

COSC2659 - iOS Development

Assignment 1 Documentation

App: My Book Wish List

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1. Introduce the app

Reading books is one of my favourite hobbies for leisure. Therefore, I built an app that could help me save a list of books that I want to read someday in the future. The app idea is similar to the wish list function in ecommerce websites.

2. Topic & Inspiration

Sometimes, I get some really good book recommendations while browsing the internet or talking to my friends. However, I do not always have access to my computer or notebooks, and I certainly do not want to use the native Note app on my phone as its interface is plain boring and easily gets messy as the number of records increase. That is why I would like to build my own app to manage a list of books that I might want to read in the future.

3. App Overview

This is an IOS app built with an intention to help users save a wish list of books that they might want to read in the future. In particular, the app keeps track of the book data and displays them in an intuitive user interface in which users can easily navigate through the list anytime they want. Regarding the book data, users can store some essential information about the book that they might want to recap such as book title, author, category, and description. This helps them quickly grasp an overview of the book so that they can decide whether to read or buy it whenever they retrieve the saved records. In addition, the app supports search functionality and an “Add to Wishlist” button that allows users to add new records.

The app is built and tested in the simulator of Xcode 13 in a Mac computer in RMIT lab. The device used to test on was iPhone 12 Pro which is highly recommended to run the app for the optimal experience and visual display.

4. Main & Extra features

Main features of the app include:

- *Home View:*

The main screen of the app where users can view a list of their saved books, look for a search bar, and find an “Add to Wishlist” button to add a new book.

- *Navigation list of books:*

A horizontal slider of saved books. Each book is presented as a portrait card with a thumbnail and a title of the book. This helps users easily navigate through the list and makes the interaction more interesting.

- *Detail View for each book:*

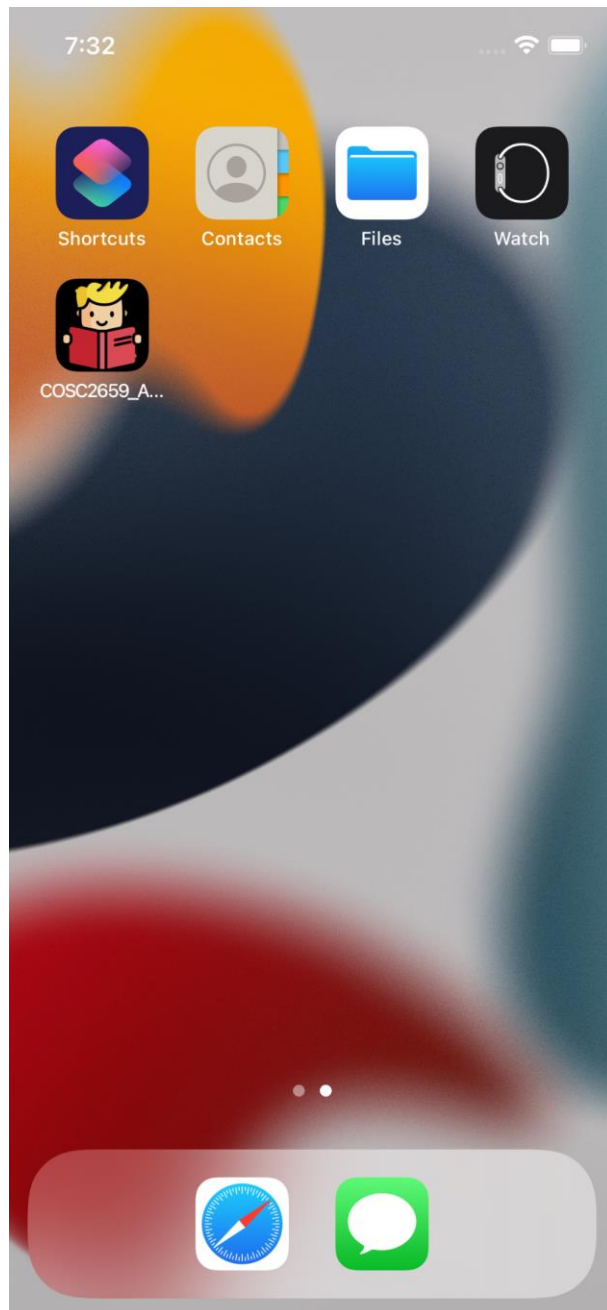
This view displays some essential detail of the book such as title, author, category, description.

- An eye-catching app icon so that users can quickly find the app on their iPhone home screen.

Some extra features:

- A splash screen that welcomes the users when they first launch the app.
- Loading animation in the splash screen.
- A search bar (refer to section 7).
- A Wish List button (refer to section 7).
- Category and author tag for the book detail.
- Book illustration in Home View.

5. Screenshots of different views of the app



Applcon on an iPhone (tested on iPhone 12 Pro)

8:51



My Book Wishlist





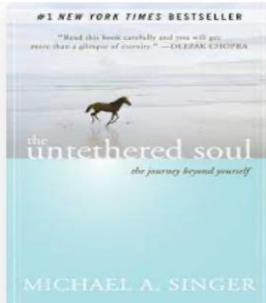
Splash View of the app

7:32

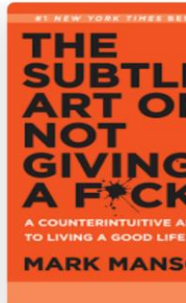


My Book Wishlist

 Harry Porter 



The Untethered Soul...
[See More >](#)



The Subtle Art of...
[See More >](#)

Found Something
Worth Reading?



Add to Wishlist



7:34



My Book Wishlist

 Harry Porter 



The ONE Thing: The...
[See More >](#)



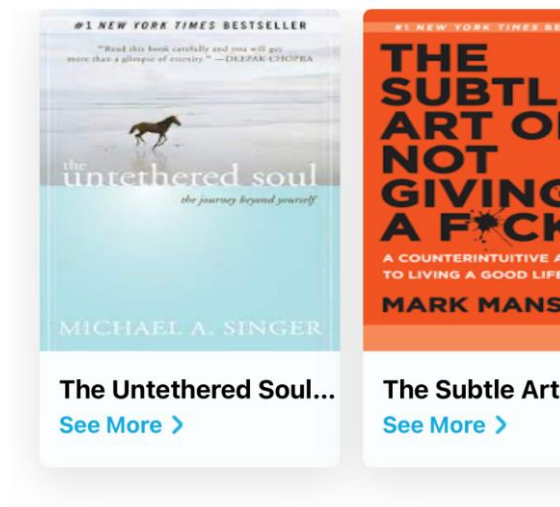
Rework
[See More >](#)

Found Something
Worth Reading?

Add to Wishlist



Home View of the app

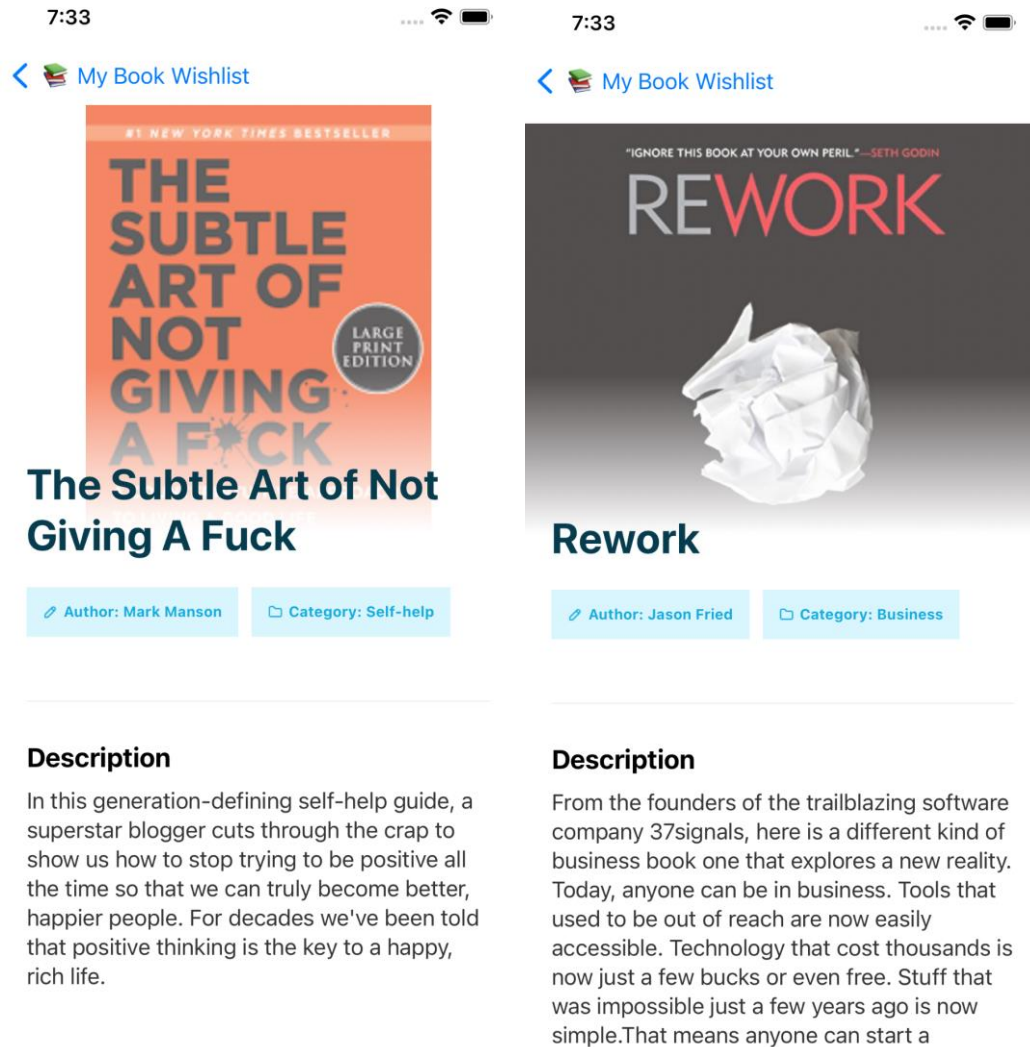


Found Something Worth Reading?

Add to Wishlist



Wishlist button and illustration



Detail view of the app

6. Link to demo video of the app

[Asm 1 Video Demo](#)

Notes: This is a link to an OneDrive folder containing one GIF file and one MOV file of the app demo. Please access with your RMIT account.

7. Potential idea for future features

Due to limitations in resource and capability availability, some features have not been fully delivered. Yet, the following features are in my plan for future development.

- *Search functionality:*

Currently the app only displays a search bar for visualisation. There is no actual search functionality that allows the user to find the book given a specific search query. For future improvements, I will attach an event listener to the component to catch the search query from which the app filter out matching items from an array of book data.

- *“Add to Wishlist” button:*

All the book data is saved within the app via an Array. This is not quite an optimal solution as I will need to manually add or update my book wish list from the source code whenever I want to update my list. To make this process much easier and efficient, I intend to connect the app with a Base like Firebase to manage the data. By doing this, I can separate the app source code which should be dedicated to building the app features, and the book data which should be managed with complete CRUD operations in Firebase.

- *Responsiveness:*

The app is being built and delivered for iPhone users, mostly in device iPhone 12 Pro (IOS 15.0). In the future, once the other features are fully developed, I am going to further optimise the app experience in terms of user interface (UI)/user experience (UX) on larger screen devices like iPads or Macbooks and iMac. Obviously, the code might need some appropriate modifications for the app to work properly in the respectively operating systems, MacOS and iPadOS.