MOBILE APPLICATION DEVELOPMENT

KOLB LIBRARY



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Application Overview

The Kolb Library mobile application manages issuance of books to administrators, teachers, and students and provides other information about the school library.

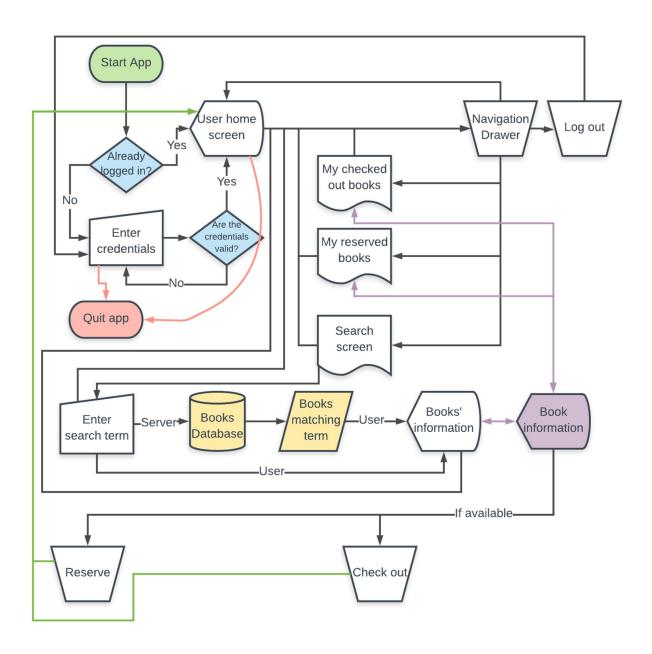


Main features of the application include ability to:

- Search for a book based on keyword, title, author, or subject
- Sign In using a native account or a Google account
- Reserve and check out books
- Share book information and comments via
 Twitter
- Report bugs in the application
- Pinch-to-zoom enabled map of the school library
- Push notifications to users via Google when a book is overdue
- Maintain user accounts and books
- View Inventory of books reserved and checked out
- Approve reservations or checkouts

Application Flow Chart

A high level flow of the system is shown in the following diagram:



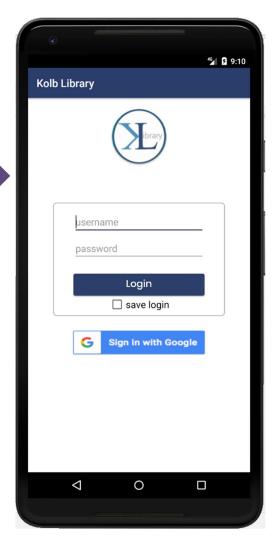
Operating Manual
User Operations

Launch the application

Tap on the application icon on your Android device. The App will launch and the splash screen will be displayed



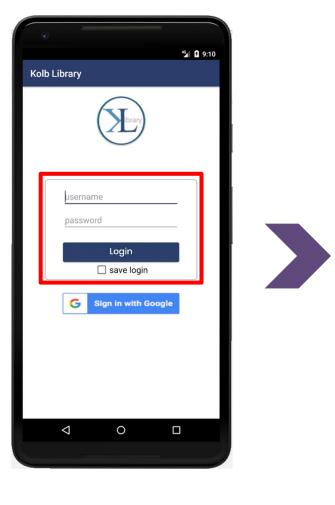
Login Screen will be displayed after 8 seconds.



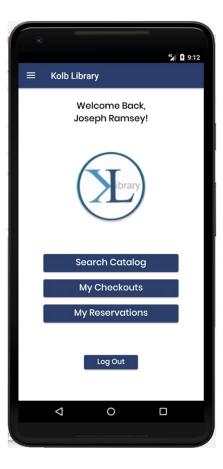
Sign In the Application

A user can sign in using one of the 2 methods: 1) Sign In using Kolb Library Account 2) Sign In using Google Account

Type Username and password and tap on Login button

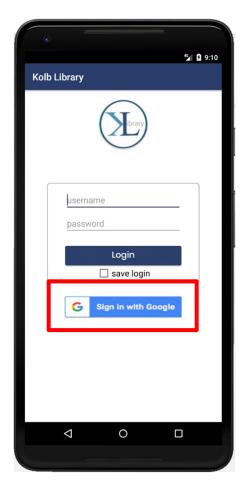


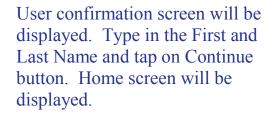
Home screen will be displayed if the login is successful

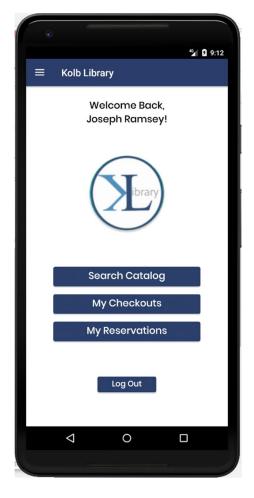


Sign In the application with Google Account

Tap on **Sign In with Google** button



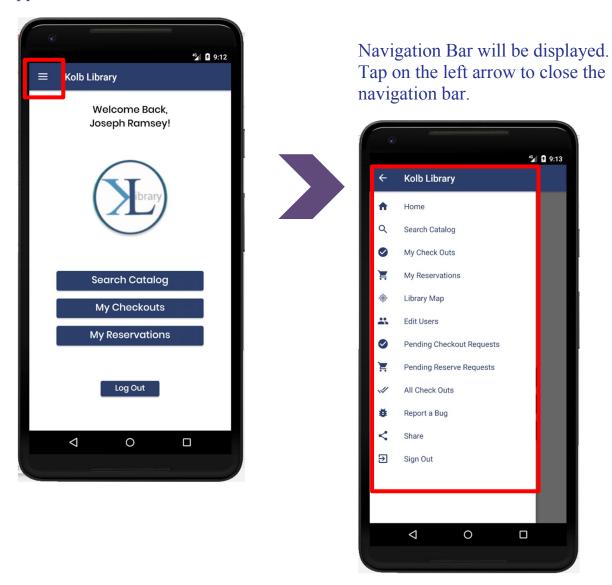




Navigation Bar

Navigation Bar allows a user to easily navigate from one screen to another.

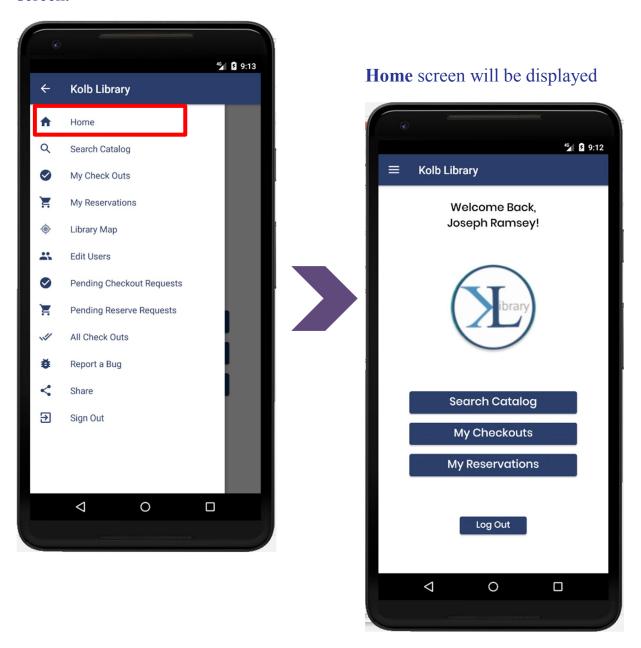
Tap on the Drawer icon in the upper left corner.



Home Screen

User can navigate to the Home screen from any other screen using the Home button on the Navigation drawer.

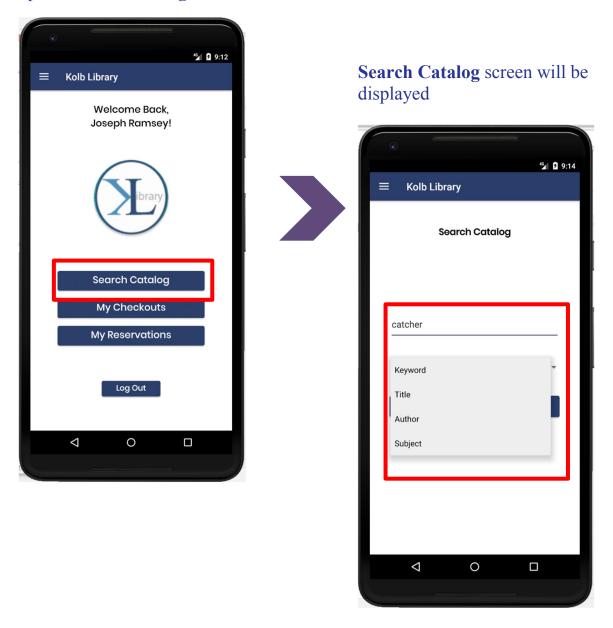
Tap on the **Home** button on the navigation bar to go to the Home screen.



Search Catalog

Search Catalog button open the Search Catalog screen for searching.

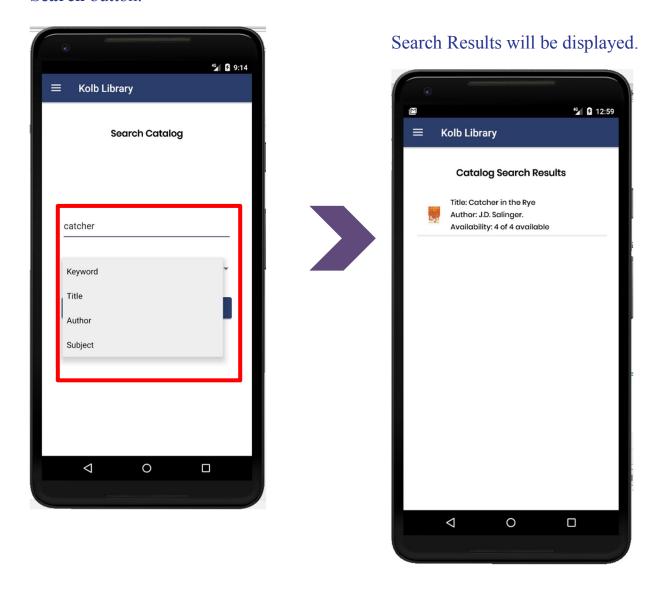
Tap on **Search Catalog** button



Search Catalog Results

Search results are listed in a table. User can tap on a row to view the details of the book.

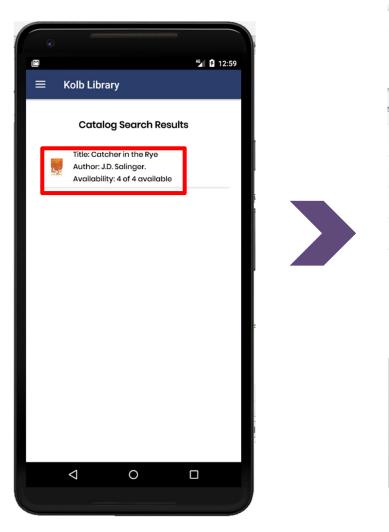
Type a keyword to search, select the search field and tap on the **Search** button.



Book View

Book View screen provides details on the selected book. You can check out a book, join the wait list, or share the book via Twitter.

Tap on the search item to display book details



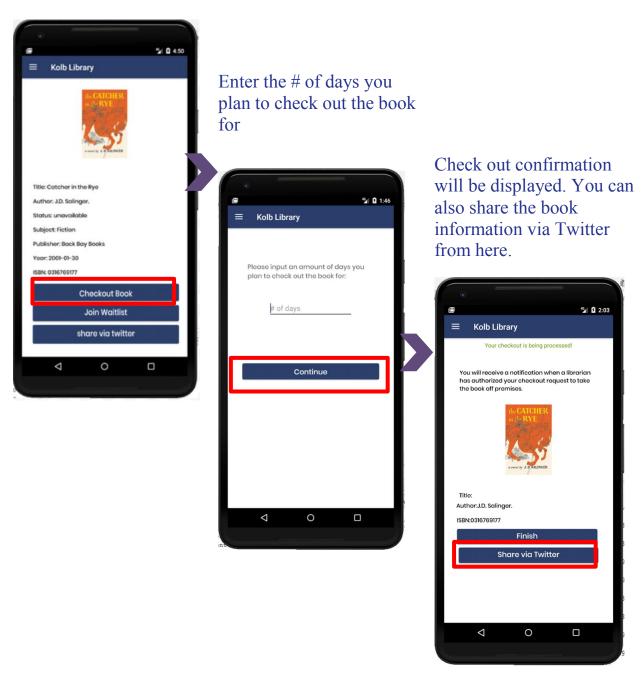


Detailed Book View will be displayed

Check Out a Book

User can check out a book from the Book View screen.

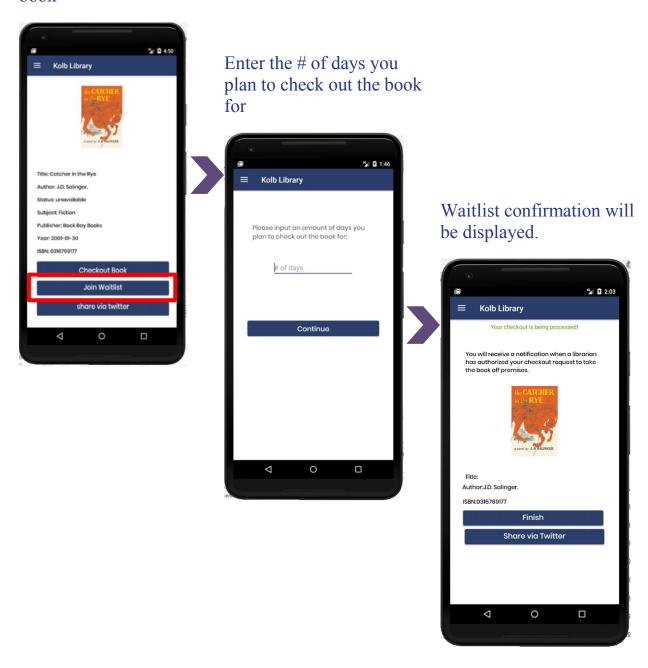
Tap on **Checkout Book** button to check out the book



Join a Waitlist

User can join the wait list for a book from the Book View screen.

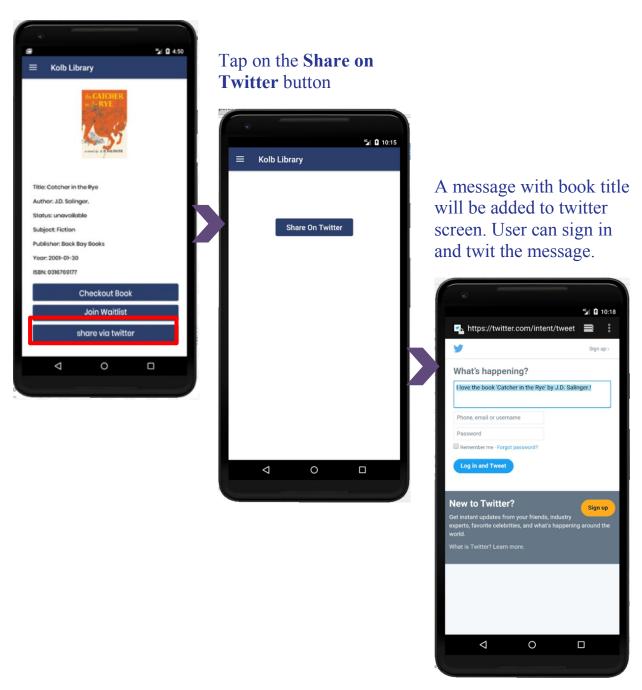
Tap on **Join Waitlist** button to check out the book



Share via Twitter

User can share book information via Twitter

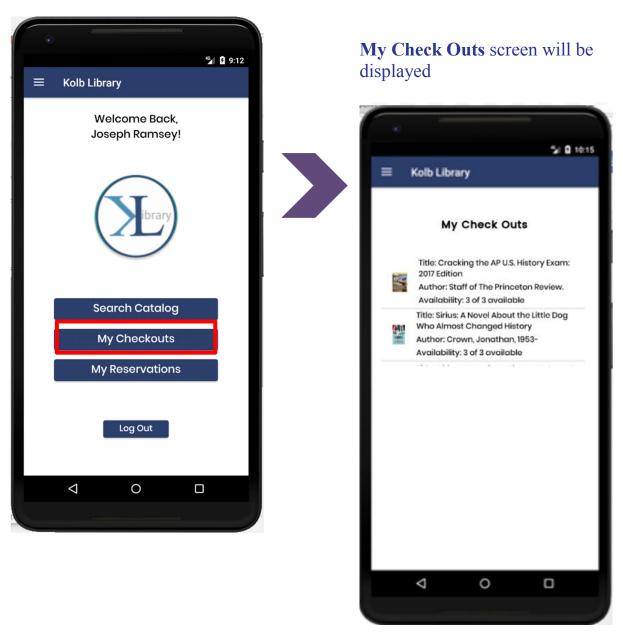
Tap on **Share via Twitter** button to share



My Checkouts

A user can view his/her book check outs from the **My Check Outs** button from Home screen. The feature is also available from the **My Check Outs** button on the Navigation drawer.

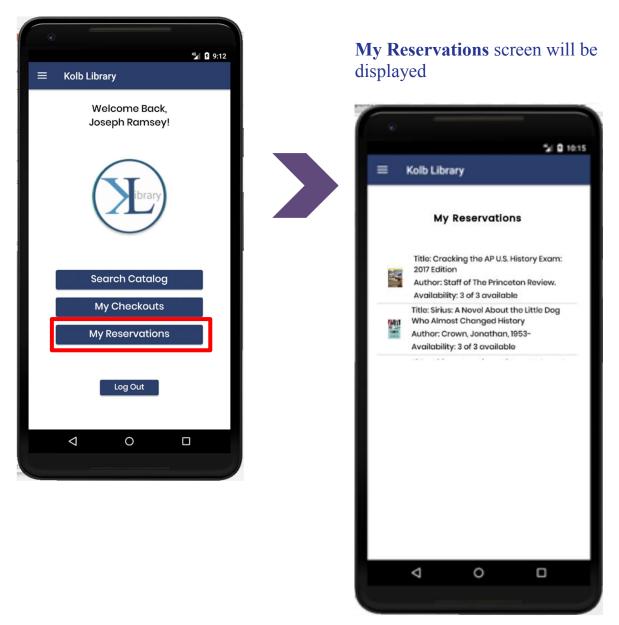
Tap on My Checkouts button



My Reservations

A user can view his/her book reservations from the **My Reservations** button from Home screen. The feature is also available from the **My Reservations** button on the Navigation drawer.

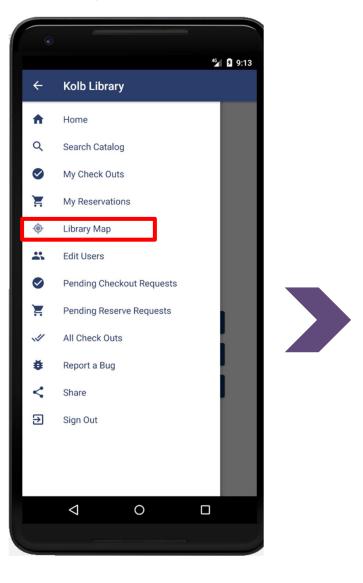
Tap on My Reservations button



Library Map

User can view the library map from the **Library Map** button on the navigation drawer

Tap on the **Library Map** item on the navigation drawer



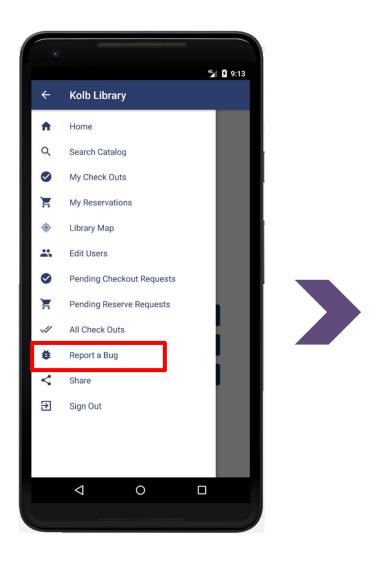
A pinch-to-zoom enabled library map will be displayed.



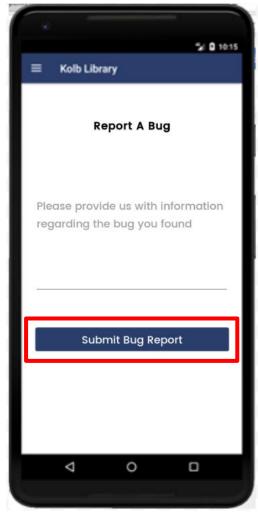
Bug Report

User can report a bug in the application using the Bug Report screen.

Tap on the **Report a Bug** item on the navigation drawer



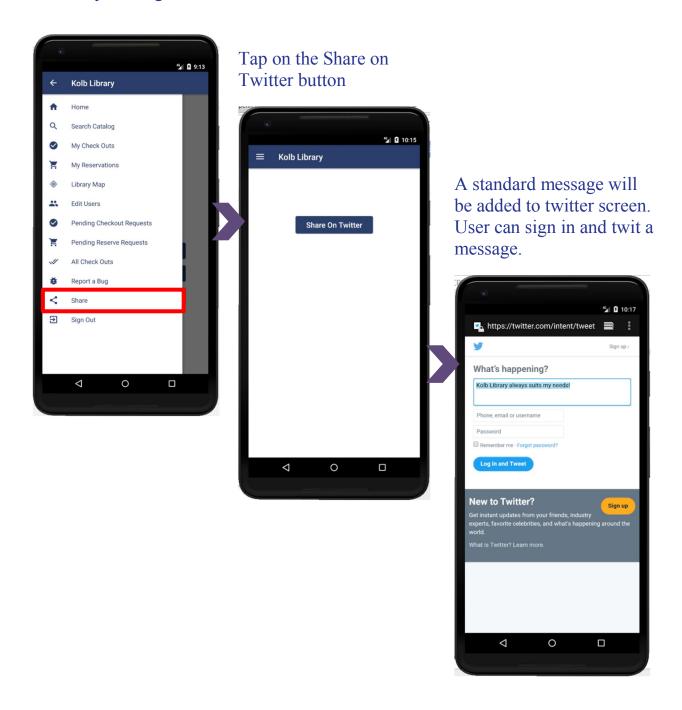
Type in the bug report and tap on **Submit** button to send the report.



Share

The application provides a feature to twit directly via **Share** button on the navigation drawer.

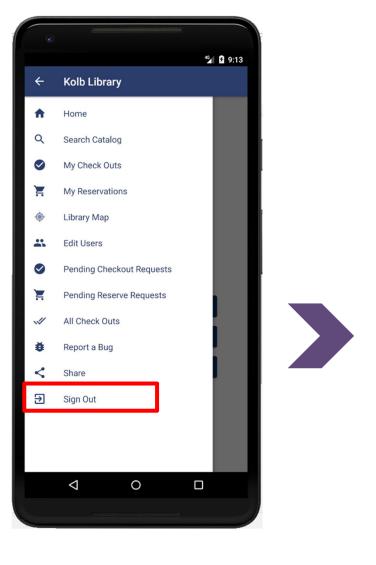
Tap on **Share** button to share any message



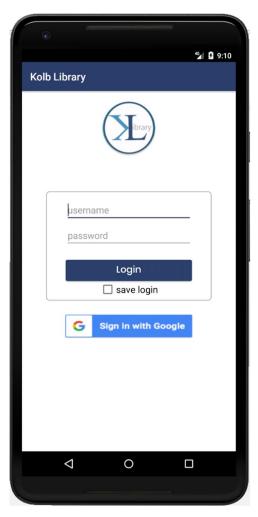
Sign Out

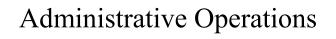
User can sign out of the application via the **Sign Out** button on the navigation drawer. The **Log Out** button from the Home screen is also available for sign out.

Tap on the **Sign Out** button on the navigation drawer



User will be signed out of the application and the Login screen will be displayed.

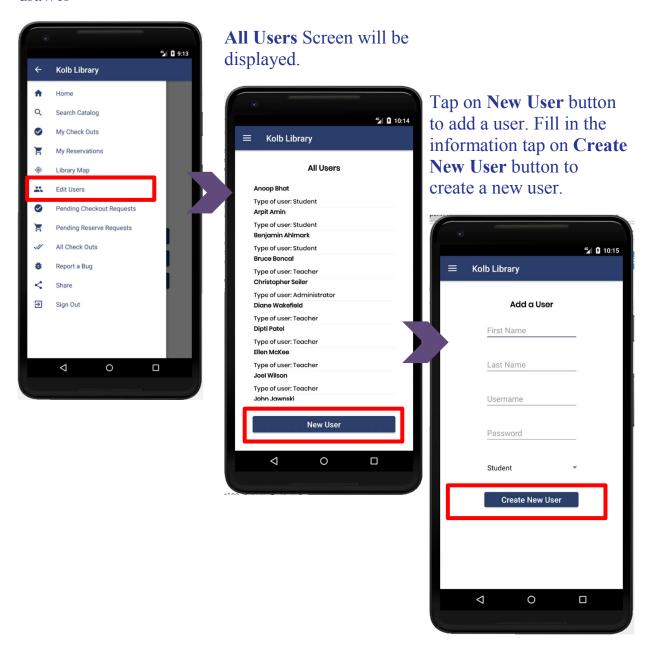




Edit Users

Library Administrators can manage user accounts from the Edit Users screen.

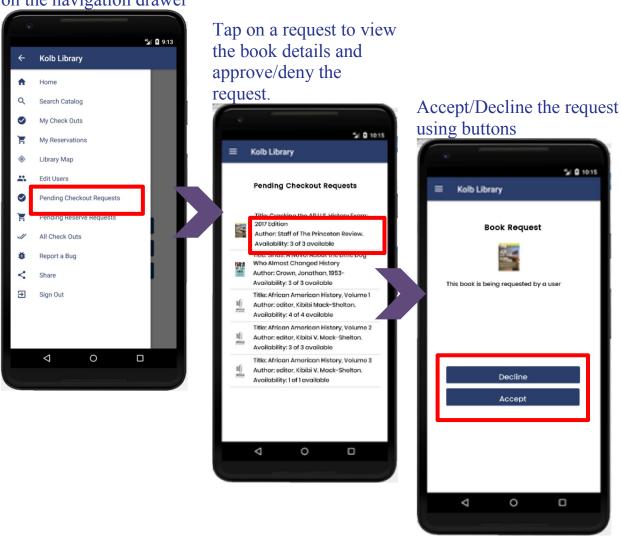
Tap on the **Edit User** item on the navigation drawer



Pending Checkout Requests

Administrators can view pending check out requests and approve/deny a request.

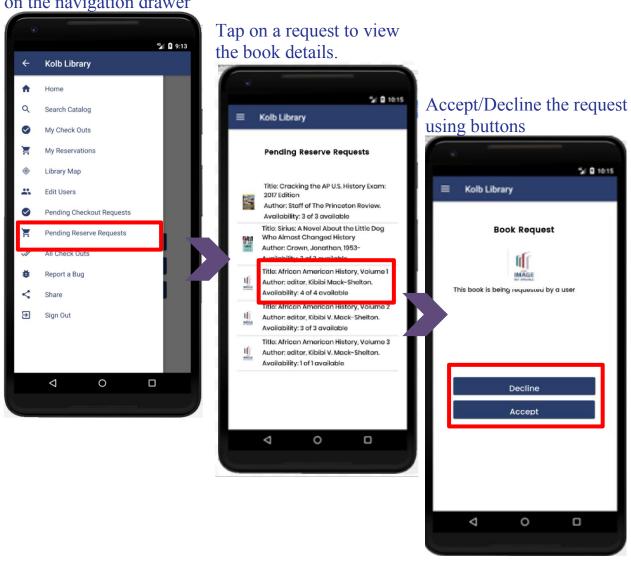




Pending Reserve Requests

Administrators can view pending check reserve requests and approve a request.

Tap on the **Pending Reserve Requests** item on the navigation drawer



All Check Outs

Administrators can view all checkouts and mark returned items.

Tap on the **All Checkouts** item on the navigation drawer

