IERG4999 SJ01 Final Year Project II

Final Consolidated Logbook

Cross-platform Application Development

Group: S1

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Date: 21/4/2023

Final Consolidated Logbook

Date	Work done during the week	Challenges/Problems	Task planned for next week
30/1	Finished the Inventory system and the upload function.	Using the image hosting service from Imgur.	Setup AWS cloud server and network for connecting to the app.
6/2	Finished setting up the AWS cloud server and the network. Got the apple developer account as well.	Setting up a AWS cloud server at a closer distance (Singapore) and getting the developer account.	Implement the Search function and a list view to browse books.
13/2	Finished the Search and Browse page for users to look for a book.	Implementing the search function in the Search page.	Finish up the Search page and start developing the Chatter.
20/2	Done with the Search page and the initiate stage of developing the Chatter.	Finding a nice UI package for chat dialog boxes and implementing the structure of storing messages.	Finishing the Chatter and get the first message to be sent out.
27/2	Finished the Chatter and users now can chat with each other.	The whole process of implementing the Chatter.	Deploying the app to TestFlight and test it on our iPhones.
6/3	Deployed the app on Testflight.	The process of generating a successful build to archive and upload it to TestFlight.	Try to get some feedback from other users and to add image in Chatter.
13/3	Implementing the TradeBucket.	The structure of storing book lists for users and the functions to modify the list.	Finish up the TradeBucket.
20/3	Finished TradeBucket.	To have 2 tabs in the TradeBucket page for a pair of users.	Improve UIs and the UX for better experience.
27/3	Improved buttons and SnackBars for better instructions.	To understand my unstructured noddle codes and UI overflow bugs.	Ask a friend and get some user feedback.
3/4	Added info buttons from feedback for better instructions.	To find a best way that user can interact with.	Deploy it on an Android platform to test out the "cross-platform application"
10/4	Successfully deployed on Android Google Pixel Series.	Some codes and UI placement need to be rewritten to fit the screens.	Fix the UI overflow issue and start on the final report.

Note that, the below logs are not submitted through the system, it's just a personal log that logs the development process after 10/4.

Date	Work done during the week	Challenges/Problems	Task planned for next day/days
12/4	Fixed the UI for the overflow problem.	To find the right function to display the list.	Plans for including ChatGPT in the app.
14/4	Planned what to add in the app for using the ChatGPT.	Getting the use of ChatGPT (Hong Kong is forbidden to use GPT since "Hello Hong Kong! ")	Find a way to use ChatGPT.
16/4	Found a way to get the API Key for using openAI resources.	Getting a number from foreign countries for verification.	Start to study and use the openAI API.
17/4	Tried the first call on using the openAI API.	Not much, just need to spend time reading the documents.	Develop a page for displaying the book recommendation from using GPT
18/4	Crated a simple page to display results.		Design a prompt that is efficient in using tokens and giving an accurate result.
19/4	Finish setting up the prompt.	It took me a day for making a good prompt since GPT is always providing fake ISBN numbers with the corresponding book. **Truth is hard, GPT lies!**	Finish up all the UIs and create a node API for calling the book recommendations.
20/4	Finished the UI and the node API.	After having the suggested book title from GPT, I still need to get a correct ISBN with the title. I then used the GoogleBook API for retrieving the correct ISBN and feeding it into an OpenBook API for getting the results of the corresponding book from multiple sources.	Finish up the whole project and the final report :D

The Chinese University of Hong Kong
Academic Honesty Declaration Statement

Submission Details

Student Name	YEUNG Tang (s1155144676)
Year and Term	2022-2023 Term 2
Course	IERG-4999-SJ01 Final Year Project II
Assignment Marker	Professor ZHANG Kehuan
Submitted File Name	1155144676_Final_ConsolidatedLogbook.pdf
Submission Type	Individual

Assignment Number	4	**Due Date (provided by student)**	2023-04-22
Submission Reference Number	3655157	**Submission Time**	2023-04-21 03:25:07

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_____   21/4
Signature (YEUNG Tang, s1155144676)   _____
                                                                          Date

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