

Library Management

Description:

A library typically manages books and members. Books are added or removed or updated because of being miswritten or borrowed.

People can sign up in the library and log in library, or leave the library or update private information or borrow and return or prolong a book and check a return date, if they have the account.

List:

| Function | Input | Output |
|-------------------------------|---|---|
| Make root number | 4-digits-number | The number will be saved. |
| Enter system in root | 4-digits-number | If root number is same, manager can use utility for manager. |
| Sign or add book informations | Serial number, Book name, writer, amount, publisher | The book informations will be saved, if serial number is not duplicated. |
| Remove book informations | Serial number | The informations of the book which has the serial number will be removed. |
| Update book informations | Serial number, An information to be updated. | If serial number exists, the information will be updated. |
| Search a book | A book name | If exists, the book information will be displayed. |
| Display Memberships | | All Membership informations will be displayed |
| Display books | | All books' informations will be displayed. |
| Sign up a Membership ID | Name, Phone number, Location, Available number of borrowing books, ID, Password to use the library. | These informations will be saved, if ID, phone number are unique. |
| Leave a Membership ID | ID, Password, Phone number | If true, Membership informations will be removed. |
| Log in the library | ID, Password | If true, an user can use library. |
| Log out the library | Log out button | An user stop to use the library. |
| Update Membership information | ID, Password | If true, user can update user's own informations |
| Borrow a book | Book name | If exist, user can borrow book during 14days |
| Check return date | Serial number that user borrowed a book | If true, user can check the return date. |
| Prolong return date | Serial number that user borrowed a book | user can prolong the return date. |
| Check borrowed books | borrowed books' list | The books' return dates will be displayed. |
| Return borrowed books | serial number | If true, the book will be returned. |
| Send a message to members | contents to be written | The contents will be sent to members |
| Send a message to manager | contents to be written | The contents will be sent to manager |