User:

Register

Log in(username and password)

After login:

Update profile, then update the database

Check available books:

Borrow books

Check borrowed books: then

Return books, update the return book table when done, delete borrow book table

Log out

Manager:

Log in

After log in:

Check information:

book information, borrowed book information, returned book information

manage book:

add more books, search book

manage user:

add user

delete user

search user

//update user information, not necessary, can just delete and add new reader

database:

user table

book table

borrow books table

return books table

book table:

|  |  |  |  |
| --- | --- | --- | --- |
| id | varchar | Primary key | Book id |
| bookid | varchar |  | ISBN |
| name | char |  | name |
| author | char |  |  |
| publisher | char |  |  |
| comment | varchar |  |  |
| img | varchar |  | image |

User table:

|  |  |  |  |
| --- | --- | --- | --- |
| id | char | Primary key | User id |
| user | char |  | username |
| name | char |  | Real name |
| password | varchar |  |  |
| sex | char |  |  |
| phone | varchar |  |  |

Borrow book table:

|  |  |  |  |
| --- | --- | --- | --- |
| Bid | varchar | Primary key | Borrow id |
| Bname | char |  | User name |
| Bookid | char |  | isbn |
| bookname | char |  |  |
| bookauthor | char |  |  |
| nowtime | varchar |  | Borrow time |

Return book table:

|  |  |  |  |
| --- | --- | --- | --- |
| id | varchar | Primary key | Return id |
| Bname | char |  | User name |
| Bookid | char |  | ISBN |
| bookname | char |  |  |
| bookauthor | char |  |  |
| nowtime | varchar |  |  |

Register:

Rules: 6 digits for user name and 11 digits for phone number, new user needs to register first

After register, can login’

Admin login:name: 888888---password123456

Report Submission Guideline

**The report must include\*:**

• Title page (must include the title of the project, group

members’ information)

• Table of content

• Acknowledgement

• Introduction

• Objectives

• Project Requirements

• Tools and Components (must include a description of

android components used to develop the project.)

• Project Development (must include major

steps/description of project development with necessary

screenshots (may contain design/Java codes))

• User manual (must consist of required screenshots).

• Conclusion, Limitations and Future scopes.

• GitHub link of the project

\*You can include any other section in between if needed.

**Format Guideline:**

Font: Times New Roman, Size: 12

Line Space: 1.5, Alignment: Justify

Margin: 2.5cm/ 1in (all around)