**Elaborated:**

* The **Management System** will can be signed up by **students**, **faculties**, **library** and **Registrar’s office** staff members. The students will need their student ID and IUB email address to be verified. The rest will be verified by their Faculty or Staff ID and email address.
* Using our **Management System**, the **staff** from the **Registrar’s office** or **faculties** can login online and post notices in this **online notice board**.
* The **Library staff** can login and add new **books**, see which books (and which copies) are available and withdrawn and overdue, and request for new copies of lost books.
* The **students** will receive notifications of new **notices**, and **book withdrawn,** due back period, and if book is overdue, and fined amount by email. They can also log in and comment and rate books and get suggestions of similar books which students with similar courses have taken.
* There will be certain set of permissions, the Library staff account can add, remove, delete and view all books available and on loan, and also the fined amount, and can verify student’s accounts if required and adjust fines.
* The Registrar’s office staff or faculties accounts’ can add notice, delete notice, schedule workshops, and exam dates online.
* The students can view books, and notices and see which books they borrowed and due date, and fined amount if any. They can also see what similar books students took and comment on those.
* There is also email verification and confirmation where appropriate (loaning books, creating account, due date, overdue).
* It can remain complete records of a file; it can be a documents, registers, books of any type etc.
* It can be appended while got any new arrivals.
* All of the user can find the way through the database and locate a document of their choice.
* A non-member or member can search a book without consulting library staff in a network environment, where in several PCs of different department which are connected.
* It has huge search facilities along with point search facility where, an exacting item/string in a given field of a specified period may be search at finger tips.
* Presented records can be edited only by an allowed person.
* Authorized person/administrator they can change the password at any time to prevent people who want to hack the password.
* New members can only be registered by the library administrator or certified person.
* Member's photograph and signature can be integrated and may be confirmed at the time of issuing any paper.
* The software can give the subsequent information at finger tips:
* The software will store the Issue or return records of any file.
* Then it also store the Issue or return records of a member.
* Details of all papers issued from the library on time.
* These will make the activities for our major stakeholders – faculties, Registrar’s office staff, Library staff, and students – quite streamlined, efficient, rapid, flexible and smooth , automating the entire process, requiring less manual work.

In our model, the Staff consists of the Library Staff, the Registrar’s Office Staff and the Faculty.

\*^fix in rich pic

Sign Up for Account Process:

1. The Student or Staff goes to Site.
2. They navigate to the Sign Up page.
3. They put their personal details and University ID.
4. Verification email and SMS sent.
5. Confirmation of Staff account by Registrar’s Office Staff.
6. Signed Up.

Sign In to Account Process:

1. The Student or Staff goes to Site.
2. They navigate to the Sign In page.
3. They put their University ID and Password.
4. Signed In.

All Signed In User can:

1. View Notices on the Notice Board.
2. View Books available in the Library.
3. View Books they have Withdrawn.
4. View Due Date of returning Books.
5. View Fined Amount for Late Returning.
6. View Similar Books (people from similar Department also read)
7. View Ratings on Books.
8. View Comments on Books.
9. Add Comments on Books.
10. Give Ratings to Book.

All Staff Accounts can:

1. Add Notice to Message Board.
2. Delete Notice from Message Board.
3. Update Notice from Message Board.

Library Staff Accounts can:

1. Add Books to Library.
2. Remove Books from Library.
3. Update editions of Books in Library.
4. See list of Books Withdrawn by all Library Users.
5. See list of Books Withdrawn by a specific Library User.
6. See list of Overdue Books.
7. See list of Overdue Books by a specific Library User.
8. See Fined Amount on Books Overdue.
9. Verify Withdrawal and Return of Books and Fined Amount.
10. Verify Library Account.
11. Delete or Block Library Account.

Registrar’s Office Staff Account can:

A) Verify Online Account.

B) Delete or Block Online Account.

All User Accounts:

1. Will receive E-mail Notifications for Notices or Library Updates.
2. Can change their Personal Details, Account Information and Password.

Non Authenticated Users:

Cannot get access to any of these facilities.