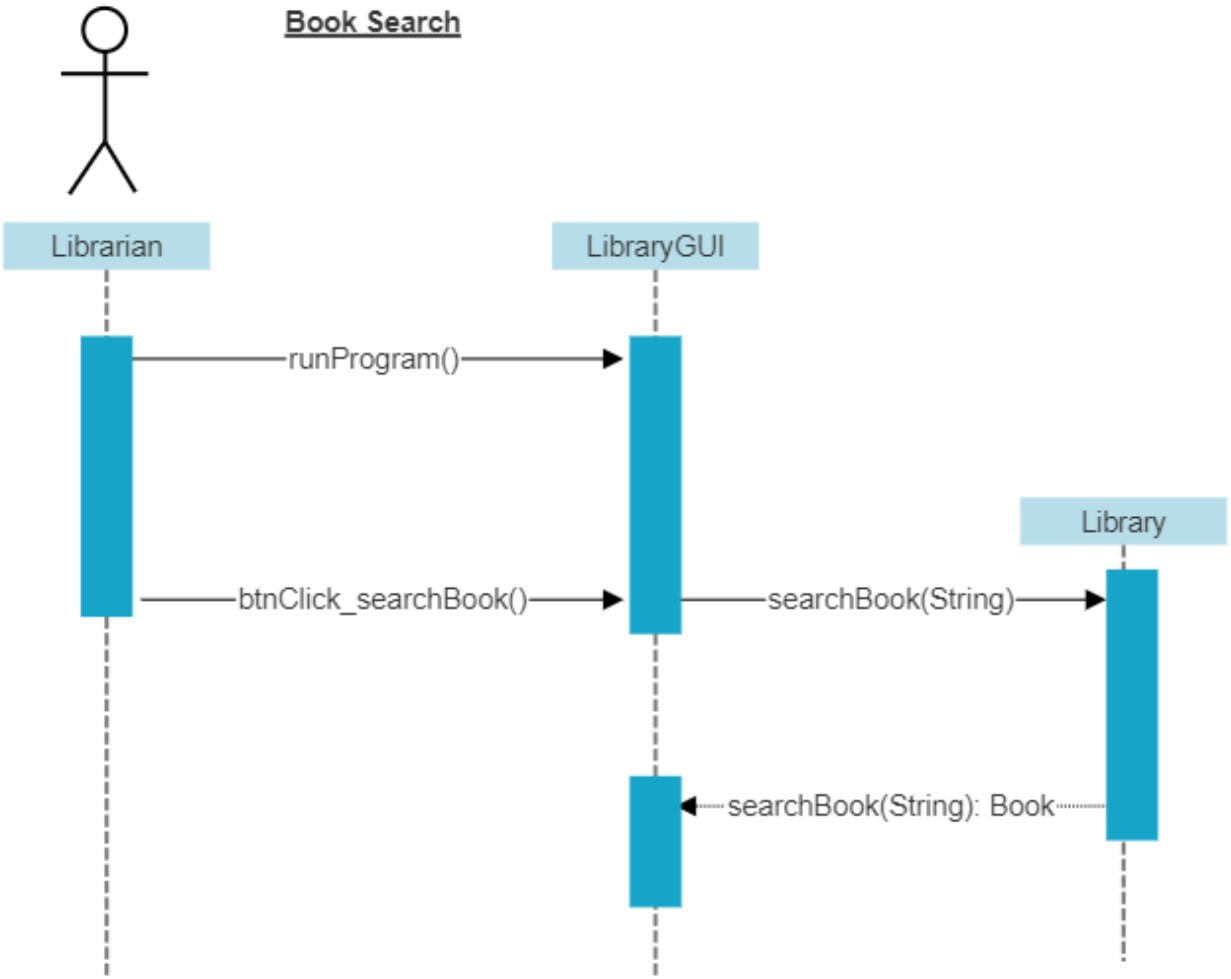


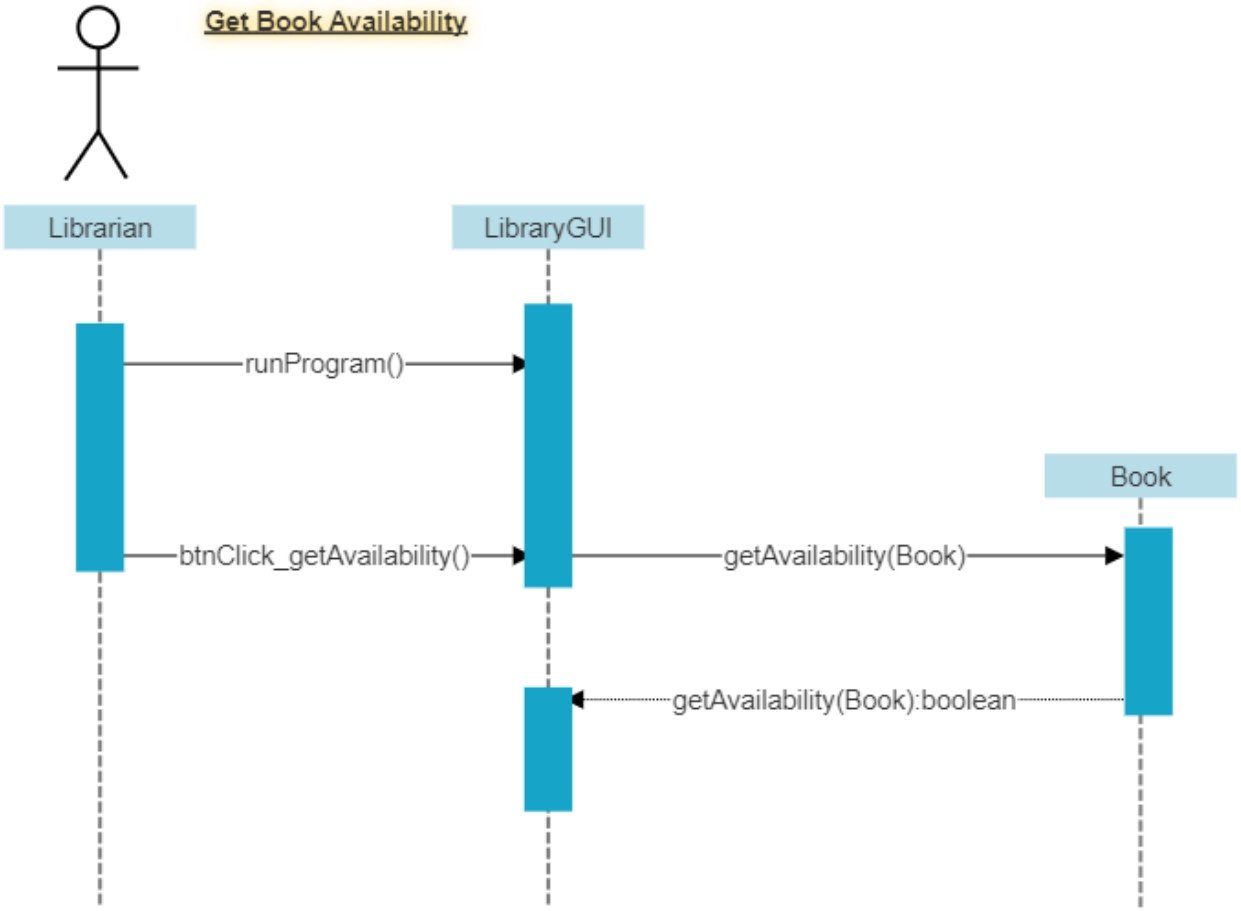

Remove Book
Librarian
LibraryGUI
Library
runProgram()
btnClick_removeBook()
removeBook(Book)
notify Book removed


Add Member
Librarian
LibraryGUI
runProgram()
btnClick_addMember()
new
Member
Library
addMember(memberID, name,
email, phone, borrowedBooks)
notify addMember success

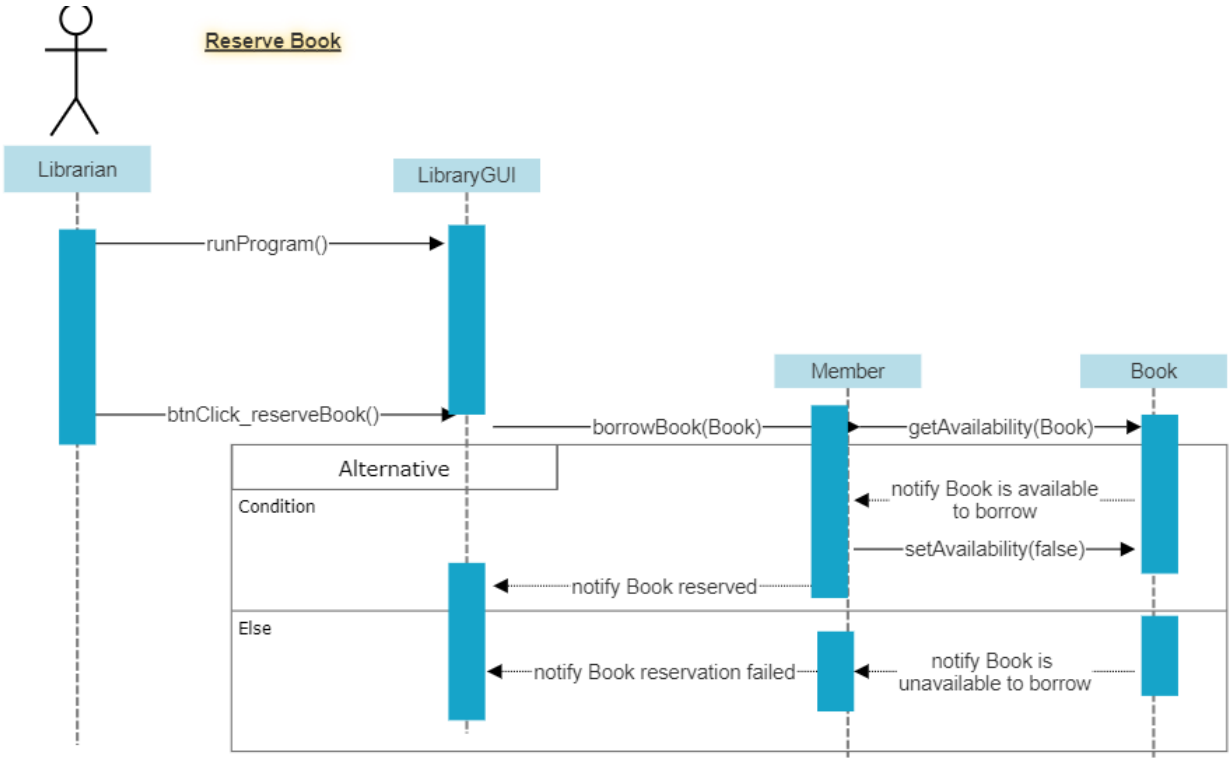
Remove Member



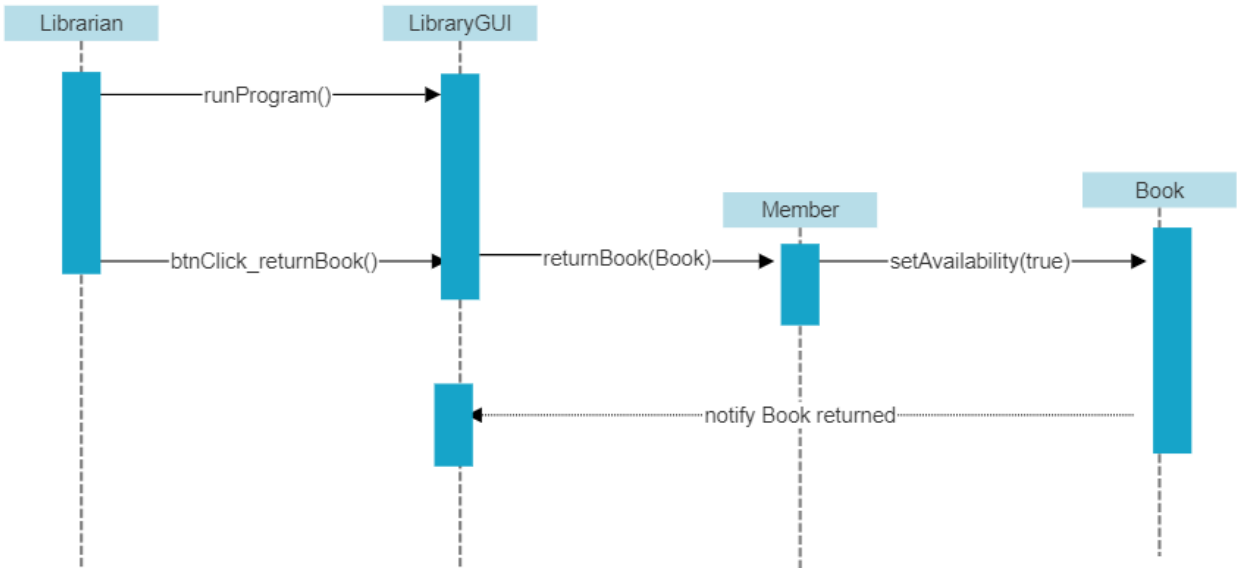
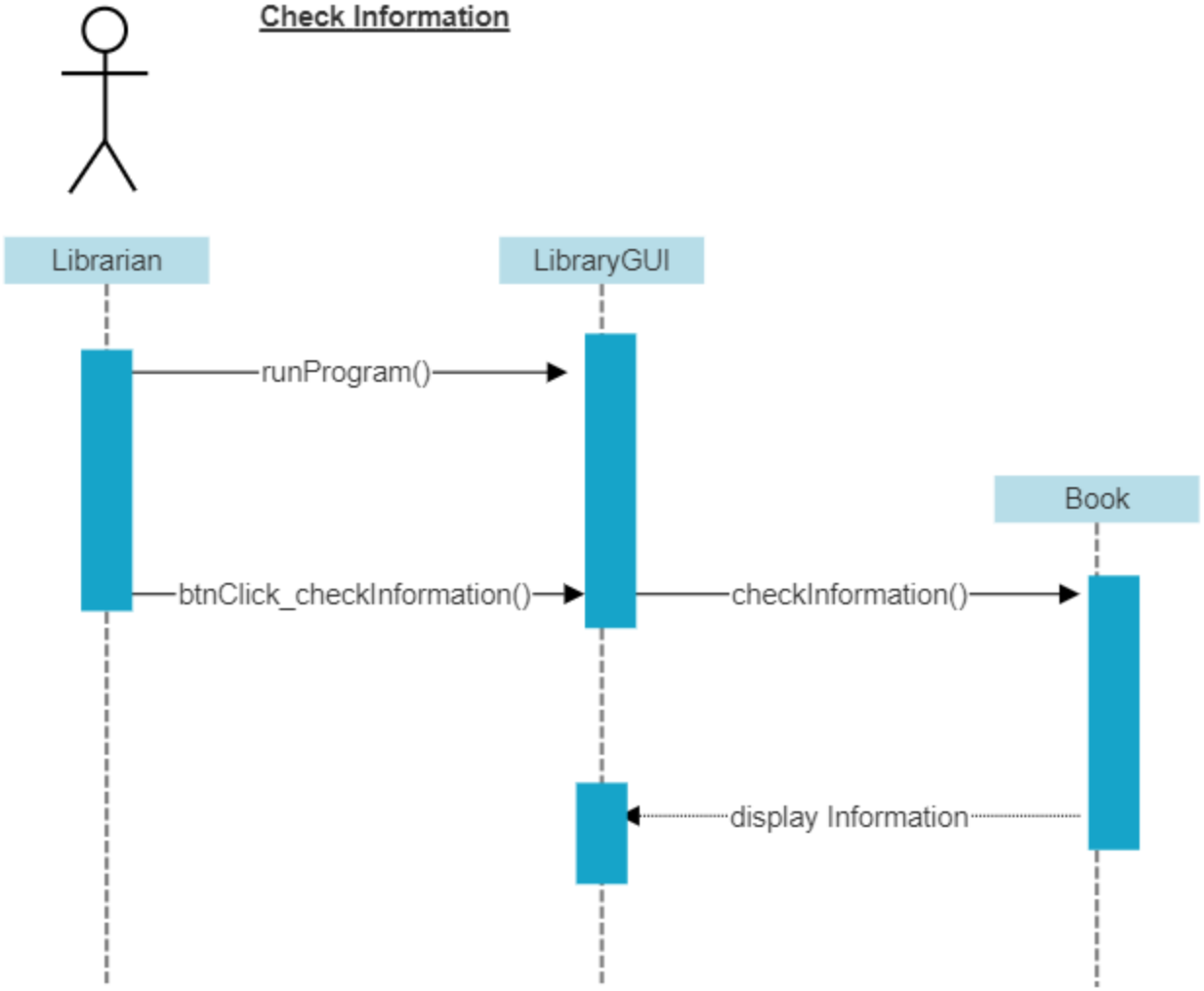

Book Search
Librarian
LibraryGUI
Library
runProgram()
btnClick_searchBook()
searchBook(String)
searchBook(String): Book


Get Book Availability
Librarian
LibraryGUI
Book
runProgram()
btnClick_getAvailability()
getAvailability(Book)
getAvailability(Book):boolean

Reserve Book



Book Return



Check Information