

Library CRC Model System

Book	
Responsibilities	Collaborators
Store Book Details Update availability status when borrowed and returned.	Member Library System

Librarian	
Responsibilities	Collaborators
Add new books to the collection Remove books that are lost	Book Library System

Member	
Responsibilities	Collaborators
Borrow and Return Books Keep count of borrowed books (each member has a limit of 3)	Book Library System

Library System	
Responsibilities	Collaborators
Stores book inventory Allows Librarian to see Book Status & who has borrowed them	Book Librarian Member

Why each class is needed

- **Book** – Tracks book details and availability.
- **Member** – Manages borrowing and enforces limits.
- **Librarian** – Handles book additions, removals, and tracking.
- **Library System** – Oversees book collection and borrowing records.

Why each collaboration is needed

- **Book & Member:** To manage borrowing and check availability.
- **Book & Library System:** To track book status and availability.
- **Member & Library System:** To enforce borrowing limits and log transactions.
- **Librarian & Library System:** To update the book collection and records.
- **Library System & Member:** To ensure borrowing rules are followed and provide records.

References

These are online websites I used to further my understanding for this assignment.
As well as using lecture resources too.

<https://agilemodeling.com/artifacts/crcmodel.htm>