

## **Final Project Documentation**

### **Major Features/Screens:**

#### **1. Home:**

The Homepage will present all the history posts the user has written. Swiping the screen or click the profile button, there is a sidebar listing a simple user profile and has a list of items including a “Contact Us” item that allows the users to contact us via email if they have any questions or suggestions; a search button that allows users to search through the posts by tags or keywords; a sort button to rearrange the post by time or rate. All the posts should appear in a listview. These listview items are clickable, that will leads to the Detailed Content page. There is a “write a new post” floating action button in the right bottom corner if clicked, would direct the user to the new post edit page.

#### **2. Book Search:**

This feature allows users to create the new post either by searching a book in the OpenLibrary API or create their own new post.

#### **3. New Post:**

Contains several required input text boxes: “Book Title”, “Author” and “Thoughts”. And optional input text boxes “Favorite Quote” and “Tags”. Users can use the camera function to take a photo of the book cover and store it in the gallery. If they take a photo, the picture will be presented in the image view below. The page also contains a five-star rate button and a submit button. The user can submit only if all input requirement is fulfilled; otherwise, the draft would be saved automatically to a local drive, and next time the user opens a new post page, the draft would appear.

#### **4. Detailed Post:**

By clicking the posts, the user can see the detailed post with “Book Title”, “Quotes”, “Rate”, “Tags”, “Reviews”, and the book cover picture. On the bottom, there is a delete button where allows the user to delete the whole post and modify the SQL data.

### **Optional Features : (more detailed test can be found in test document)**

#### **15 pts - Camera:**

In the New Post Activity, clicking on the camera image, the user can use the camera function to take a photo of the book cover and store it in the gallery. Or choose a picture

from the gallery to set as a book cover. The picture will be presented in the image view below.

**15 pts - Consume a pre-built web service :**

In the Book Search Activity, enter the book title in the search box and this will return a list of books that match with the word typed in. Click the book they find will lead to a new post page with a book title, author, and book cover auto-generated.

**20 pts - Data storage using SQLite:**

In the New Post Activity, once the user clicks the submit button, all the input information will be stored in external storage using SQLite. And return to "Home" page. In the Detailed Post Activity, a delete button allows the user to erase the whole post. And return to the "Home" page with updated data.

**5 pts - Open shared activity / features:**

In the navigation bar on Home Activity, the "Contact Us" item can be clicked and open the email app that allows users to send email to us if they have encountered problems.

Total Points: 55 pts

**No additional Usage**