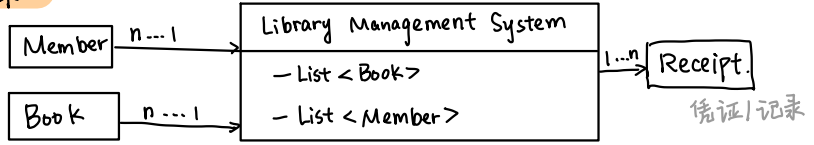




Design a library management system

Classification: Manage book collections (book status, checkout)
member relationships (user profile, subscriptions, reservations)

Core Objects:

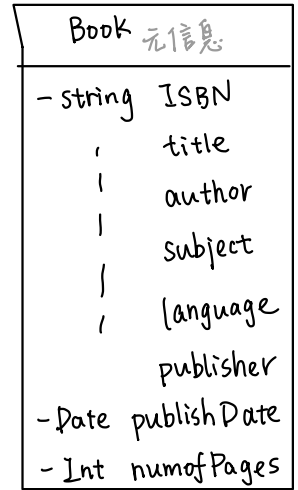
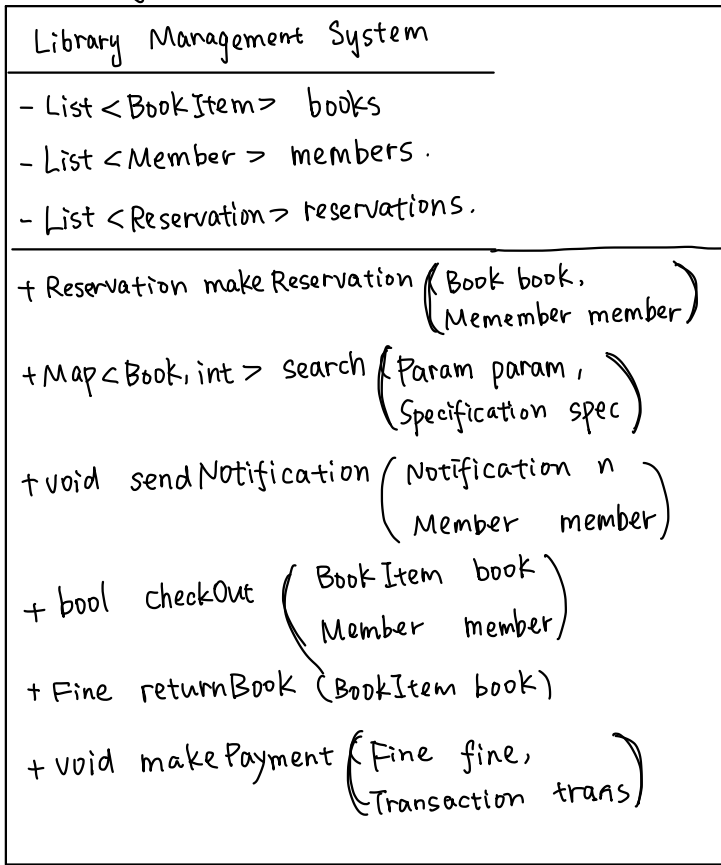


Use Cases:

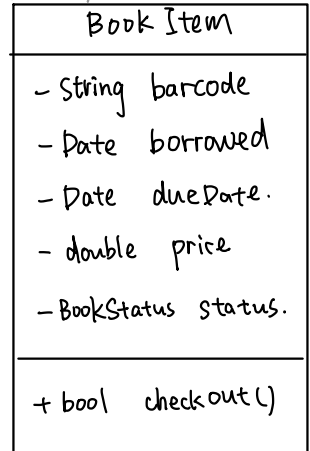
The system should:

- 1. reserve books for pickup
 - 2. reserve books that are not currently available.
 - 3. search books by title, author, subject, publication date
 - 4. look-up who checkout a book
what books are checked out
 - 5. send notification when a reserved book is available
 - 6. send notification when a book is overdue.
 - 7. checkout a book (using book barcode & member barcode)
 - 8. max limit on how many books one can checkout.
 - 9. charge a fine for overdue
- reserve 预约
- Serve 服务
- checkout 借閱

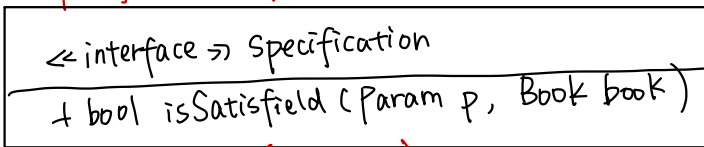
Class Diagram



副本信息 ↓



★ specification pattern [whether the incoming object meet the standard rule]



inheritance ↓

