

Step 1. Define the purpose of your application. How will it be useful for future users?

The app is a community-driven book sharing and trading platform that helps users discover, request, and share books with others nearby. The app reduces book waste, promotes reading, and creates a sustainable marketplace.

Step 2. Clarify the users' objectives. Why will the users want to use your app? Once they have launched the application, what will they be looking for in the first place? Secondly? Define a basic scenario and an advanced one.

Users will want to use the app, because they:

- Want to **find books** at low cost or for free.
- Need a platform to sell, rent, exchange, or donate their own books.
- Wish to connect with a **community of readers** to share interests (future goal)

Basic Scenario (New User)

- Primary Goal: Quickly search for a book (by title, author, or transaction type).
- Actions:
 1. Launch the app
 2. Immediately browse/search without logging in.
 3. If they find something they want -> sign up, and request the book.

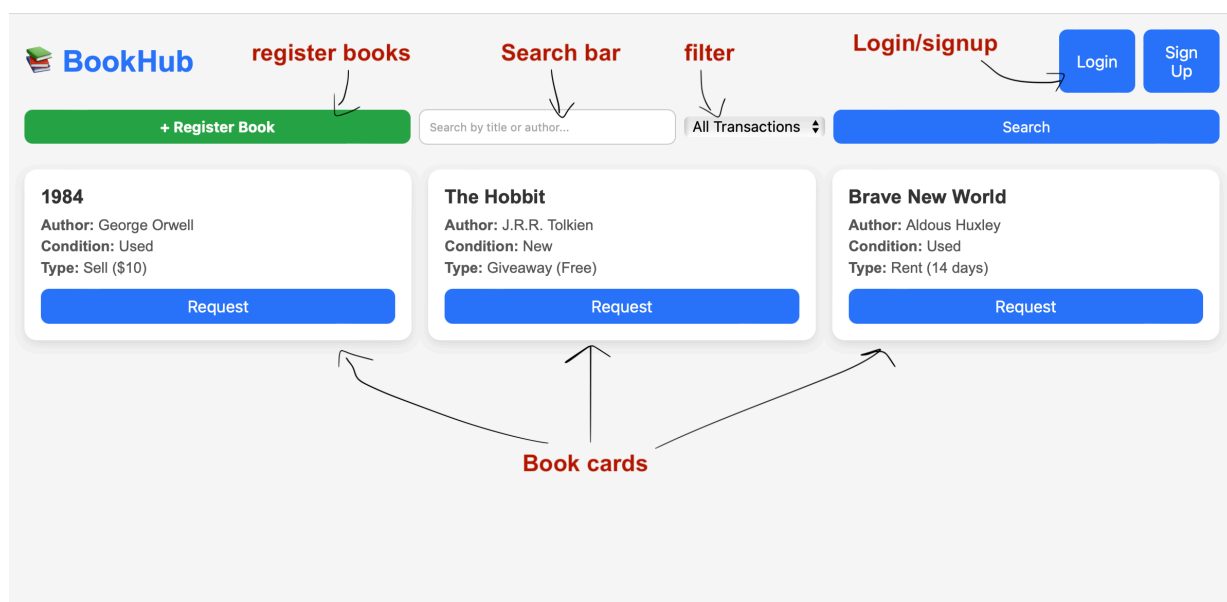
Advanced Scenario (Active Member)

- Primary Goal: Manage personal library and transactions.
- Actions:
 1. Log in
 2. Register new books to sell, rent, exchange, or donate.
 3. View and respond to incoming requests from other users.
 4. View book requests you have made
 5. Edit or delete book posts.
 6. Logout once done.

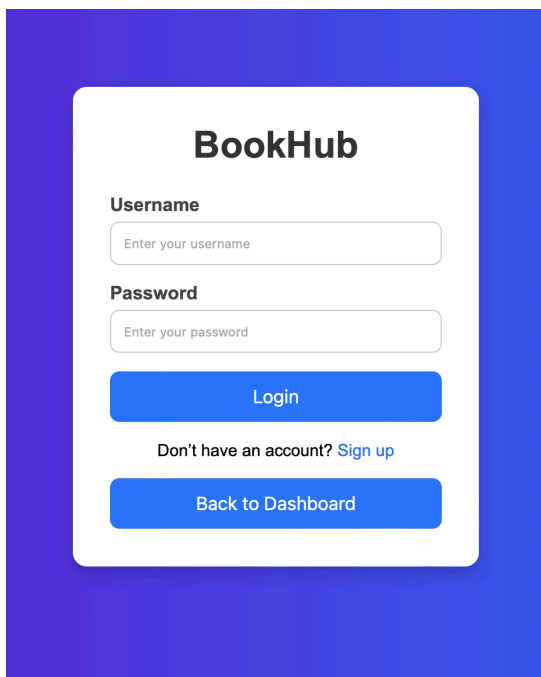
Step 3, 4 Identify the most important elements and content for the users. How will you place it on the page? Create a set of schematic wireframes.

The main page of the app highlights the following key elements:

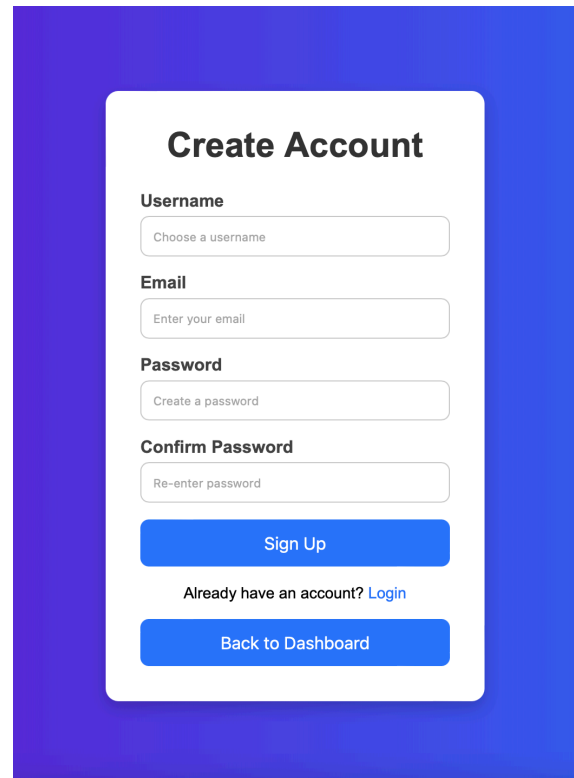
- search bar & filter option
- book cards
- register book button
- login/signup button



You must have an account to post or request books.
The login and signup pages are straightforward:

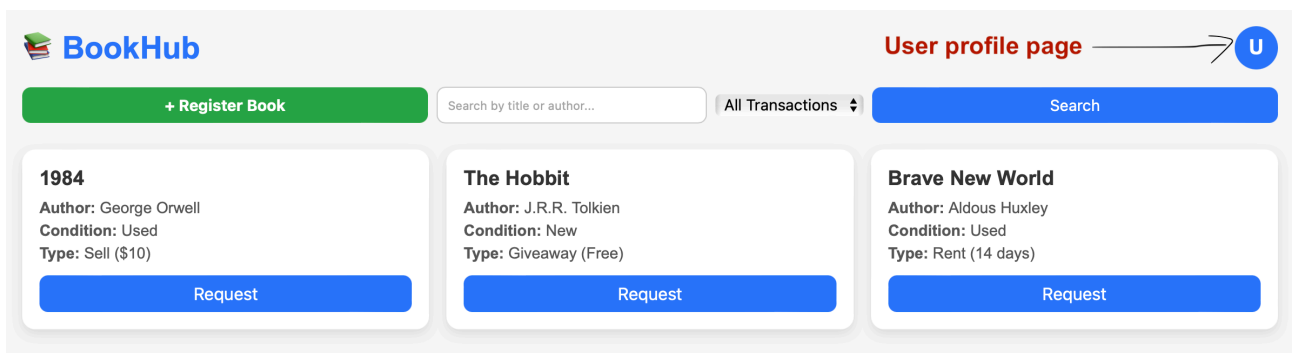


The login form is titled "BookHub" and is set against a blue gradient background. It contains two input fields: "Username" with a placeholder "Enter your username" and "Password" with a placeholder "Enter your password". Below these is a blue "Login" button. At the bottom, there is a link "Don't have an account? Sign up" and a blue "Back to Dashboard" button.



The "Create Account" form is also on a blue gradient background. It includes four input fields: "Username" (placeholder: "Choose a username"), "Email" (placeholder: "Enter your email"), "Password" (placeholder: "Create a password"), and "Confirm Password" (placeholder: "Re-enter password"). The form features a blue "Sign Up" button, a link "Already have an account? Login", and a blue "Back to Dashboard" button.

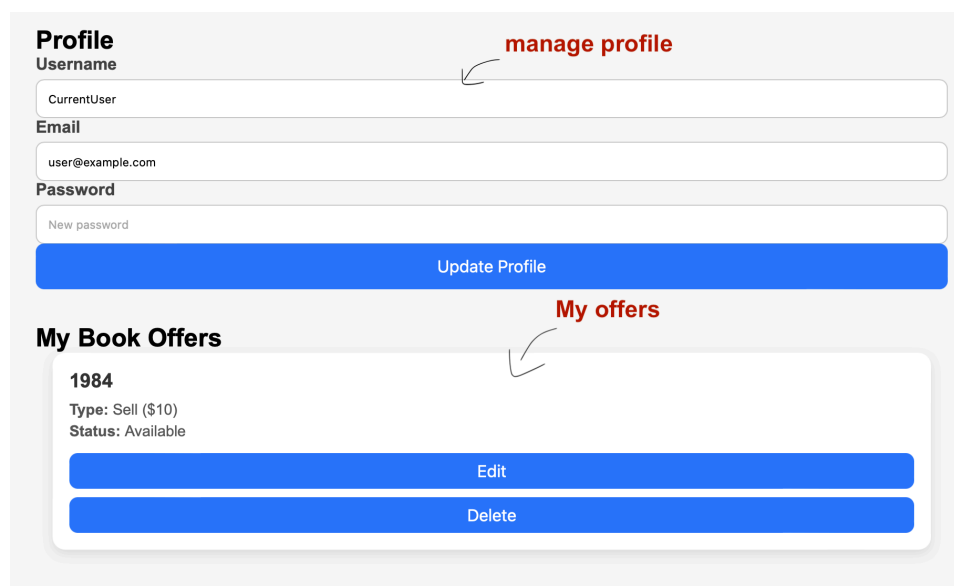
After logging in, the user profile circle appears in place of the login/signup:



The user profile page has a header with the "BookHub" logo, a green "+ Register Book" button, a search bar, and a dropdown menu set to "All Transactions". On the right, a blue button labeled "Search" is next to a user profile circle with the letter "U". Below the header, there are three book cards. Each card shows a book title, author, condition, and type, followed by a blue "Request" button. The books are "1984" (George Orwell, Used, Sell \$10), "The Hobbit" (J.R.R. Tolkien, New, Giveaway Free), and "Brave New World" (Aldous Huxley, Used, Rent 14 days).

In the user profile page a user can:

- manage profile details,
- the books they have offered,
- any received requests for their books,
- Requests for others books,
- They can logout



The profile management page is divided into two sections. The top section, titled "Profile", contains input fields for "Username" (with "CurrentUser" as a placeholder), "Email" (with "user@example.com" as a placeholder), and "Password" (with "New password" as a placeholder). A blue "Update Profile" button is at the bottom of this section. A red arrow labeled "manage profile" points to the "Username" field. The bottom section, titled "My Book Offers", shows a card for the book "1984" with details "Type: Sell (\$10)" and "Status: Available". Below the card are two blue buttons: "Edit" and "Delete". A red arrow labeled "My offers" points to the book card.

Requests

requests received for my books

The Hobbit

Requester: Alice

Transaction: Giveaway

Status: Pending

Accept

Decline

My Book Requests

Requests I have made

1984

Type: Sell (\$10)

Status: Available

Delete

Logout button

Logout

Step 5,6,7

Stage 4 folder in the following git repo:

https://github.com/taronsci/Epam_Spring_project.git