

COMP 271 Final Project Proposal

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App Name: BookBox

Project Description:

BookBox provides a book review community where people can post their thoughts and favorite quotes about the book and see other users' posts as well. This community can help the users to explore more interesting books, establishing good reading habits and enjoy the simple happiness of sharing thoughts.

Targeting at civilized public aging from 18-40 who have spare time for reading and are willing to engage in social media environment. No restrictions on job, education or technology experience etc. Users should in favor of neat, simple but organized app style.

What we propose to do is to create an app that will do the following:

- | The system shall allow users to create profiles using their email address; 
- | The system shall have a user profile where lists the user's basic information and all the history posts. There are two buttons that allow users to "contact us" and "log out";
- | The system shall allow users to add new posts where they can share thoughts or reviews on the book they have recently been reading;
- | The system shall present a community space as a listview where users can see all the posts posted by other users and each list item is clickable for detailed information and also contain a button for likes;
- | After directing to the detailed pages, the system shall allow a user to view all the information the author wrote and leave comments under the post.

We plan to incorporate the following features:

- | Data storage using SQLite - We will build an in-app database as our database backend for the system. (20 pts)
 - SharedPreferences
 - Save data in a local database using Room
- | Data storage using file read/write or data serialization read/write (15 pts)
 - Auto save the draft post (post not submitted and not empty)
- | Open shared activity / features. (5 pts) Allow users to contact us via email
- | Consume a pre-built web service(15 pts)

Book Database API for auto filling in the post edit page

Wireframe Description:

Login:

The front page lets user to log in or new user to sign up; and allow users to contact us via email if they have problem open the app.

Community:

Once the user is logged in, the app will lead the user to community page where all user posts are listed in listview. The heart is clickable and represented as “like the post”. The list is sorted based on time on default(every update would list the latest post on top), and user can choose to sort the posts by like by clicking the sort icon on top right. Log-in user profile can be accessed through the top left user ID photo(clickable). There is a search box hidden in the search icon on the top right where user can directly search with keywords. There is a “write new post” floating action button in the right bottom corner, if clicked, would direct user to the new post edit page. Each list item in this view is also clickable, and would direct user to detailed post content page if clicked.

New Post:

Contains several input text boxes: Book Title and Author input boxes are linked to third-party book database, which would offer complete string according to partially input String; Favorite Quote input box is the only input that is optional, has word limit of 40; Thought input box has word limit of 300. Also contains a five star rate button and a submit button. User can submit only if all input requirement is fulfilled, otherwise, the draft would be saved automatically to local drive and next time the user open a new post page, the draft would appear.

User Profile:

By clicking at the user information, the page goes to User Profile where it has the user's nickname, photo and a short description. If the user click log out, then they will be brought back to sign-in page. Beneath, there is button that can let the user to see his/her own post history and a button allows the user to contact us -- if clicked, their email app will be open.

Post History:

If you click the post history in User Profile, there will be a listview of posts. Each listview item has a book title, reviews and comments and likes. This listview items are also clickable, that will leads to the Detailed Post page.

Detailed Post:

By clicking the posts(either from community or history post), the user can see the detailed post with the creator's profile and everything they include in their post : "Booktitle", "Quotes", "Reviews", "Rate" and the book cover picture fetched from the third-party database if available. Then there listed some comments from other users. At the bottom, there's a fixed bar with two button "comment" and "like". If comment button is clicked, an input text bar would appear, if submitted successfully, user could add a comment. If user add a comment or clicked like, the comment and like count of the post would also update in listView.

Signup Page:

Need user to input: Username and a brief, word-limited Introduction for social purpose, Email Address and Password for login, and Password Confirmation for preventing user typo in inputting password. All input box have to be filled to sign up successfully. User could also choose to select a photo from gallery to use as ID photo, if not selected, they would be assigned with a default picture. These information would not be able to change once submitted in version 1.0.0..





BookBox

Email

Password

Log-in

< Sign-up

< Contact Us



Sign Up

Username

your nickname

Introduction

(optional) Introduce yourself briefly: what kind of books do you like? Who's your favorite author? etc.

Email
Address

for login and contact us use

Password

for login

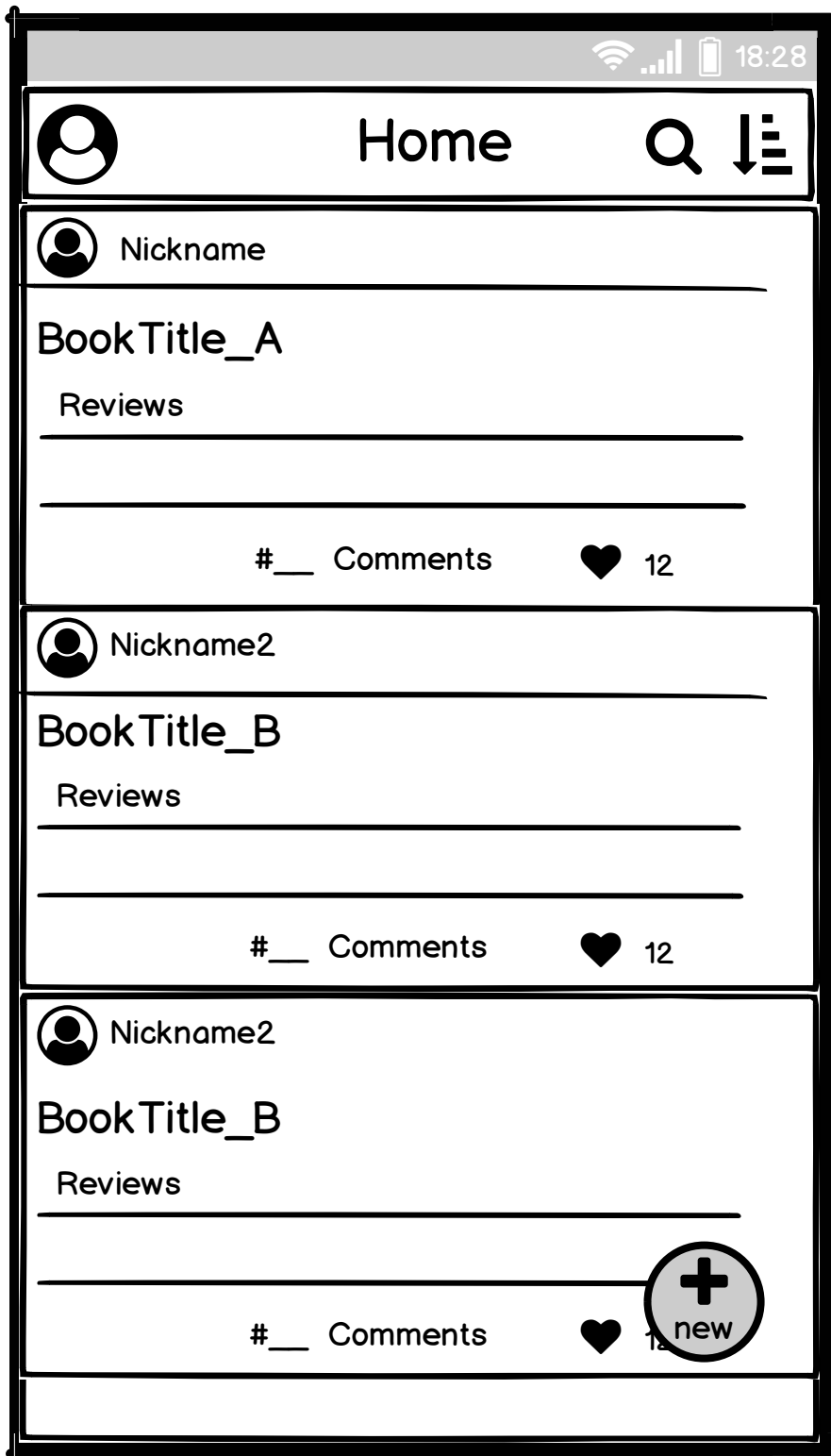
Confirm
Password

please confirm again

Add ID photo



Sign Up





Post Content



Willy

Chocolate Factory Own

Charlie and the Chocolate Factory "Fifty years ago"



Rates: ★★★★★

Reviews:

Not too sweet, not too tart, this book gently, humorously, and cleverly, but unmistakably messages children to be kind, not greedy, not selfish, not rude, and not addicted, whether to food, power, or entertainment.

Comments:

User A:

Good!



User B:

Not so Good.



User C:

What?



comment

like



New Post

Book:

Author :

Favorite Quote:

Rate:



Thoughts:

0/300

Submit



My Profile



Nickname

Intorduction: Hello readers!

Log Out

My history posts

Contact Us





18:28



My Post History

BookTitle_A

Reviews

#__ Comments



12

BookTitle_B

Reviews

#__ Comments



12

BookTitle_B

Reviews

#__ Comments



12

