User Type: Librarian

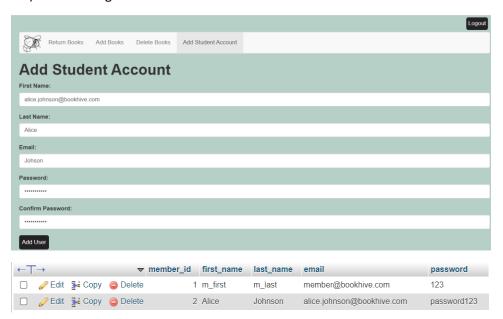
Librarian Subsystem Data Flows:

Action	Input Data	Database Tables Affected	SQL Used
Add Student	First Name (string)	Members	INSERT
	Last Name (string)		
	Email (string)		
	Password (string)		
Add Book	Title (string)	Books	INSERT
	Author (string)		
	Description (string)		
	Genre (string)		
Delete Book	None	Books	DELETE
Return Book for	None	Books	UPDATE, SET
Student			

End to End Test Sequences:

1. Add Student

- 1.1) Click Librarian Login in home page nav bar.
- 1.2) Enter Librarian credentials and click Login.
- 1.3) Click Add Student
- 1.4) Enter information in the form provided and click Add User.
- 1.5) Click the Logout button.



2. Add Book

- 2.1) Click Librarian Login in home page nav bar.
- 2.2) Enter Librarian credentials and click Login.
- 2.3) Click Add Books.
- 2.4) Enter information in the form provided and click Add Book.
- 2.5) Click the Logout button.



3. Delete Book

- 3.1) Click Librarian Login in home page nav bar.
- 3.2) Enter Librarian credentials and click Login.
- 3.3) Click Delete Books.
- 3.4) Use Search or Filter Options:
 - 3.4.1) Enter author, title, or description in the search bar at the top and click Search.
 - 3.4.2) Enter a Title in the Filter by Title bar under Filter Options and click Apply Filters.
- 3.4.3) Enter an Author in the Filter by Author bar under Filter Options and click Apply Filters.
- 3.4.4) Select an option from the Filter by Availability dropdown under Filter Options and click Apply Filters.
 - 3.4.5) Enter a combination of filters under Filter Options and click Apply Filters.
- 3.5) Click the Delete button for the intended book.
- 3.6) Click the Logout button.



In PHPMyAdmin, the book will no longer be found

4. Return book for a student

- 4.1) Click Librarian Login in home page nav bar.
- 4.2) Enter Librarian credentials and click Login.
- 4.3) Click Return Books.
- 4.4) Use Search or Filter Options:
 - 4.4.1) Enter author, title, or description in the search bar at the top and click Search.
 - 4.4.2) Enter a Title in the Filter by Title bar under Filter Options and click Apply Filters.
- 4.4.3) Enter an Author in the Filter by Author bar under Filter Options and click Apply Filters.
- 4.4.4) Select an option from the Filter by Availability dropdown under Filter Options and click Apply Filters.
 - 4.4.5) Enter a combination of filters under Filter Options and click Apply Filters.
- 4.5) Click the Change Status to Available button for the intended book.
- 4.6) Click the Logout button.