

**Object-Oriented Programming**

**Edison Lascano PhD**

**NRC:4680**

**BOOKIFY**

**TEAM MEMBERS**

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**TEAM 06 Codex ++**

**TOPIC: Bookify**

**LEADER: JUAN DIEGO QUIMBIULCO**

**Client:Angela Paladines (librarian)**

**BooKify prototype**

We propose to create a system to administrate a library

We consider the following key elements that our system:

* account management
* a blacklist of users who did not return or returned damaged books
* filters to search for books
* rental of movies, music discs and more added
* payment of fines for book damage

**Interview questions**

* **¿Do you think the system will help the users in a positive way, and why?**

Yes, of course, it will affect in a positive way, since we will obtain more accurate information about the books and is gonna be helpfull to manage all the products in the library and the information that is handled.

* **¿In your opinion, what would be the biggest problem that our application should solve?**

Probably the way the books are gonna be inserted on the system and having a place to save all the information,or using a way just to borrow the books just by using your phone.

* **what kind of things would you like the app to do?**

The application should allow people through an interface to act as a google search engine, that is, by using keywords or themes, authors or years, allowing the user to find the exact address of his book as well as allowing him to do the paperwork for be able to get it out of the library quickly and easily.

* **What kind of people are the ones who use the library the most?**

The most common users are university students, mainly history or law students.

* **What is the most frequent topic to consult?**

They are mostly students who consult historical and science topics

* **What are the registration parameters to access the benefits of the library?**

The requirements are that users allow access to their personal data in case of loss of texts or damage to them, for replacement if this occurs.

* **Do you think it would be a good idea to have a repository of virtual books?**

It depends because although it would help to make them more accessible as there is no limit to their quantity, this would also make the library lose its essence.

* **Should the app have a way to monetize?**

No, because I am in favor of the fact that books should be accessible to everyone regardless of their economic situation, what would seem interesting to me would be a donations section that would be destined for the payment of personnel and physical maintenance of the library.

Requirements

* The system shall show a list with the names, id, and detailed information of the users of library.
* The system shall show a list with the names, id, and detailed information of the users of library that broke or damage the books or other rental products.
* The system shall have a filter to search the books using gender, keywords, author, year of publication, editorial, number of pages, ranking.
* The system shall can register a new users.
* The system shall receive donations to give maintenance to the library.
* The system shall have repository of virtual books apart from the not virtual books
* The system shall have an attractive User interface (UI) design.