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Library Management System

Bina Nusantara Library, a library management app that helps its user to borrow-return book and keep track of borrowed books. The application's menu will have 5 options, which are :

```
Bina Nusantara Library
=====
1. Log In
2. Borrow Book
3. Return Book
4. View Borrowed Book
5. Exit/Log Out
>>
```

LOG IN

In order to use this application, user must first log in to the app which can be accessed in the first option of the menu.

```
Bina Nusantara Library
=====
1. Log In
2. Borrow Book
3. Return Book
4. View Borrowed Book
5. Exit/Log Out
>>2
Please Log In First!
=====
```

```
Bina Nusantara Library
=====
1. Log In
2. Borrow Book
3. Return Book
4. View Borrowed Book
5. Exit/Log Out
>>1
Log In
=====
Enter Student ID : |
```

Student will be prompt to input their student id. If their student id is not registered, they will be asked to register to the application.

```
Log In
=====
Enter Student ID : 2540119280
Student ID is not registered
Do you want to register?
1. Yes
2. No
>>1
Enter Student ID :
```

Student ID and password is then required in this registration process. Once the registration process is completed, user must re-login to confirm their credentials.

```
Enter Student ID : 2540119280
Enter Password :
12345
Successfully Registered
Please Re-Login
```

```
Log In
=====
Enter Student ID : 2540119280
Enter Password :
123
Wrong Password!
```

*Password need to match the correspond student id.

```
Log In
=====
Enter Student ID : 2540119280
Enter Password :
12345
Welcome!
=====
```

Once user logged in, they can then use the application to borrow-return books and view borrowed books.

BORROW BOOK

If user manage to borrow books, they will need to choose menu number 2 and choose which book they want.

```
Available Books
=====
1. A Tale of Two Cities (BI001)
2. The Lord of the Rings (BI002)
3. The Little Prince(BI003)
4. And Then There Were None (BI004)
5. The Hobbit (BI005)
Press 0 to back
>> 1
Thank You!
=====
```

*In this case, let's choose book number 1

When a book is borrowed, it will be removed from the available list

```
Available Books
=====
1. The Lord of the Rings (BI002)
2. The Little Prince(BI003)
3. And Then There Were None (BI004)
4. The Hobbit (BI005)
Press 0 to back
>>
```

VIEW BOOK

Once books is borrowed, we can then view our borrowed books in menu number 4

```
Borrowed Books
=====
1: A Tale of Two Cities (BI001)
=====
```

If the user has no borrowed books, the view will be like this

```
Borrowed Books
=====
No Borrowed Books
=====
```

RETURN BOOK

If user want to return their borrowed books, they can just choose menu number 3 and enter their borrowed book's ID.

```
Return Book
=====
Enter Book ID (Press 0 to back): BI001
Book has been returned!
Thank You!
=====
```

If the user enter an invalid book ID, it will show that the book ID is invalid.

```
Return Book
=====
Enter Book ID (Press 0 to back): BI003
Invalid Book ID!
=====
```

Once a book is returned, it will be added back to the available book list.

```
Available Books
=====
1. The Lord of the Rings (BI002)
2. The Little Prince(BI003)
3. And Then There Were None (BI004)
4. The Hobbit (BI005)
5. A Tale of Two Cities (BI001)
Press 0 to back
>>
```

Once the user has done using this app, they can just choose menu number 5 to exit and log out.