**Problem Statement**

The system to be built is a Library Management System. A Library for our definition is a collection of titles which can be borrowed and returned to the system. It is possible to have multiple copies of the same title available. The system is available only to registered users and there is a limit on the number of titles that a user can hold in any time period. If a user is holding a title it is no longer accessible to other users until returned.

The Manager of the system should be able to add and remove titles and see reports on the status of the available titles. Registered users should be able to see which titles are available for borrowing and which titles they already hold.

**Requirements/Key Features**

**User Side:**

|  |  |
| --- | --- |
| **Feature** | **Details** |
| Register as a system user | * no duplicate users allowed * password access |
| See available titles | * Title details and availability |
| Borrow a title |  |
| Return a title |  |
| See titles currently held and limit |  |
| Be added to a wait list for an unavailable title |  |

**Manager Side:**

|  |  |
| --- | --- |
| **Feature** | **Details** |
| Add and Remove titles |  |
| Generate report to list details of registered users | * Users details * Date Registered |
| Generate report to list details and status of titles | * Title Details * Status - Available, out, is there a wait list? |
|  |  |

**Priority**

**Release 1:**

Add/Remove Titles

Register User

See available titles

Borrow Title

Return title

Waitlist

**Release 2:**

See titles currently held and limit

Generate reports