

# [Version 1.5] UI PROTOTYPE *for* wellib

Presented by :  
**Group 9 - The Hand (21CLC10)**

Project Name:  
**Wellib**

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## **Group 9 - The Hand**

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### **Wellib UI Prototype**

**Version 1.5**

Wellib	Version: 1.5
UI Prototype	Date: 18/Aug/23
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## Revision History

Date	Version	Description	Author
07/Aug/23	1.0	Complete Introduction and Key scenarios: Login/Register accounts	Phan Thái Khang
10/Aug/23	1.1	Complete Key scenarios: Searching books & Viewing books' detailed information	Phan Thái Khang
13/Aug/23	1.2	Complete Key scenarios: Comment & Allowing readers to loan/return books	Phan Thái Khang
15/Aug/23	1.3	Complete Key scenarios: Manage elements of models & Request to add/delete/edit book information	Phan Thái Khang
16/Aug/23	1.4	Complete Key scenarios: Manage book requests	Phan Thái Khang
17/Aug/23	1.5	Complete Key scenarios: Create and manage reader and librarian accounts	Phan Thái Khang

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# UI Prototype

## 1. Introduction

### Purpose

The UI Prototype document brings our product's important features to life visually, merging design and functionality. It acts as a bridge between ideas and reality, showing how the interface will work. Descriptions for each feature explain design choices for a better user experience. It aligns everyone, invites feedback, and fosters collaboration. Developers rely on it as a guide, reducing implementation differences. It sets expectations and builds trust with clients. In an evolving design process, it's an up-to-date reference. Overall, it transforms concepts into user experiences, showcasing our design values and teamwork.

## 2. Key scenarios

For each scenario, we'll display the main screen with related screens, showing the user journey. This helps everyone understand how the app flows, identifies issues early, and guides development. It improves communication, alignment, and results in a user-friendly application.

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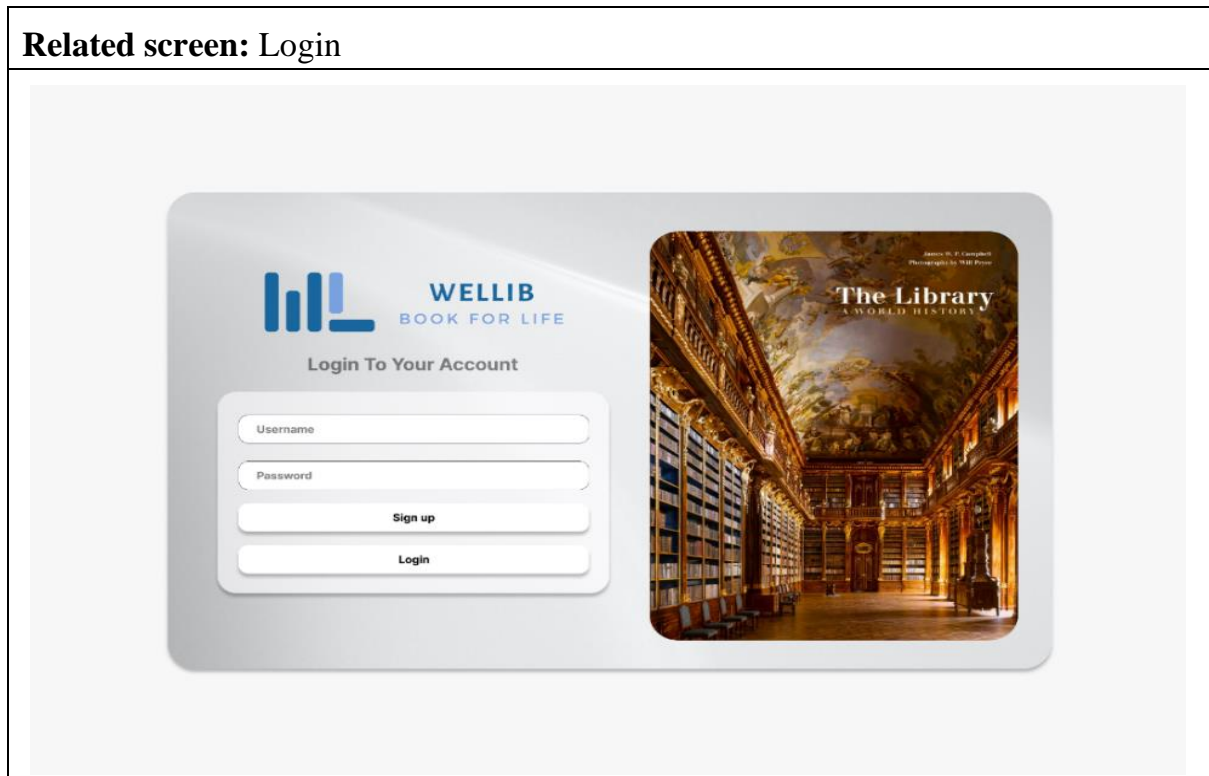
## 2.1 Login/Register accounts

### Main screen: Register

- **Purpose:** This main screen displays the form to register accounts.
- **Illustrate:** The form contains three input fields, including Username, Password, and Confirm Password, which go with the Website logo and the library preview image.
- **How to use:**
  - + Users type in Username, Password, and Confirm Password inputs.
  - + Users can click the sign up button or “enter”.

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### Related screen: Login

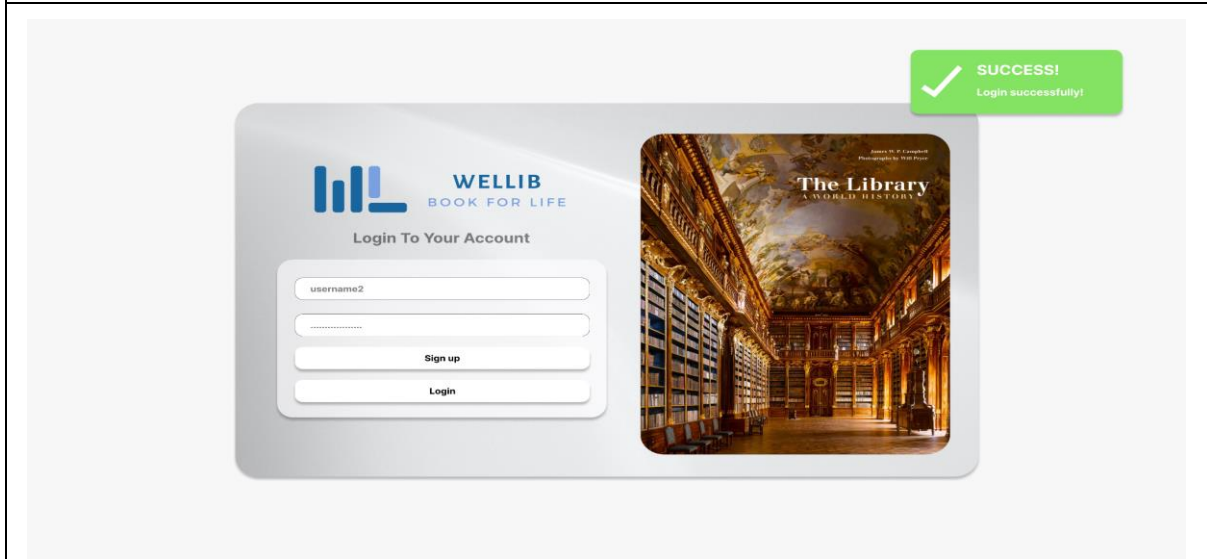


- **Purpose:** This screen displays the form for login accounts.
- **Illustrate:** The form contains two input fields, including Username and Password.
- **How to use:**
  - + Users need to type in Username and Password inputs
  - + Users can click the the log in button or “enter”.

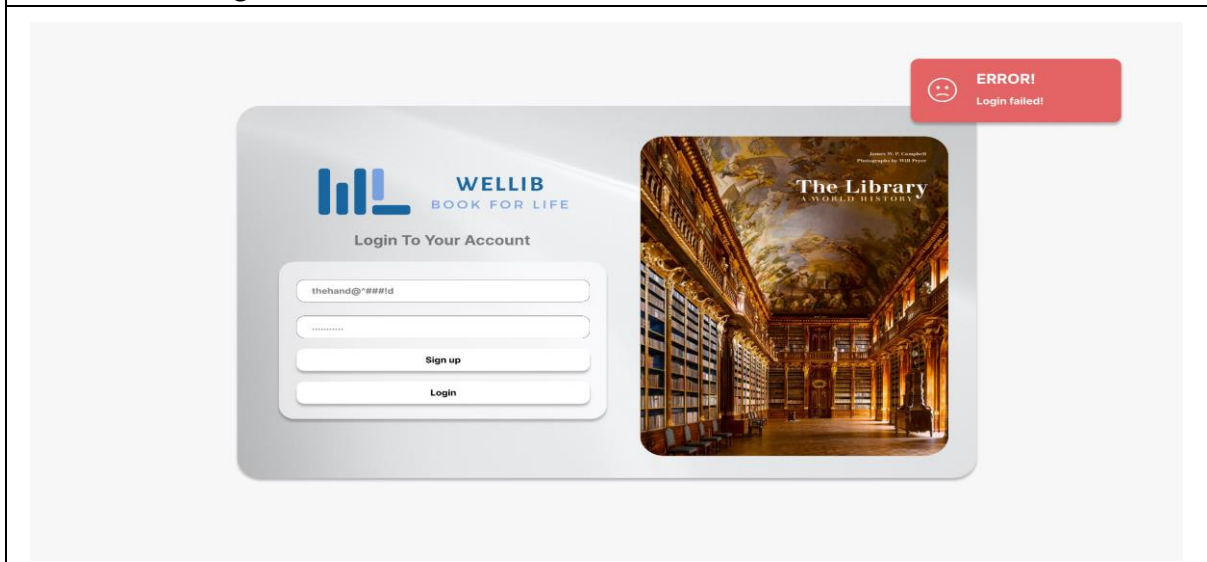
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And then the system displays a message that notifies the actions:

### Scenario 1: Login successfully



### Scenario 2: Login failed

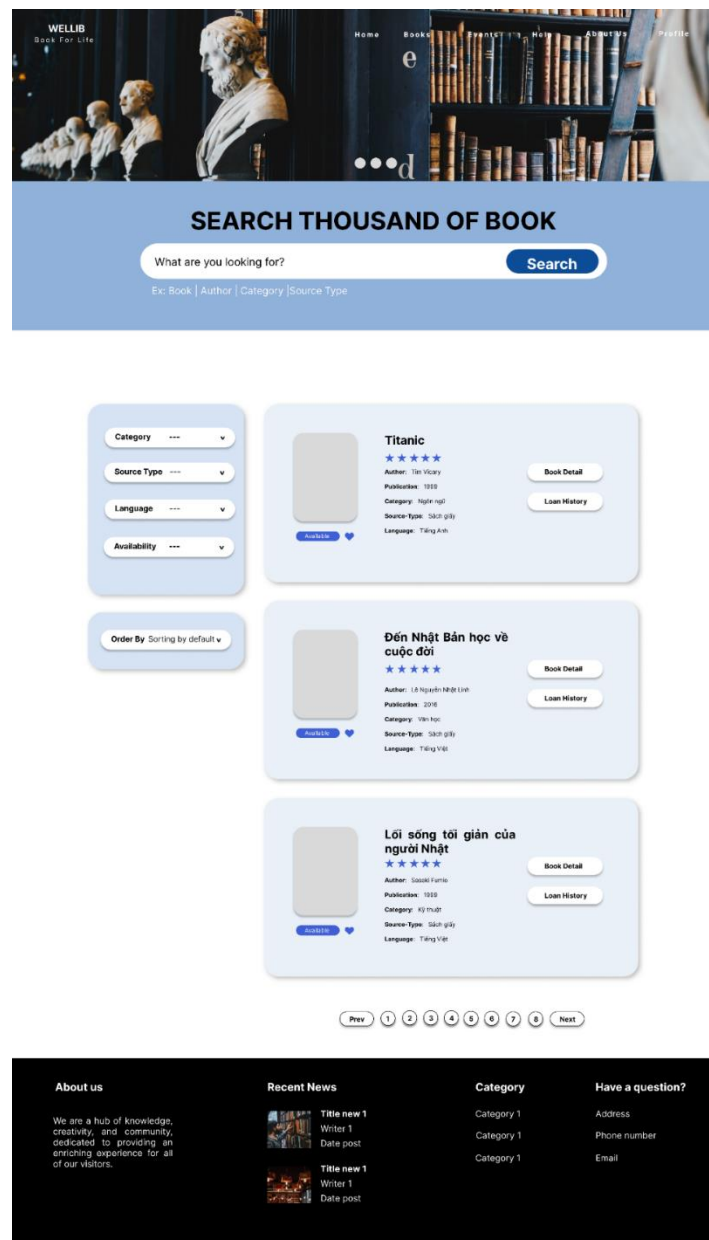




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## 2.2 Searching books

### Main screen: Searching books



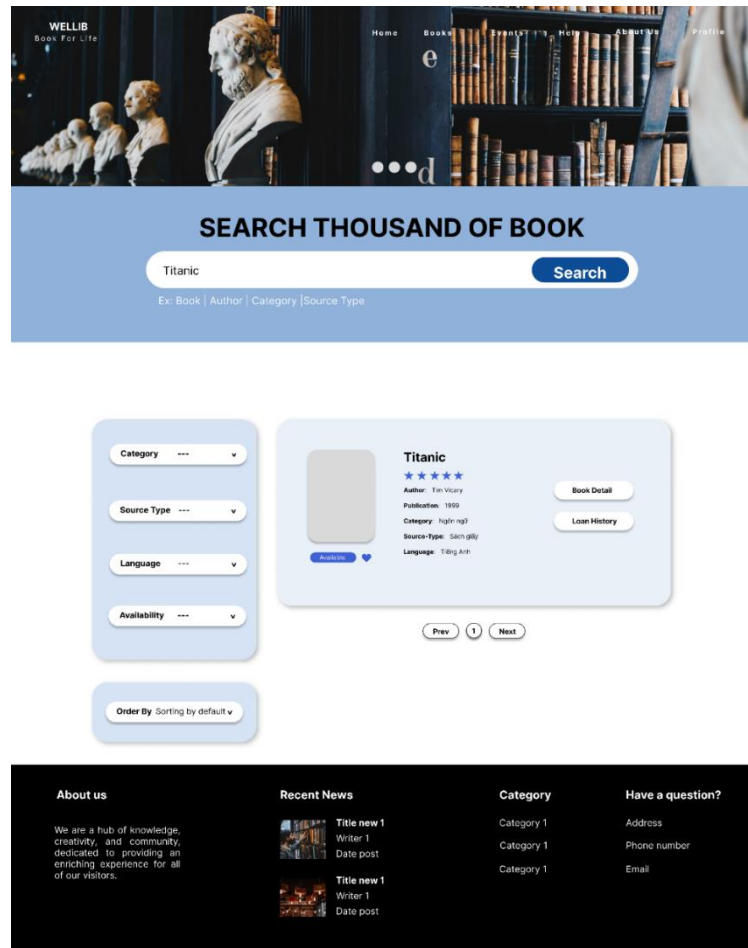
**Purpose:** This screen displays the search bar to search for a book, a category, a source type,...

**Illustrate:** There is a searchbar input and a button search.

**How to use:** Users type anything in the input search bar and then click the search button to find book.

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### Related screen #1: A searching book result found



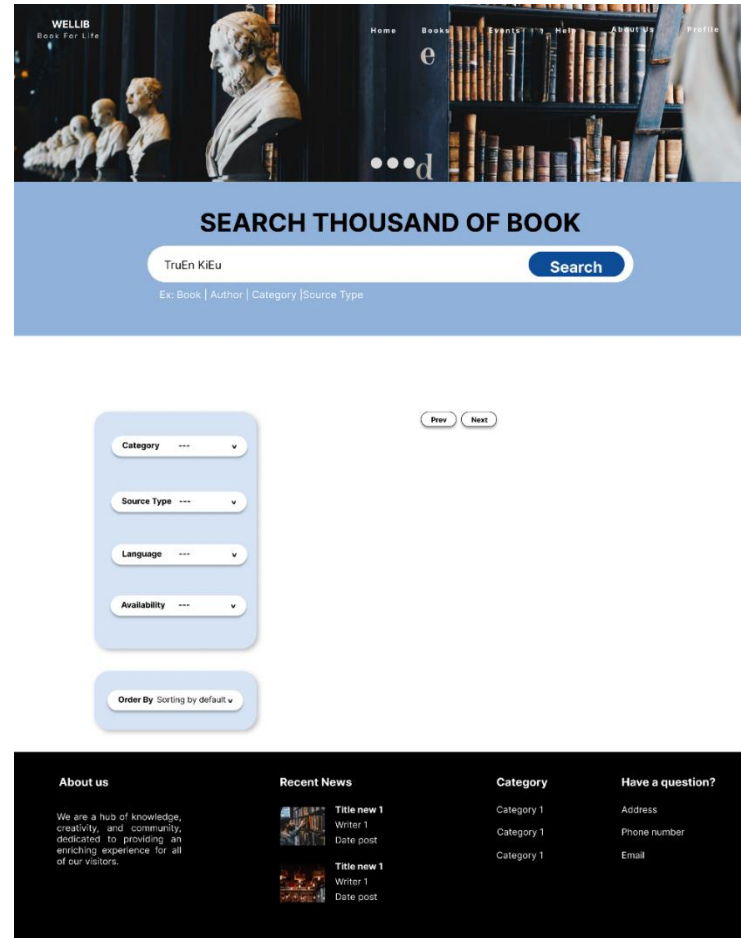
**Purpose:** This screen displays the search result of book based on the search information give.

**Illustrate:** The search results contain books, with attributes such as book cover, book title, publication year, book subject, sourcetype, language. And on the side are 2 buttons to view book details, and view the history of borrowing books.

**How to use:** Users can see the book information, and if there is a need, they will click the button to view details or view the loan history.

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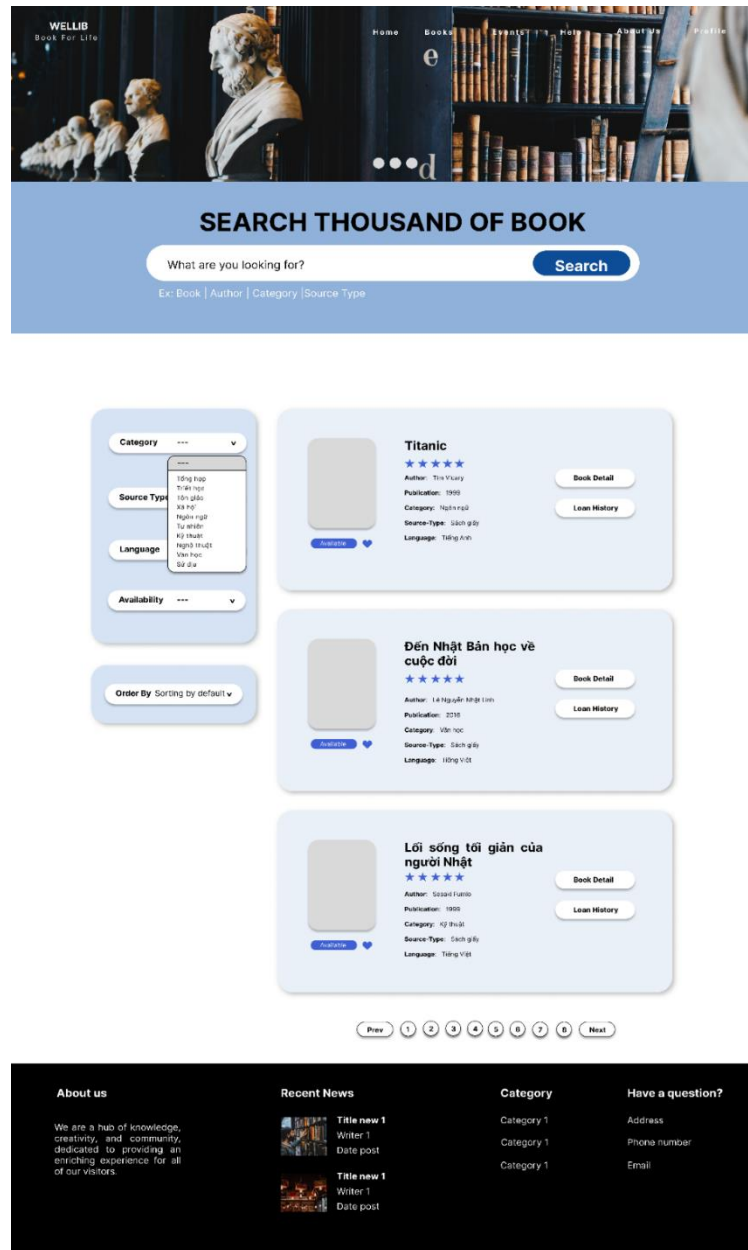
## Related screen #2: A searching book result not found



**Describe:** Users can not find any books because there is a problem with there query searching.

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### Related screen #3: Filter book by their properties



**Purpose:** This screen allows user to filter based on their search, or just filter at the first time they access this page.

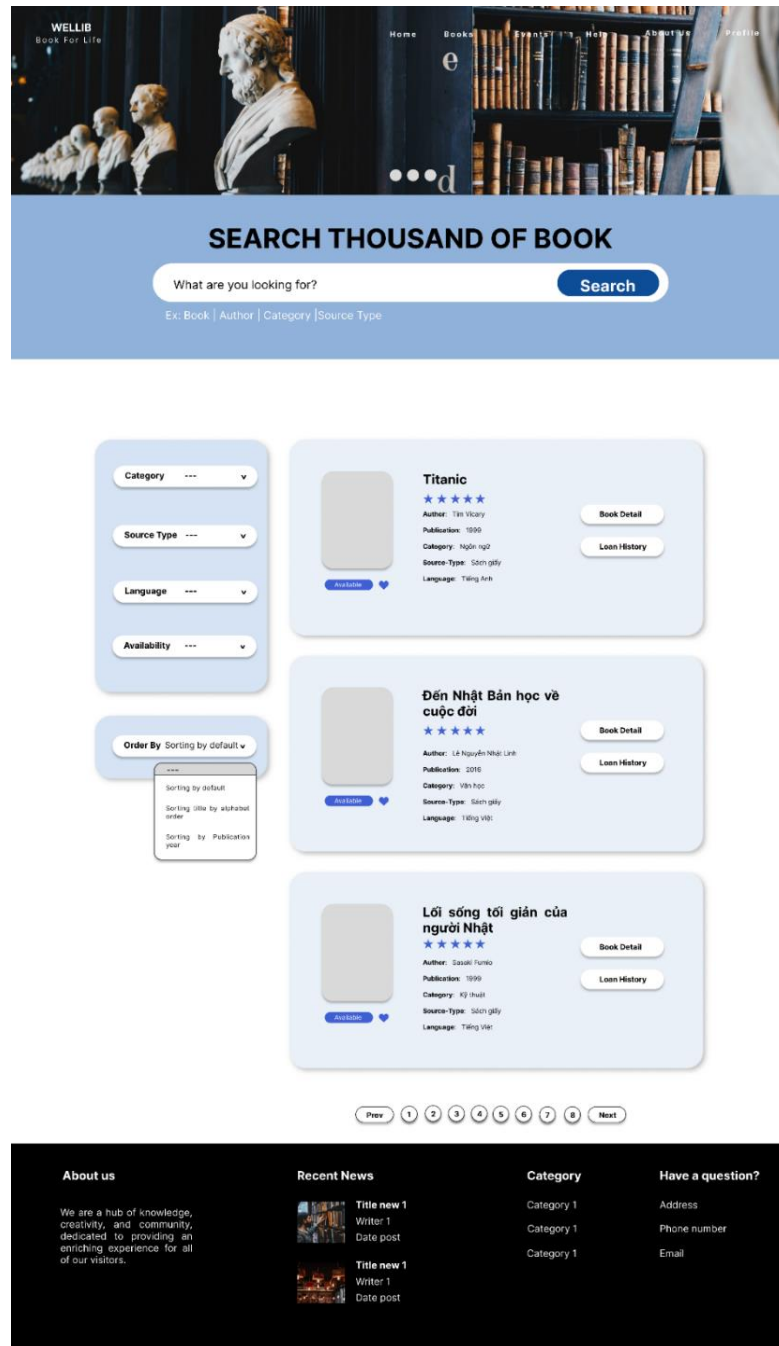
**Illustrate:** This screens contains a block of filter properties select options type. There is a dropdown menu base on the options for each property.

**How to use:**

- + Users can filter based on the properties of books
- + Users can choose more than 1 selection cards to filter. But there must be just 1 option in each selection card

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## Related screen #4: Sorting list of books



**Purpose:** Allows user to perform reordering of results based on pre-constrained attributes.

**Illustrate:** This screen contains a block of sorting that includes a select options type. There is a dropdown menu base on the options for each property. That contains sorting by default, by title base on alphabet order, and order by publication years.

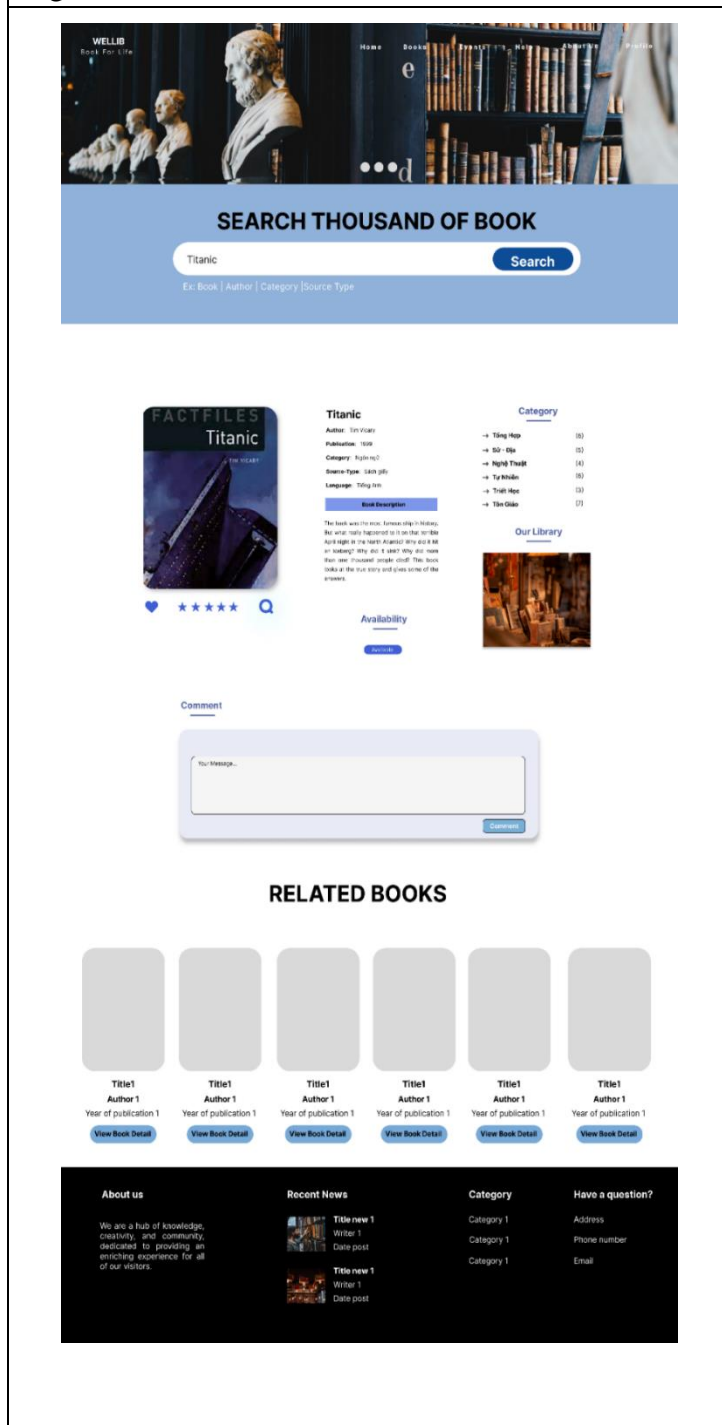
### How to use:

- + Users can sort a list based on the properties book
- + User must choose just 1 option in each selection card

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## 2.3 Viewing books' detailed information

**Main screen:** Book detailed information without login.



**Purpose:** This screen displays a book's detailed information.

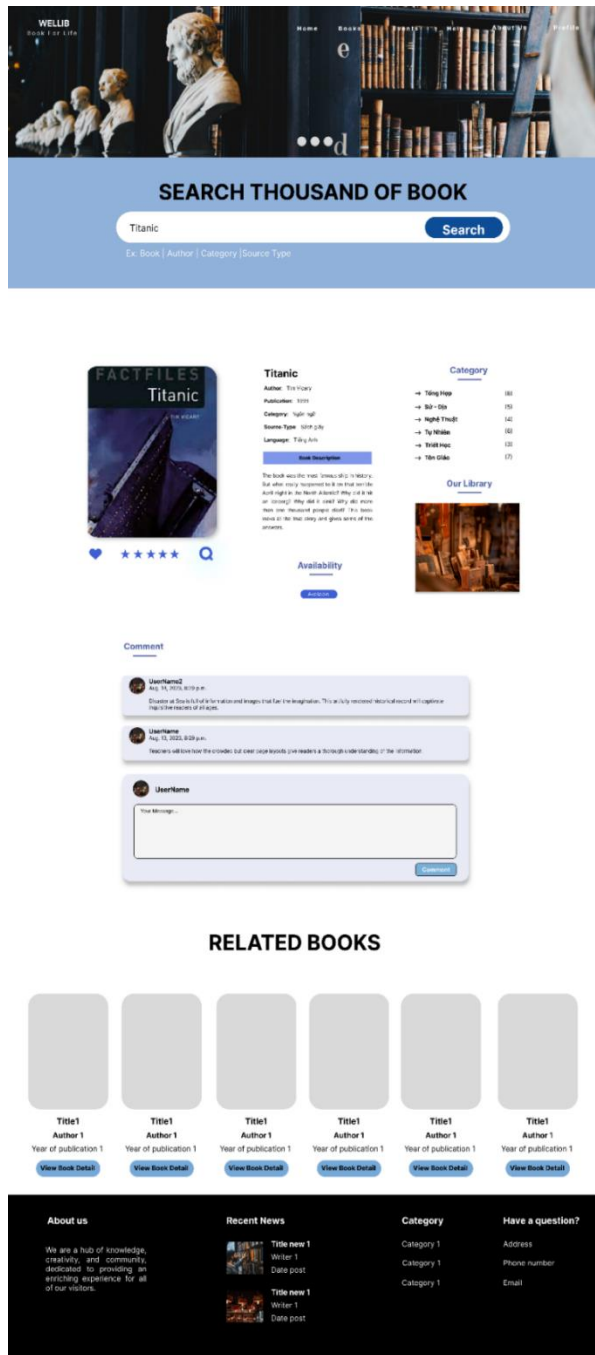
**Illustrate:** There is 3 part in this screen. The information, a comment, and related book section.

- + *In the book information section,* including detailed information such as, cover, title, category, source type, language, and book summary. The next part is a summary of all the categories of the library.
- + *In the comment section,* if you are not logged in, the system will disable that function, and you will not be able to view or post comments
- + *In the related books section.* The system will display 6 books with the same topic as the book above.

**How to use:** Users can view specific information about a book and see if it's available on library shelves.

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## Related screen: Book's detailed information after login.



**Purpose:** After logging in, the user can see all the comments and post comments for this book.

**Illustrate:** There is a comment section added in this page after login.

**How to use:** User can see a comment on each book's detailed information



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## 2.4 Comment

### Main screen: Before posting a comment

**Comment**

**UserName2**  
Aug. 14, 2023, 8:29 p.m.  
Disaster at Sea is full of information and images that fuel the imagination. This artfully rendered historical record will captivate inquisitive readers of all ages.

**UserName**  
Aug. 13, 2023, 8:29 p.m.  
Teachers will love how the crowded but clear page layouts give readers a thorough understanding of the information.

**UserName**  
This book is so amazing. I love it such, It gives me a little hope for the rest for my life.

**Comment**

- **Purpose:** This screen displays a sections of commentst that’s contain comment box, and comment-list.
- **Illustrate:** There are 2 sections, comment box, and comment list. The comment box contains the name, and avatar of the reader, and there is a card to enter the comments of the readers, and a comment button. In the comment list section, there is a list of previously posted comments, including personal information, post date and content.
- **How to use:** Users type in the comment box and click comment button.



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## Related screen: Comment after it has been posted

### Comment



**UserName**

Aug. 16, 2023, 10:20 p.m.

This book is so amazing. I love it such, It gives me a little hope for the rest for my life.



**UserName2**

Aug. 14, 2023, 8:29 p.m.

Disaster at Sea is full of information and images that fuel the imagination. This artfully rendered historical record will captivate inquisitive readers of all ages.



**UserName**

Aug. 13, 2023, 8:29 p.m.

Teachers will love how the crowded but clear page layouts give readers a thorough understanding of the information.



**UserName**

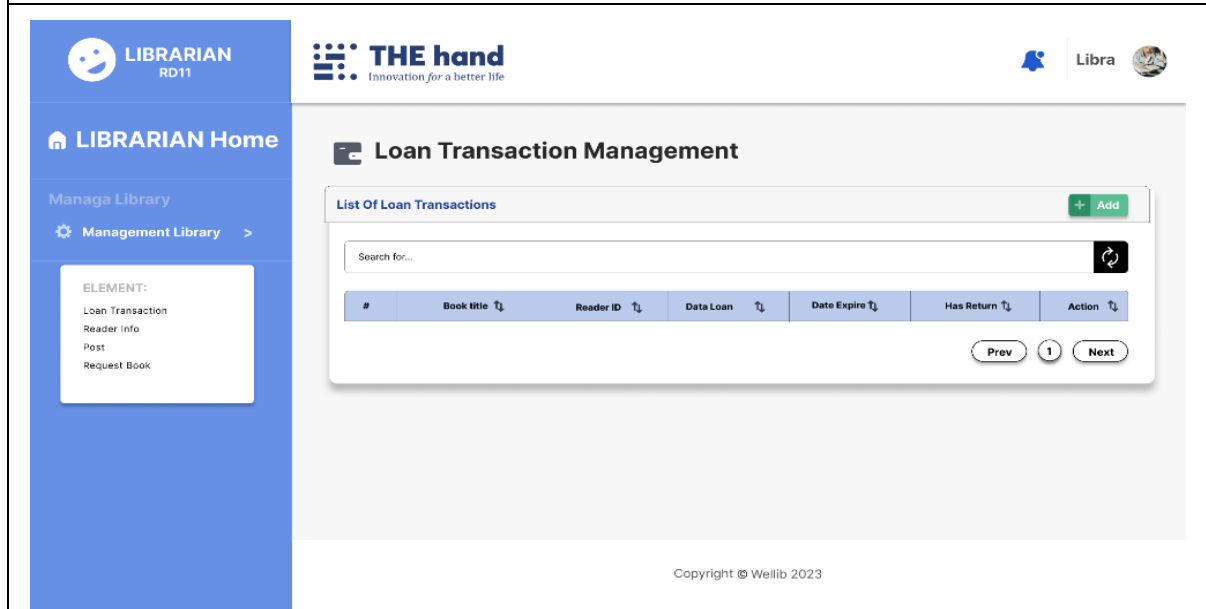
Comment

- **Purpose:** This screen displays a new comment after it has been posted.
- **Illustrate:** A comment will appears after clicking comment button.
- **How to use:** User can see the new comment added in the list below. It will show in the top of list based on the date comment.

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## 2.5 Allowing readers to loan/return books

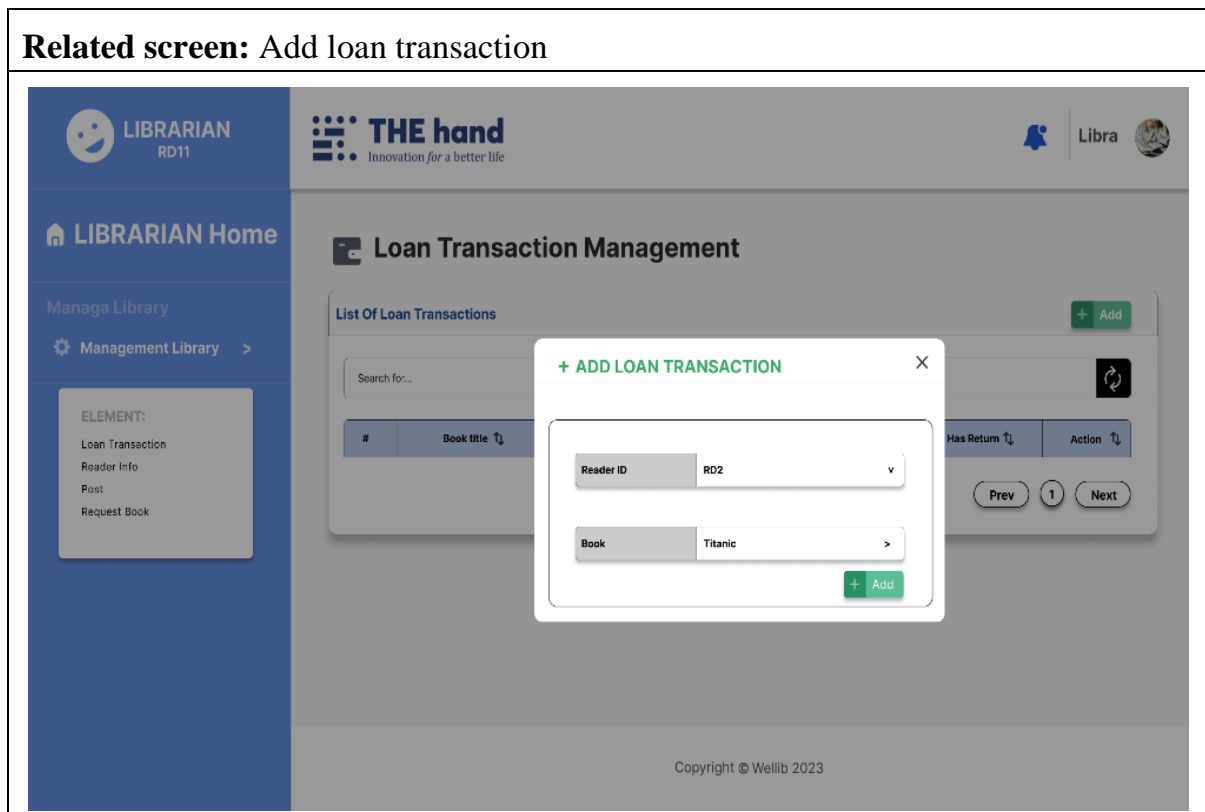
### Main screen: Loan transaction management



- **Purpose:** This screen displays a list of borrowed books
- **Illustrate:** This screen contains a list of borrowed books, including title, reader ID, loan date, expiration date, status, and action. There is also a search bar for a book in that list.
- **How to use:** View a list of books that have been lent. Or lend a book by clicking the add button, and then the loan transactions will be shown.

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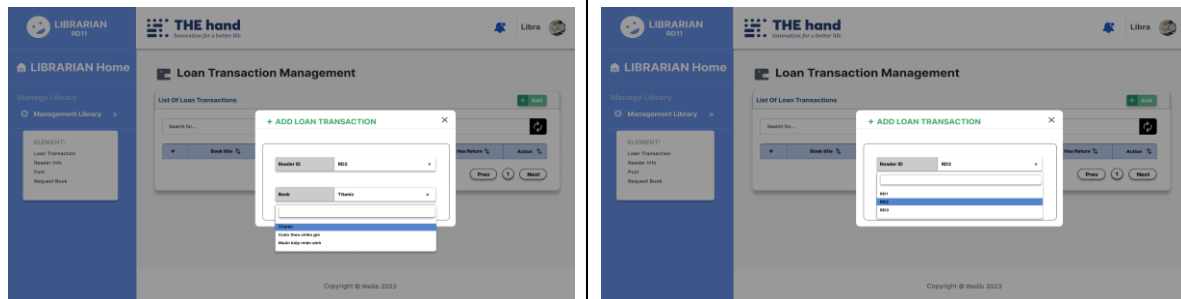
### Related screen: Add loan transaction



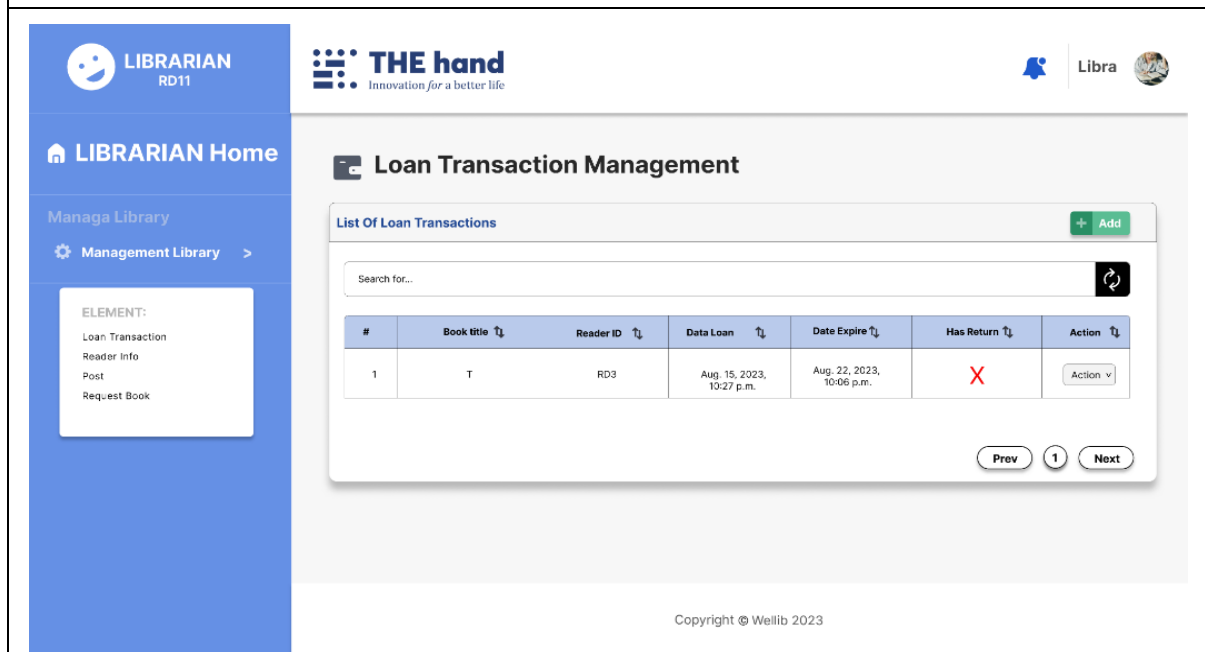
- **Purpose:** This screen displays a pop up containing a form to fill out loan information.
- **Illustrate:** This screen contains a pop up that includes a form containing data tags such as reader ID ,and book. In these tags, there is an additional search bar to search for data. Information can be selected based on the dropdown menu or entered in the search bar.
- **How to use:** Librarian selects options based on the dropdown menu. Librarian enters the search bar with reader information and book information to lend. And then click Add button.

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And these 2 pictures below will show the detail of these tags:



### Related screen: After add loan transaction

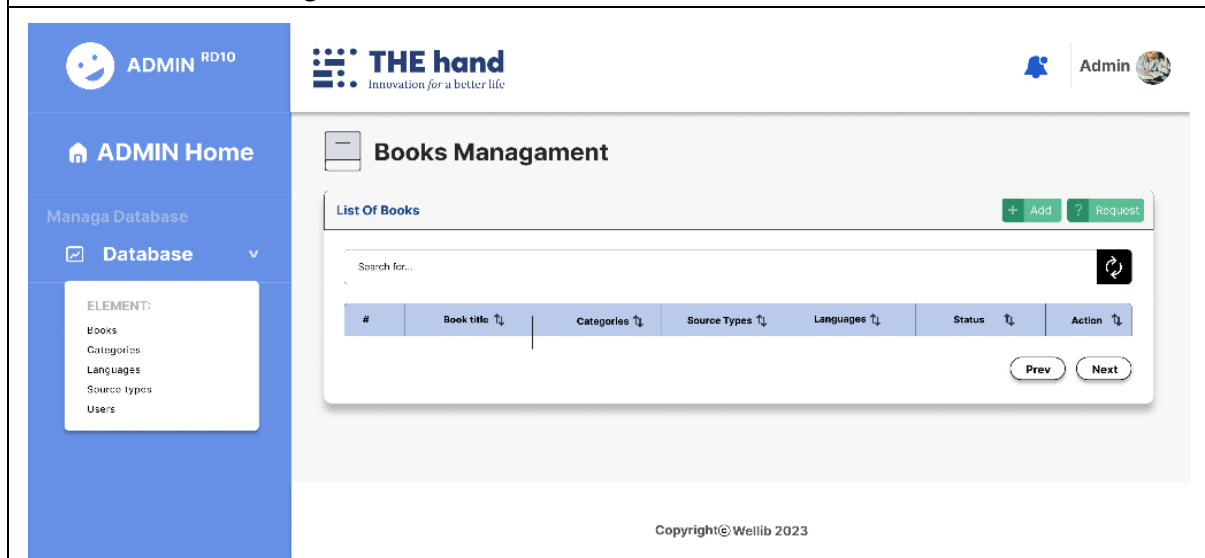


- **Purpose:** This screen displays transaction information after lending books.
- **Illustrate:** This screen contains a list of borrowed books including title, reader ID, loan date, expiration date, status, and action. There is also a search bar for a book in that list.
- **How to use:** Librarians can see the new loan transaction added in the list, they can choose to search in the search bar.

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## 2.6 Manage elements of models

### Main screen: Manage book model



- **Purpose:** This screen displays the list of books at Admin page.
- **Illustrate:** This screen contains a list of books information, including title, Categories, Source types, Language, status, and action. There is also a search bar for searching a book in that list. There are a Add button and Request button.
- **How to use:** Admin can view the list of book, also choose to add or request a book, and search for a book in the list.

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### Related screen #1: Add book form

The screenshot shows a web application interface for 'ADMIN RD10'. The left sidebar contains a 'Manage Database' section with a 'Database' dropdown menu. The main content area is titled 'Books Management' and features an 'Add Book' form. The form has the following fields: 'Title' (text input), 'Publication year' (text input), 'Author' (text input), 'Category' (dropdown menu), 'Description' (text area with a search bar), 'Source type' (dropdown menu), 'Language' (dropdown menu), 'Book quantity' (text input), and 'Cover photo' (file upload button). A 'Back' button is located at the bottom left of the form, and an 'Add' button is at the bottom right. The footer of the page reads 'Copyright © Wellib 2023'.

- **Purpose:** This screen displays a form that contains some information to create a book informations.
- **Illustrate:** This screen contains a form that contains data tags such as title, publication year, author, category, description, source type, language, book quantity, and photo. In some of these tags, there is an additional search bar to search for data. Information can be selected based on the dropdown menu or entered in the search bar.
- **How to use:** Admins type in title, publication year, and author. They can select options based on the dropdown menu in the category, or source type, language. Also choose a book cover and type the quantity. And then click the Request button.

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## Related screen #2: After adding a book

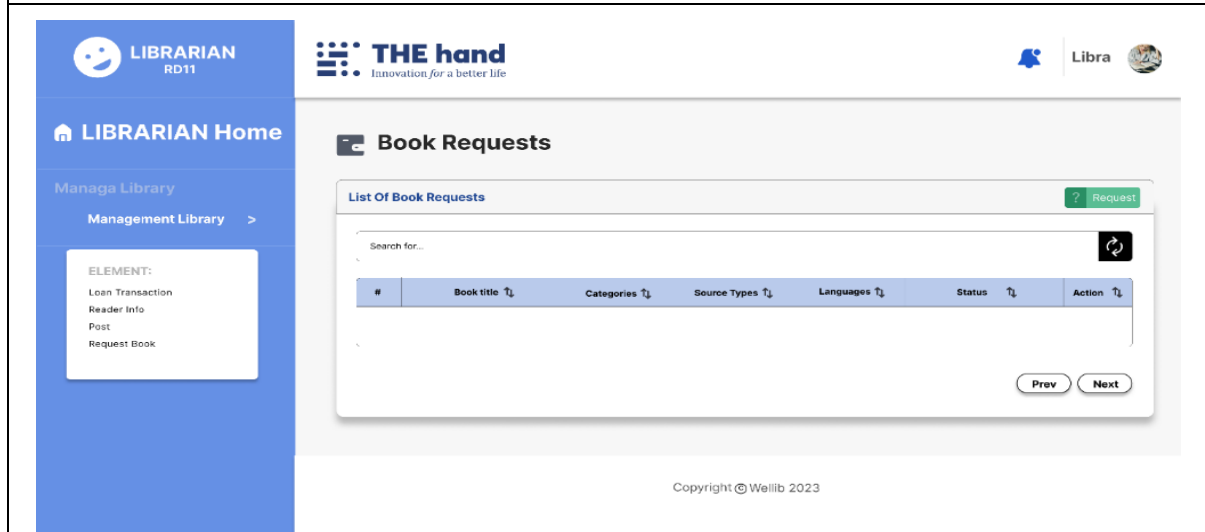


- **Purpose:** This screen displays a latest book added.
- **Illustrate:** This screen contains the same information of main screen. And the information of new book added will be shown in a list.
- **How to use:** Admins can see the status of the last book added.

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## 2.7 Request to add/delete/edit book information

**Main screen:** Book requests.

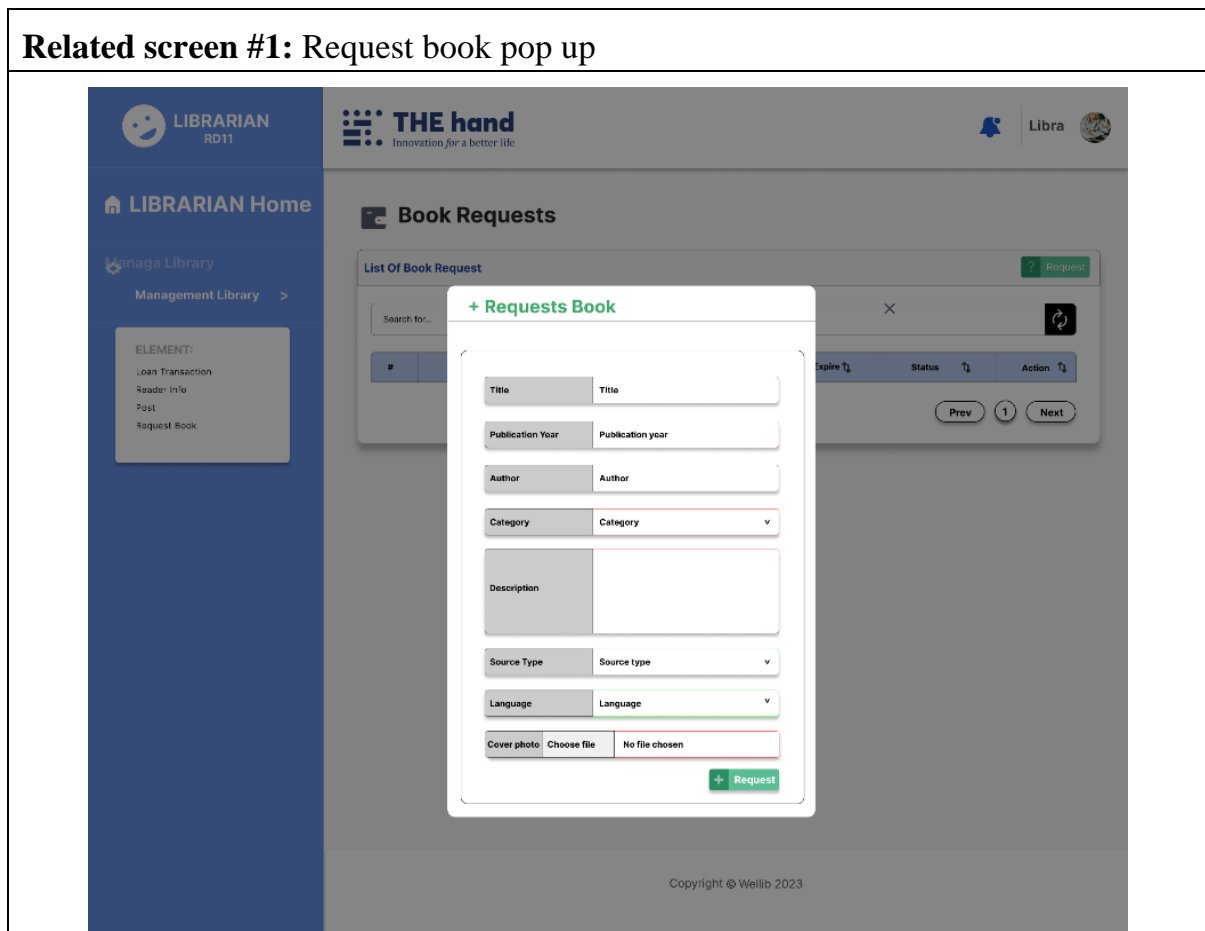


- **Purpose:** This screen displays the list of book requests.
- **Illustrate:** This screen contains a list of books requests including title, Categories, Source types, Language, status, and action. There is also a search bar for a book in that list.
- **How to use:**
  - + The librarian can view the list of book requests after requesting them.
  - + Also, you can search for a detailed book in the list.



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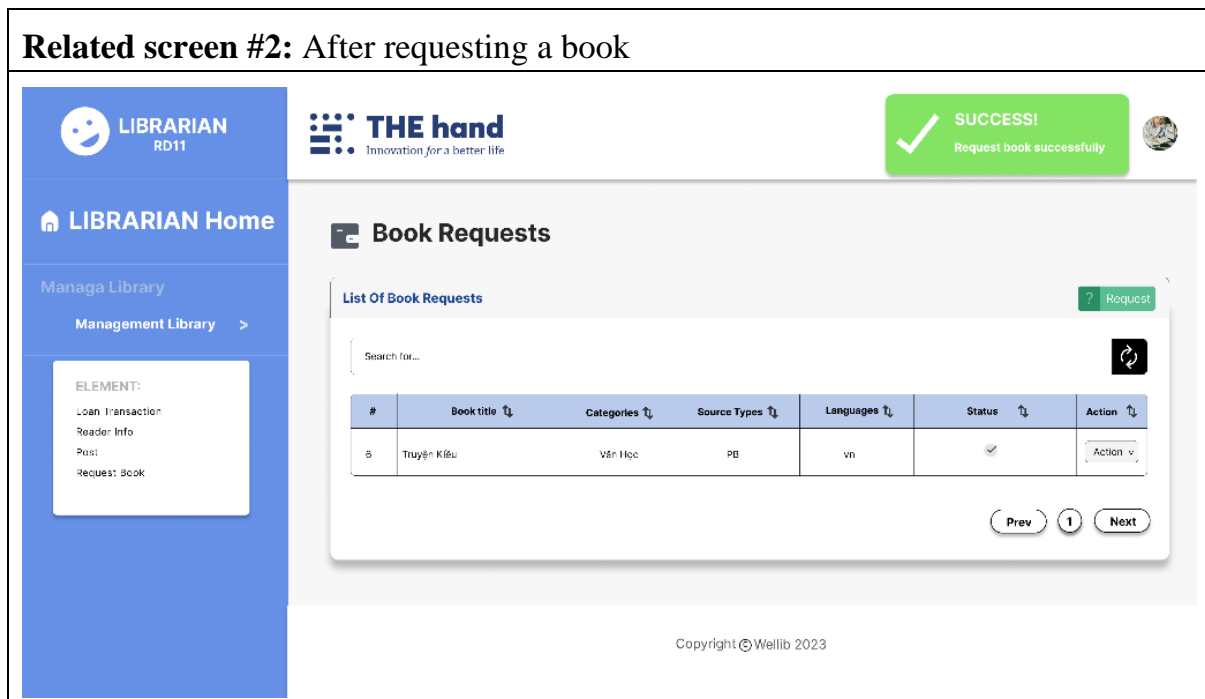
### Related screen #1: Request book pop up



- **Purpose:** This screen displays a pop up containing a form to fill out loan information.
- **Illustrate:** This screen contains a pop up that includes a form containing data tags such as title, publication year, author, category, description, source type, language, and photo. In some of these tags, there is an additional search bar to search for data. Information can be selected based on the dropdown menu or entered in the search bar.
- **How to use:** Librarian types in title, publication year, and author. The librarian selects options based on the dropdown menu in the category, or source type, language. The librarian enters the search bar with reader information and book information to lend. Librarian chooses a photo from browser. And then click the Request button.

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## Related screen #2: After requesting a book

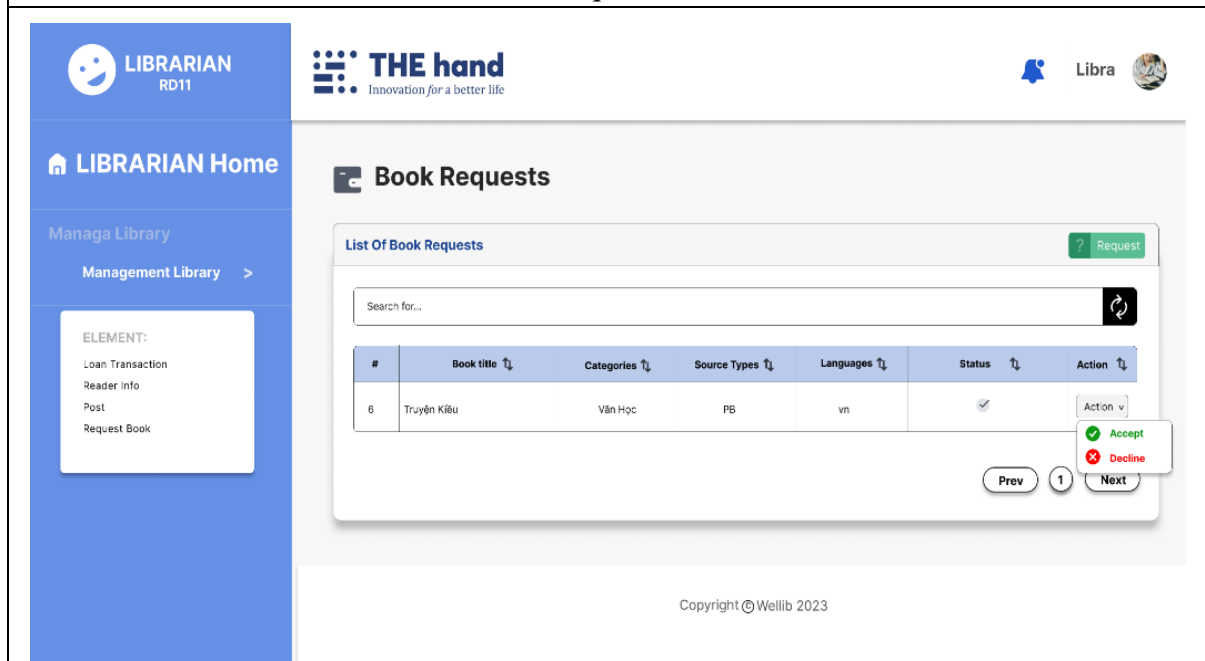


- **Purpose:** This screen display a status of book request.
- **Illustrate:** The status pop up will be displayed in the right corner of the screen. Successful or not. If successful, it will show a green pop up, if it fails, it will show red, or yellow for warning.
- **How to use:** Librabran can see the status of the last book request.

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## 2.8 Manage book requests

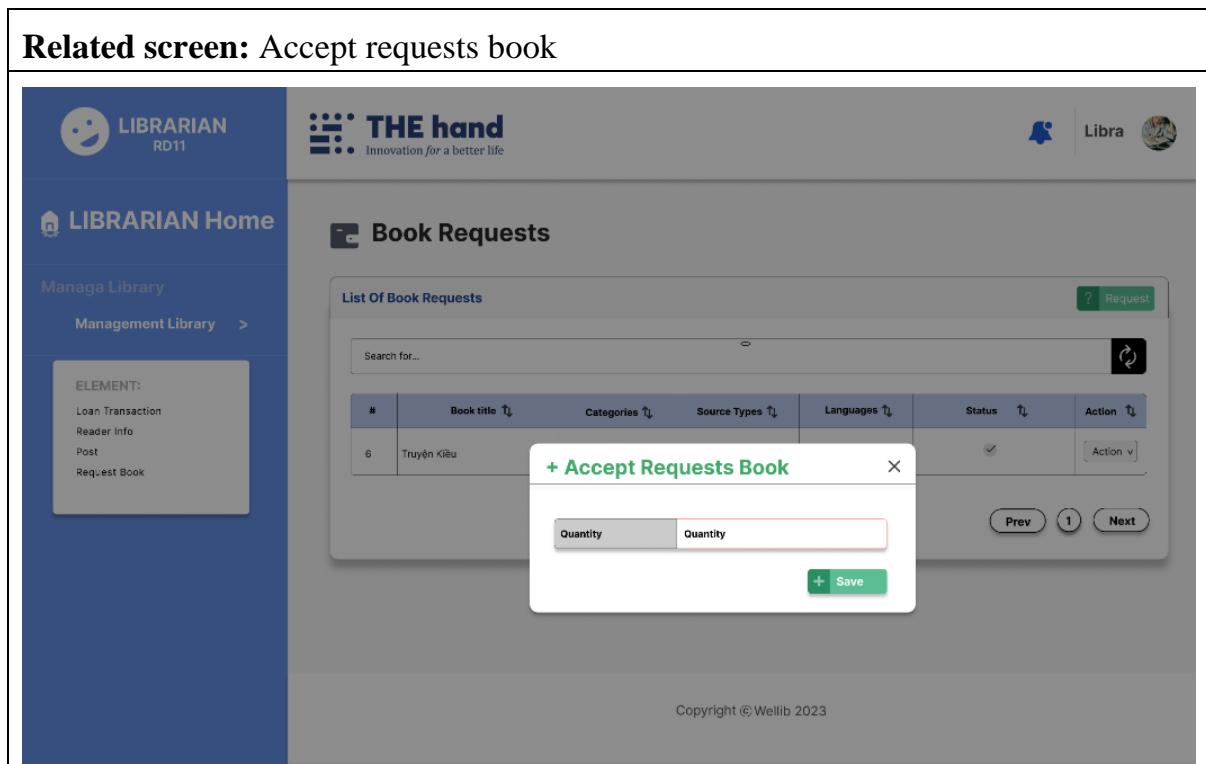
**Main screen:** Choose action for book request



- **Purpose:** This screen displays a dropdown menu of action like, delete request and accept request
- **Illustrate:** This screen contains the same information as above, but when clicking on the action button, a dropdown menu will appear including canceling or accepting the request.
- **How to use:** Librarian can click to accept or decline based on the demand.

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## Related screen: Accept requests book

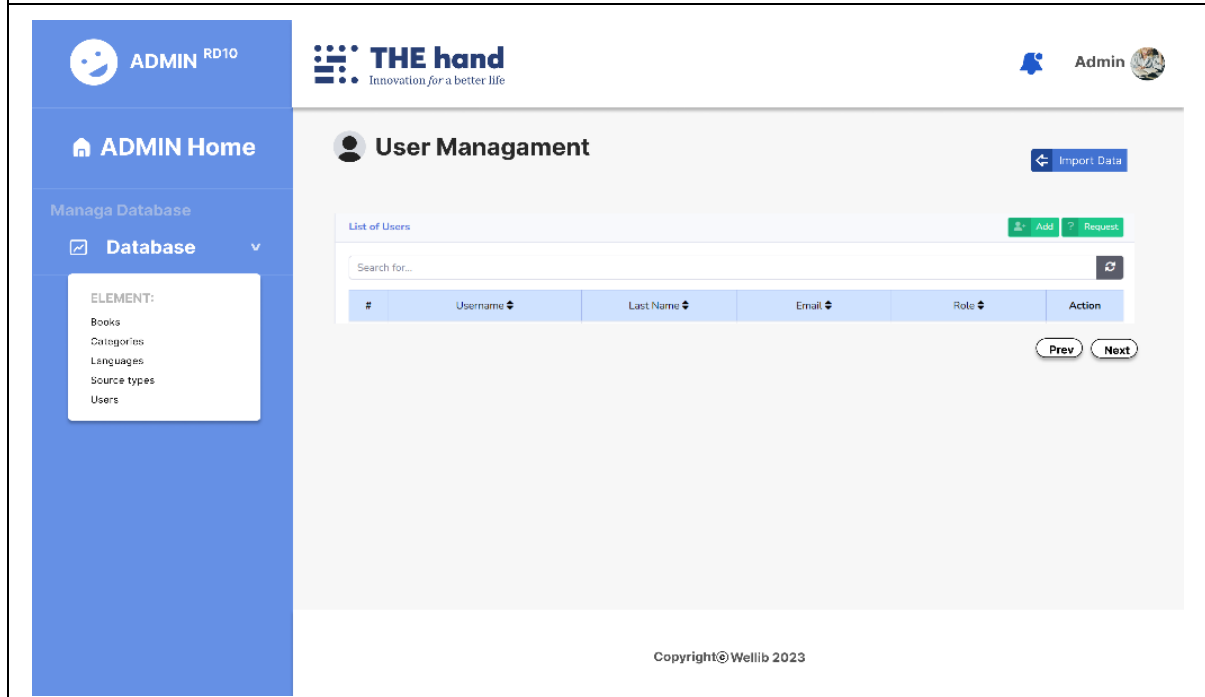


- **Purpose:** This screen displays the popup form asking to accept the book request
- **Illustrate:** This screen contains a pop up containing a form to fill in the quantity information of the type of book to be requested. and a save button.
- **How to use:** Librarian click to the accept in action and the pop up shown. After that, They must fill in the quantity and click save button.

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## 2.9 Create and manage reader and librarian accounts

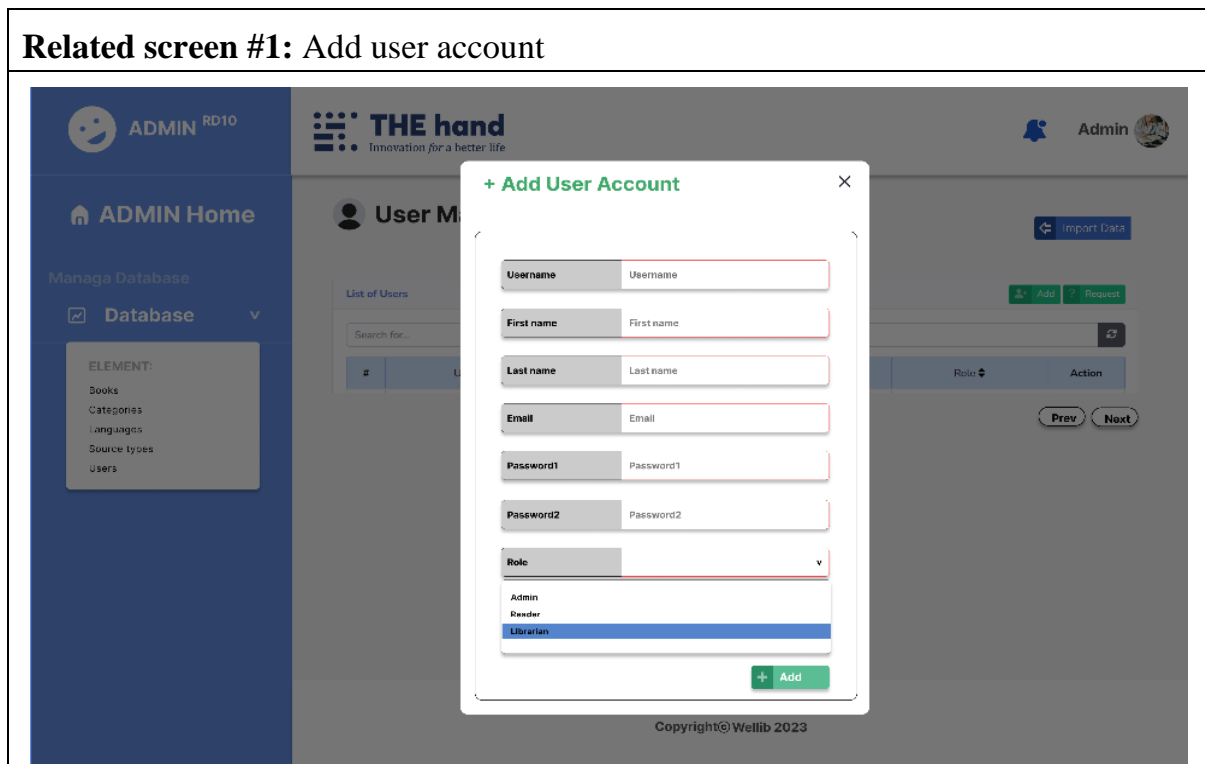
### Main screen: User management



- **Purpose:** This screen display the list of user account.
- **Illustrate:** This screen contains a list of user account including username, last name, email, , role, and action. There is also a search bar for a book in that list.
- **How to use:**
  - + Admin can view the list of user account.
  - + Admin can add and account by clicking add button above the list.

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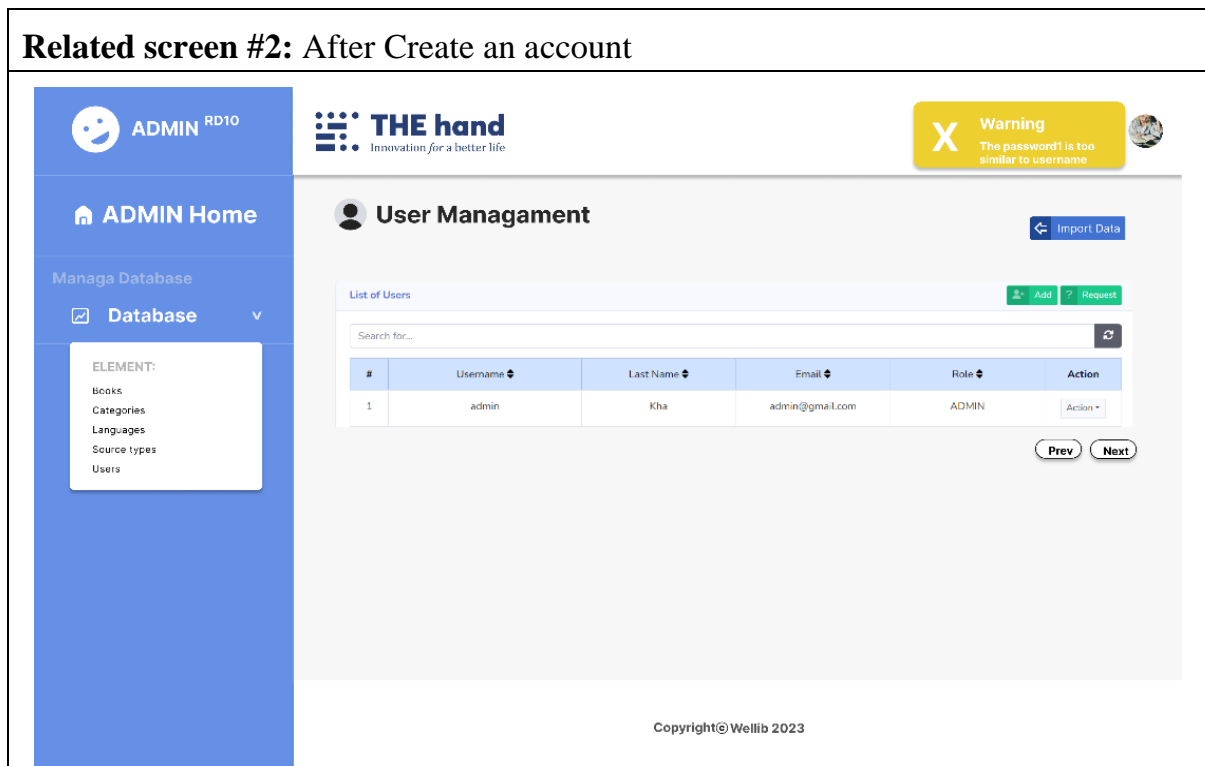
### Related screen #1: Add user account



- **Purpose:** This screen displays a pop up containing a form to fill in adding user account.
- **Illustrate:** This screen contain a pop up that includes a form containing data tags such as username, first nam, last name, email, password1, password2, and role. In some of these tags, information can be selected based on the dropdown menu or typing text.
- **How to use:** Admin types in all the tag except from Role. Librarian selects options based on the dropdown menu in the role, which includes 3 main role of library. And then click Add button.

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## Related screen #2: After Create an account



- **Purpose:** This screen display a status of creating an account.
- **Illustrate:** The status pop up will be displayed in the right corner of the screen. Successful or not. If successful, it will show a green pop up, if it fails, it will show red, or yellow for warning.
- **How to use:** Admin can see the status of the last new account created, and search for the user account in searchbar.