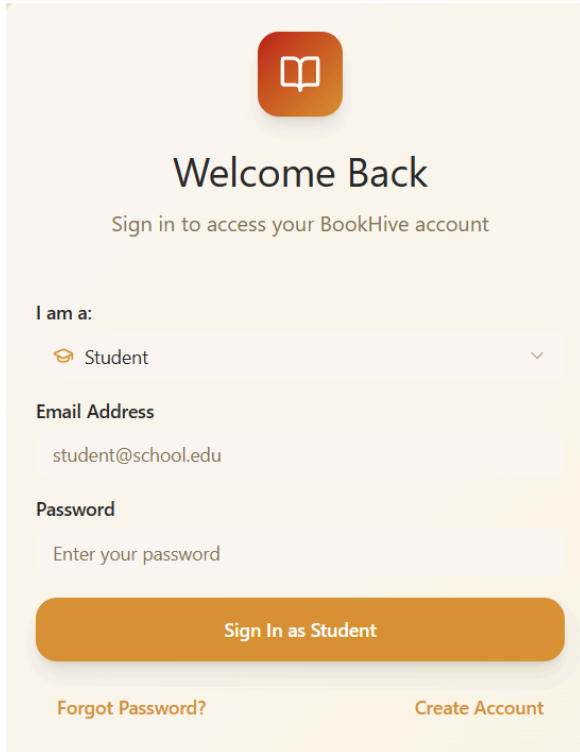


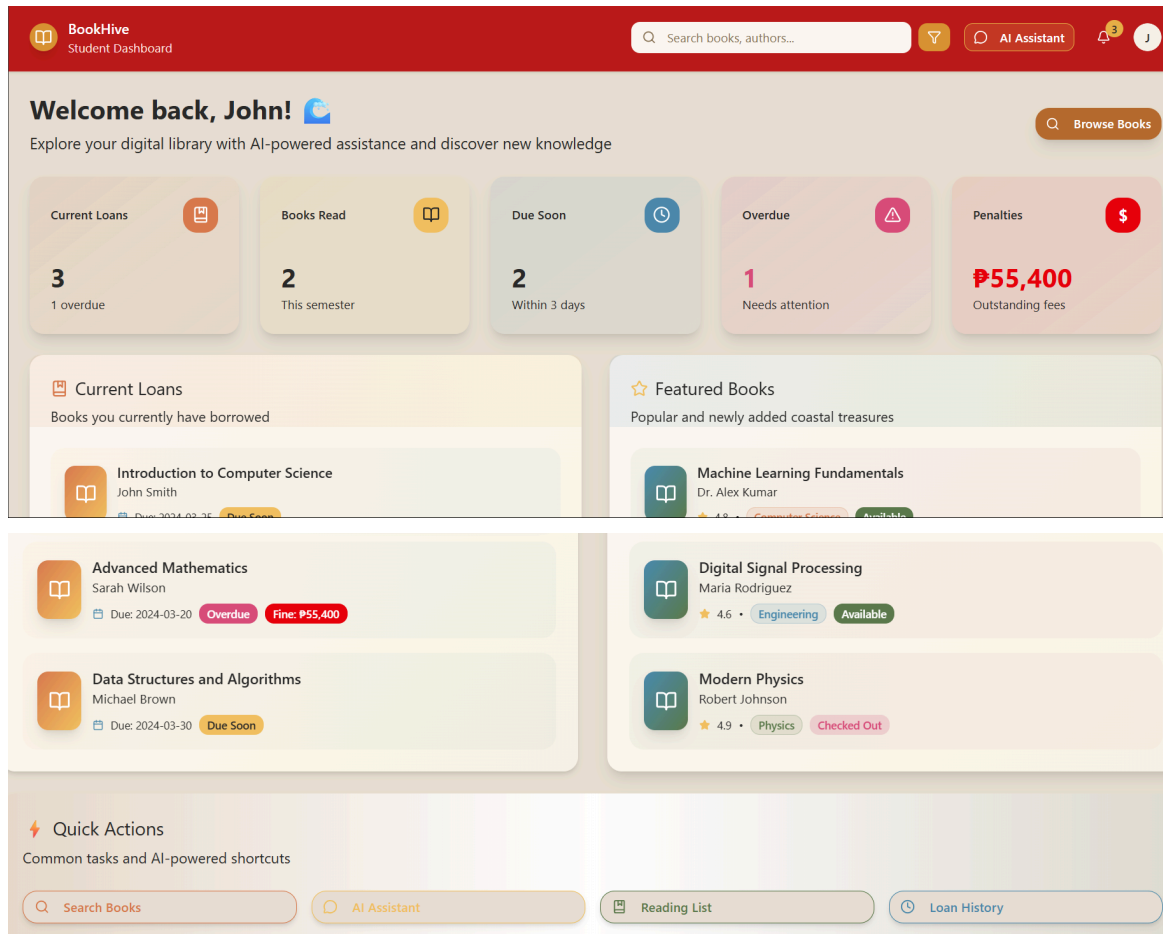
Acceptance Criteria – BookHive

1. Login Page

A mockup of the BookHive login page. At the top center is an orange square icon with a white book symbol. Below it, the text "Welcome Back" is displayed in a large, dark font, followed by "Sign in to access your BookHive account" in a smaller, lighter font. The form includes a role selector labeled "I am a:" with a dropdown menu currently showing "Student" and a small downward arrow. Below this is an "Email Address" field containing the text "student@school.edu". Underneath is a "Password" field with the placeholder text "Enter your password". A large orange button labeled "Sign In as Student" is positioned below the password field. At the bottom of the form, there are two links: "Forgot Password?" on the left and "Create Account" on the right, both in a small, orange font.

- a. The login form must display fields for **username/email** and **password** immediately after the page loads.
- b. A **role selector** must be available for choosing Student or Librarian.
- c. Clicking "Login" must redirect users to:
 - **Student Dashboard** if role = Student
 - **Librarian Dashboard** if role = Librarian
- d. Clicking "Forgot Password" must open a password recovery modal.
- e. Clicking "Register" must redirect to the registration form (if self-registration is allowed).
- f. **Requirement:** A user cannot log in as **Student** unless their account has been added/approved in the **Librarian Dashboard's User Management** page.

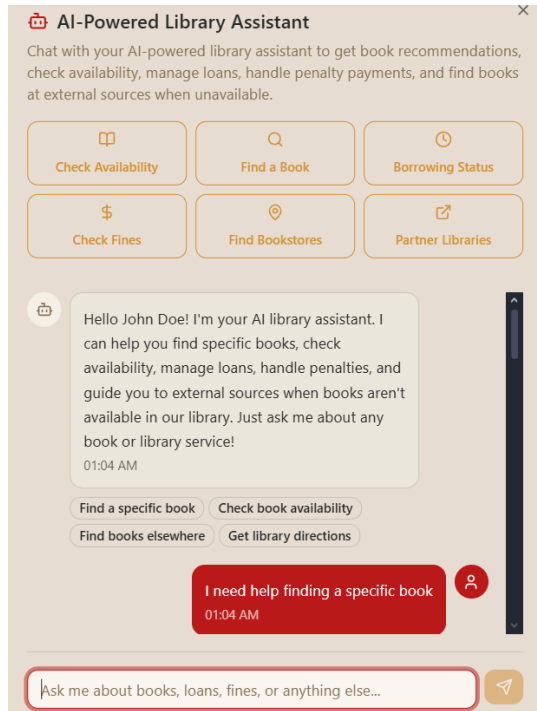
2. Student Dashboard



- A. The dashboard must show a **welcome message** with the student's name.
- B. A **search bar** must be visible at the top, allowing search by:
- Title
 - Author
 - Genre
 - Availability
- C. When the search is performed, the result grid must populate dynamically with matching books.
- D. Clicking a book must open the **Book Details modal** showing:
- Title, Author, Genre, Date Added
 - Quantity Available
 - Borrow/Reserve button
- E. **My Account page** must display:
- Borrowing history

- Current loans with due dates
- Overdue books highlighted in red with corresponding penalty amounts

F. **AI Chatbot modal** must open when the chatbot icon is clicked and allow:



- Checking book availability and where it can be found if unavailable
- Showing borrowing status
- Suggesting similar books
- Checking for penalty and overdue

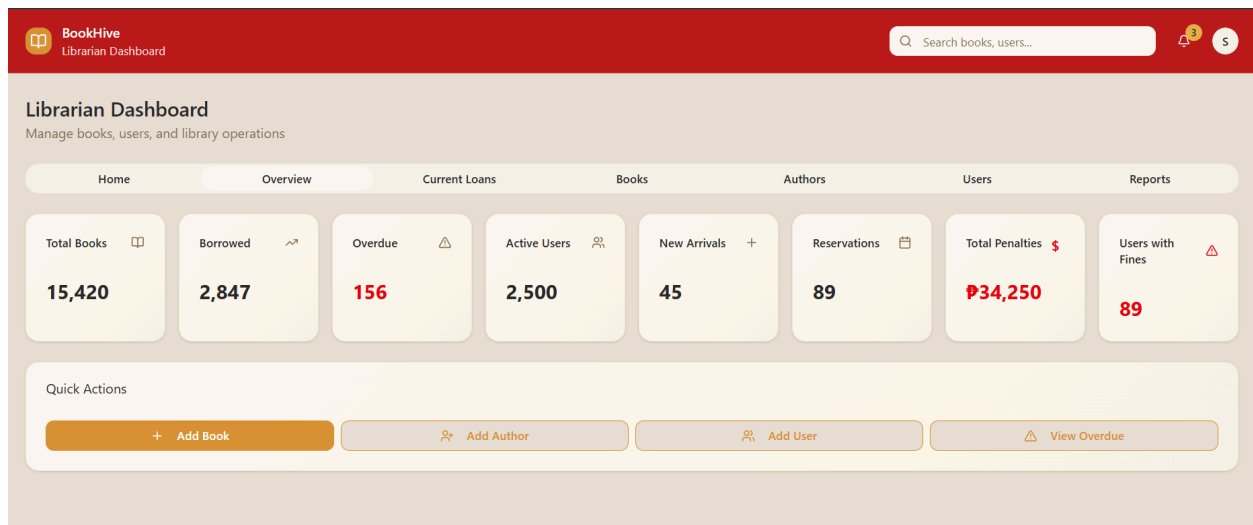
G. **Notifications panel** must show:

- Due date alerts
- New arrivals (sorted by most recent)
- Overdue and penalty reminders

H. **Profile Settings** must allow:

- Editing personal information
- Changing password

3. Librarian Dashboard



- A. The dashboard must display **summary cards** for:
 - Total books
 - Books currently borrowed
 - Overdue books
 - Total penalties collected and outstanding penalties
- B. Clicking “Books Borrowed” must show a table with:
 - Book title
 - Borrow date
 - Due date
 - Return date (if available)
 - Current status
- C. **Authors page** must display a list of authors with an “Add Author” button.
- D. Clicking “Add Author” must open a modal to input author's name and biography.
- E. **Add Book page** must have fields for:
 - Title
 - Author (select or add new)
 - Category/Genre
 - Date Added
 - Quantity of copies
- F. **User Management page** must allow:
 - Viewing all students
 - Assigning/removing roles
 - Editing or deactivating student records
- G. **Notifications panel**
 - System alerts
 - Overdue/fine reminders
- H. **Penalty Management:**
 - Librarians can extend due dates for loans.
 - System automatically calculates penalties for overdue books.
 - Librarians can confirm, waive, or adjust penalties.

- Penalty status (paid/unpaid/waived) must be visible.
- I. **Profile Settings**
 - update information
 - change passwords

4. System-Wide Criteria

- a. Passwords must be hashed and stored securely.
- b. Every borrowing, returning, penalty assignment, due date extension, and inventory update must be recorded in **AuditLogs** with user_id, timestamp, and action.
- c. Data integrity must be maintained. No orphaned loans (book_id/student_id must exist). System must validate the quantity before allowing a book to be borrowed (cannot be less than 1 available).
- d. All critical actions (borrow, return, and delete book, apply penalty, extend due date) must have confirmation modals.
- e. **Overdue Handling:**
 - i. Loans not returned by due date are automatically marked as overdue.
 - ii. Penalties are computed daily or per system-defined rules.
 - iii. Students cannot borrow new books until existing penalties are cleared.