Business Rules we will implement to design the Public Library Computer System:

1. Any library member should be able to search books by their title, author, and subject category as well by the publication date.
2. Each book will have a unique identification number and other details including a rack number which will help to physically locate the book.
3. There could be more than one copy of a book, and library members should be able to check-out and reserve any copy. We will call each copy of a book, a book item.
4. The system should be able to retrieve information like who took a particular book or what are the books checked-out by a specific library member.
5. There should be a maximum limit (5) on how many books a member can check-out.
6. There should be a maximum limit (5) on how many days a member can keep a book.
7. Each book and member card will have a unique barcode. The system will be able to read barcodes from books and members’ library cards.