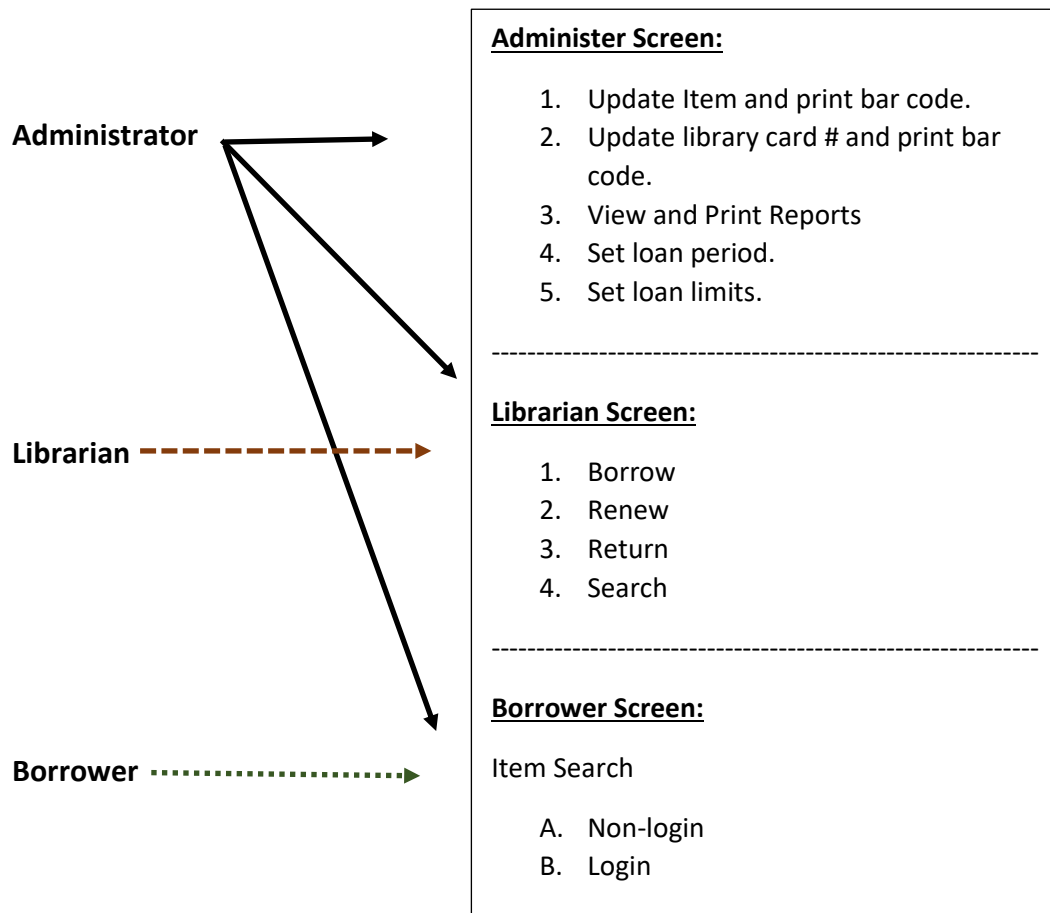


### PCBC Library Webpage Requirements:

Library roles: Different actor has their right and limits. "→" means to allow access those related functions.



### Data Requirements

1. All bar codes, all item categories, all item names, all borrower names must be aligned with the current Almega system.

**Functional Requirements:**

**(A) New Item update. (allow to edit)**

1. Chinese Name (if any)
2. English Name (if any)
3. Item Category
4. Item Code (system generated automatically?)
5. Book or AV
6. Language: (✓ into an appropriate box ☐ )
  - a. ☐ Chinese
  - b. ☐ English
  - c. ☐ Chinese and English
  - d. ☐ Greek
  - e. ☐ Hebrews
  - f. ☐ Others \_\_\_\_\_ (allow to type)
7. Author(s)
8. Publisher
9. ISBN
10. Purchase Date
11. **Bar code Print out:** (1) & (4), or (2) & (4)

**(B) New Card update. (allow to edit)**

1. Chinese Name (if any)
2. English Name (if any)
3. Male or Female
4. Card number (system generated automatically?)
5. Member or Non-member
6. **Bar code Print out:** (1), (2), (3)

**(C) Period of loan: 3 weeks. (Allow to edit a loan's period)**

1. Accept to renew

**(D) Borrowing and renewing limits. (Allow to edit)**

- a. Book: 3
- b. AV: 2

**(E) Usage Status Report Analysis. (Allow to print out, or and export to Excel)**

1. Borrower: Outcome: understand borrower's preferences
  - i. Any due item
  - ii. View: Item code and item name
  - iii. Allow to access and report at any period: DD/MM/Year
2. Item: Outcome: understand most favorite items
  - i. Any due item not yet return.
  - ii. View: Borrower's name, card #, item code, item name
  - iii. Allow to access and report at any period: DD/MM/Year

3. Inventory / Stock take: Allow to access and report at any period: DD/MM/Year
  - a. Item Category
    - i. Item Code
    - ii. Item's name
    - iii. Check box
  - b. Non-return Items
    - iv. Borrower
    - v. Item Code
    - vi. Item's name
    - vii. Check box

### **Roles**

**Administrator:** Use an administrator login and password. Invalid if trial 5 times, then the screen should be locked out. (Need to discuss a rescue method with a software engineer)

1. Has right to access and operate the section of the Functional Requirements, Librarian Interface, Borrower Interface, and non-functional requirements.

**Librarian Interface on Screen:** Use a librarian login and password. Invalid if trial 5 times, then the screen should be locked out. (Need to discuss a rescue method with a software engineer)

Either use option 1 or 2 for entering a library process. (Scan or Type)

### **Screen 1: Login: (Scan)**

1. Use Item Code
 

\*(An user may forget to bring his or her own library card. The system can allow to use an item code for continuing operation, such as borrowing, renewing, or return. The related library card number can be shown.)
2. Use User Card Number for accessing operation.

### **Screen 2: Operation:**

**User Name: (Chinese Name) (English Name)**

**Card number:** \_\_\_\_\_

Item name shown (max 5 items)	Item code	Status		
		<div>Borrow</div>	<div>Renew</div>	<div>Return</div>
		Date	Date	Date

### **Recall Item Alert:**

**Item Name**                      **Item Code**

**Screen 3: Search: availability**

- a. Item name
- b. Author
- c. Item category: (by clicking category field)
- d. Publisher
- e. Item status: Available / Not available → then click RESERVE
- f. Reserve
  - i. User card number

**Borrower Interface: Item Search**

1. General search function
  - a. Item name
  - b. Item category
  - c. Author
  - d. Availability
2. User login by card number and password (Invalid 5 times trial). (How to reset password?)
  - a. Loan history
  - b. Due item
  - c. Renew loan item. (If the item is reserved, not allow to renew and must be returned)
  - d. Reserve item. (Must contact a library administrator)
  - e. Recall Item alert

**Non-functional Requirements:**

- (1) For borrower interface, can allow to choose the language: Chinese or English.
- (2) For administrator or librarian interface: it is ok to show English only. But it should be allowed to type or write Chinese too.
- (3) Can use the existing bar-code scanner.