

BOOKWORM

Overview:

Bookwork is a journal app for readers. It allows users to keep track of books they are currently reading, books on their to-be-read list (tbr), and books they have finished reading. Users can add dated journal entries for each book and give the book a final rating when they are done reading. The start and finished date (if done reading) of the book will also be displayed. In the goals page users can add goals in the checkbox list or add deadlines to the calendar. These deadlines will be added to both the calendar preview in the app and the phone's calendar app.

Testing:

This app was built for iOS 17.0 and the Iphone 15 Pro simulator on XCode 14.0. The only package dependencies are for Firebase. This includes FirebaseAuth and FirebaseCore. There is no data attached to the Firebase login, so testers can create a new account and have access to all the features. The app is only intended to be used in portrait mode.

There are example books pre-loaded into the app. These are there to give an idea of what the app looks like, but do not have the full functionality. These example books are not loaded into core data, so some of the functionality may not work. For example, you will not be able to delete the example books and journal entries added for these books may not be saved. Please create new books to test the full functionality of the app.

Checklist:

- The setting screen has three behavior: light mode, dark mode, and classic mode (the default is classic mode)
- Non-default fonts and colors are used throughout the app

Major elements:

- Firebase (to authentication users for the Login Screen)
- Core Data
 - Used to store data on books created, journal entries for each book, and goals added in the goals page

Minor element:

- Two additional views: segmented views, date pickers, picker views
 - Segmented View in the setting screen
 - Date pickers are on several pages including at journal entry page and and new current book page
 - Picker views are on the addDoneBookPage wich can be access by pressing finished reading on a currently book

- Table views
 - CurrentBookVC, access by selecting a current book
 - DoneBookVC, access by selecting a done book
 - Goals page
- Collection View, Stack View, Scroll View
 - The home page has 3 collection views with horizontal scrolling and 3 stack views all embedded in a scroll view
- Tab Bar buttons
 - The app features a bottom tab bar with bar buttons that allows you to easily toggle to the home screen, goals page, and the settings screen

Additional Elements:

- Alerts are implemented throughout the app
 - The create account button uses alerts
 - In the goals page the both add buttons use alerts
- User defaults are used to save the selected theme
 - This is managed in the file titled "File" and in the SettingsVC

Additional Frameworks:

- The Calendar framework
 - This is implemented in the goals page. You can add events that will show up in the calendar preview on the app and you phone's calendar app
 - If calendar access is not granted then these will only appear in the calendar preview in the app and not on your phone's calendar