# Class-Responsibility-Collaborator (CRC)

### Book

1. Represents individual books in the library’s collection.
2. Tracks details such as title, author, ISBN, and availability status.

### Member

1. Represents a library member who can borrow books.
2. Tracks the books they have borrowed and maintains borrowing history.

### Librarian

1. Manages the library collection by adding and removing books.
2. Views records of borrowed books and their borrowers.

### LibrarySystem

1. Oversees interactions between books, members, and librarians.
2. Ensures borrowing limits are enforced and records are properly maintained.

## Responsibilities

### Book

1. maintainBookDetails
2. updateAvailability

### Member

* borrowBook
* returnBookAndUpdateHistory

### Librarian

* addBookToCollection
* removeBookFromCollection
* viewAvailableAndBorrowedBooks

### LibrarySystem

* manageBorrowingProcess
* enforceBorrowingLimits
* trackBorrowedBooks

## Identify Collaborators

### Book

1. Member
2. LibrarySystem

### Member

1. Book
2. LibrarySystem

### Librarian

1. LibrarySystem
2. Book

### LibrarySystem

1. Book
2. Member
3. Librarian