

MAPUA MALAYAN COLLEGES LAGUNA
Pulo-Diezmo Road, Cabuyao, Laguna

GIYOMI BOOK

A Project Presented to
Mapua Malayan Colleges Laguna
College of Computer and Information Science

In Partial Fulfillment
of the Requirements for the Course of
INTEGRATIVE PROGRAMMING AND TECHNOLOGIES

Made by:

Delos Santos, Cristian Jay
Escote, Romel Joshua
Mendoza, Ian James
Nazareno, Bianca
Rivera, Riane Michael

Project Description:

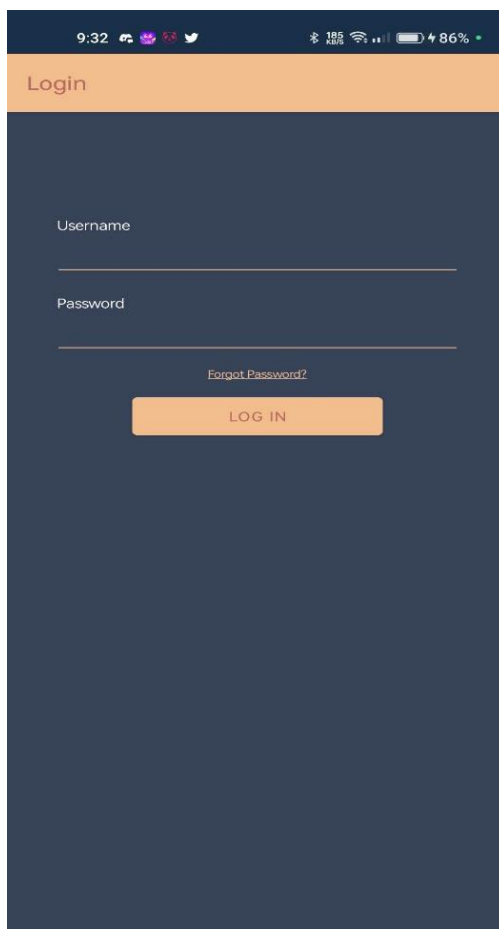
Giyomi Book is a simple mobile app curated for fans of a renowned author named Eichiro Oda. The app lets you view published books, purchase history, and pre-order upcoming manga and books, ensuring you never miss out on the latest releases. Additionally, it has integrated a feature that allows you to suggest genre and ideas that you want the author to write about.

Belen Ladesma
Course Adviser

Screenshot of Activities/Layouts:

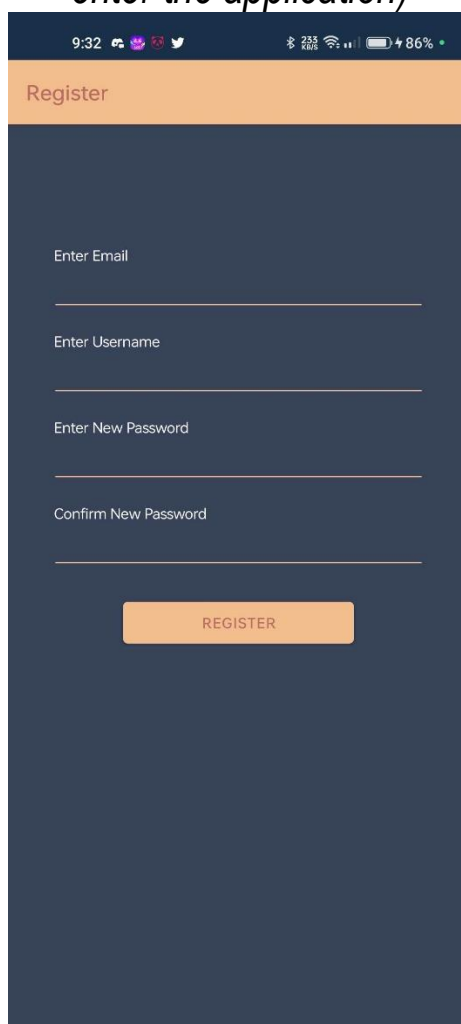


*Figure 1: Starting Layout
(It displays the starting page which consists of the log-in and sign-up layout)*



A mobile application login screen. At the top, there is a status bar with the time 9:32, signal strength, Wi-Fi, and battery at 86%. Below the status bar is an orange header with the word "Login". The main area has a dark blue background. It contains two text input fields labeled "Username" and "Password". Below the password field is a link that says "Forgot Password?". At the bottom is an orange button labeled "LOG IN".

Figure 2: Log-in Layout
(Log-in which contains the username and password that will allow the user to enter the application)



A mobile application register screen. At the top, there is a status bar with the time 9:32, signal strength, Wi-Fi, and battery at 86%. Below the status bar is an orange header with the word "Register". The main area has a dark blue background. It contains four text input fields labeled "Enter Email", "Enter Username", "Enter New Password", and "Confirm New Password". At the bottom is an orange button labeled "REGISTER".

Figure 3: Sign-up Layout
(Contains sign-up which will create user a new account)

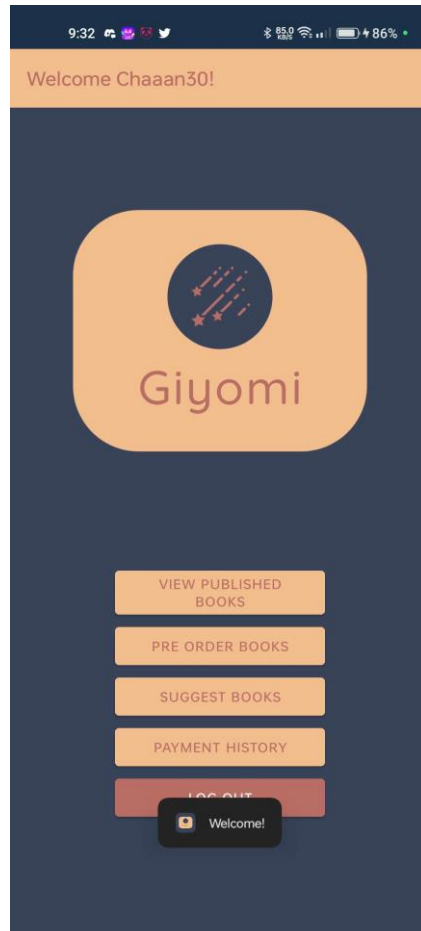


Figure 4: Main Menu Layout

(It displays the home page of the application and displays 4 buttons which shows what you want to do in the app (i.e, View Published Books, Pre-Order Books, Suggest Book, Payment History)

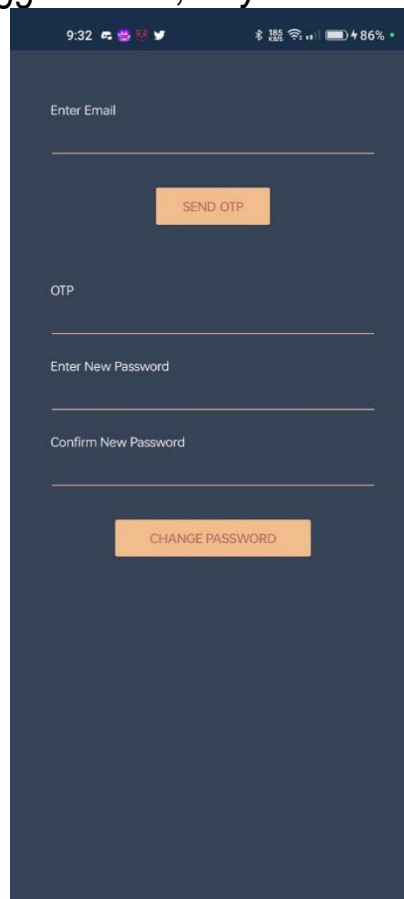
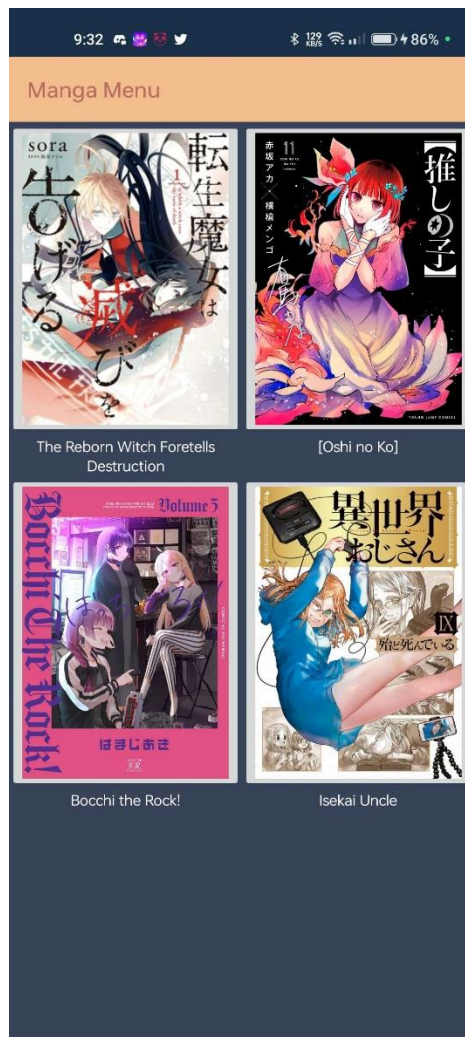


Figure 5: Forgot Password Layout

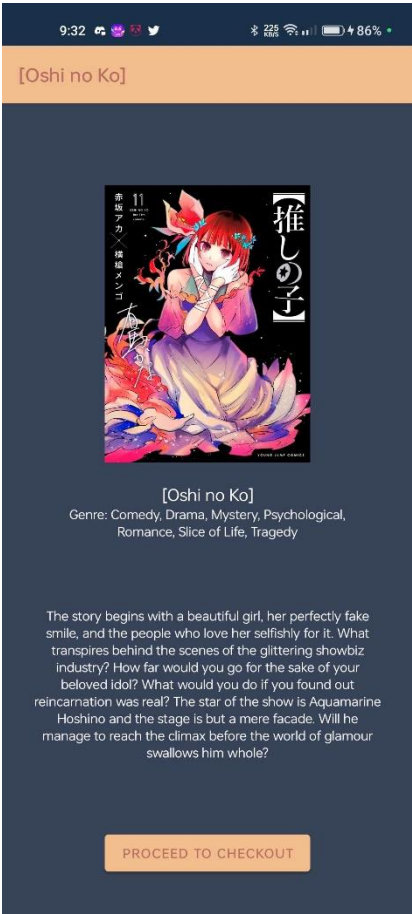
(It displays the forgot password layout and can change the password of the user)



*Figure 6: View Published Book Layout
(It displays the Published books that will allow the users to click each image for a preview of the books they selected)*



*Figure 7: Book 1 Layout
(It displays the information about the book 1 and a button to proceed to checkout)*

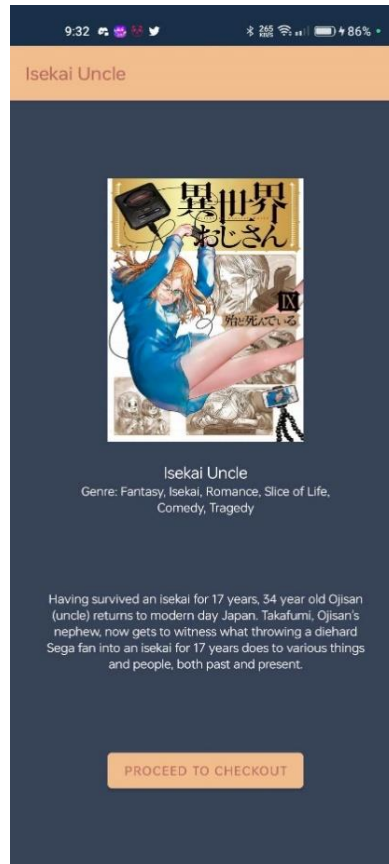


*Figure 8: Book 2 Layout
(It displays the information about the book 2 and a button to proceed to checkout)*



*Figure 9: Book 3 Layout
(It displays the information about the book 3 and a button to proceed to checkout)*

dm



*Figure 10: Book 4 Layout
(It displays the information about the book 4 and a button to proceed to checkout)*



*Figure 11: Pre-Order Books Layout
(It displays the books that you want to pre-order and a button to proceed to checkout)*

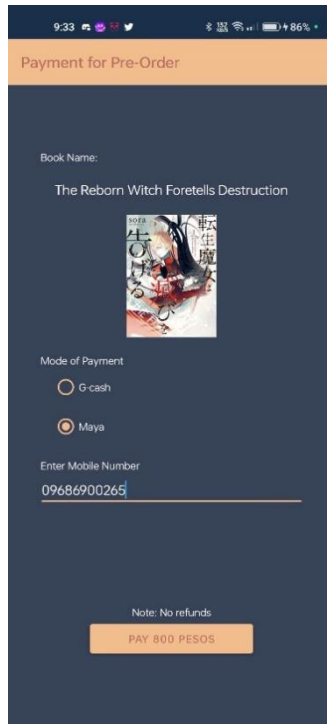


Figure 12: Payment/Checkout Layout

(It displays the book details that you checked out, shows the mode of payment, mobile number, and the price to pay)

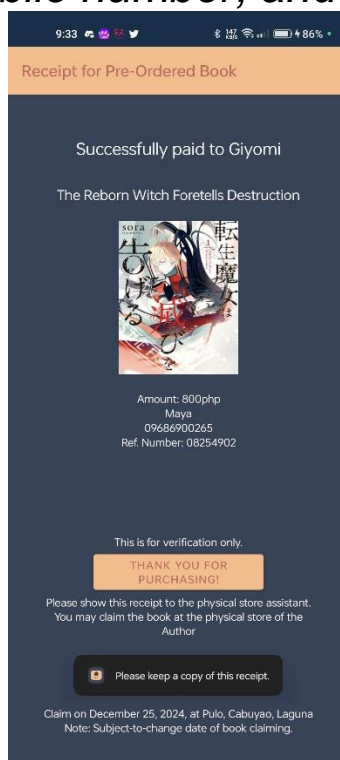
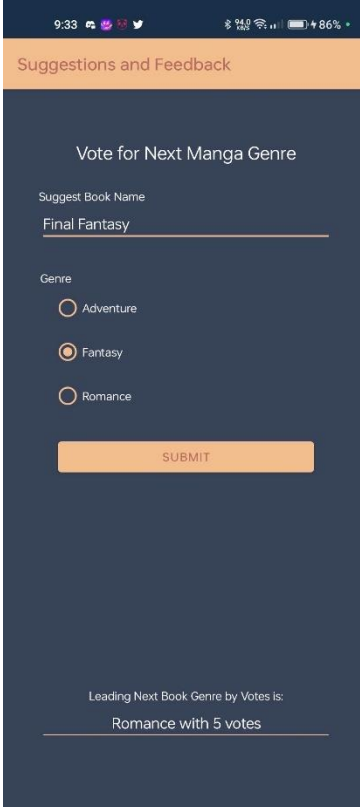


Figure 13: Receipt Layout

(It displays the receipt of the order that the user pre-ordered and shows the details inputed on the checkout layout)



9:33

Suggestions and Feedback

Vote for Next Manga Genre

Suggest Book Name

Final Fantasy

Genre

☐ Adventure

☒ Fantasy

☐ Romance

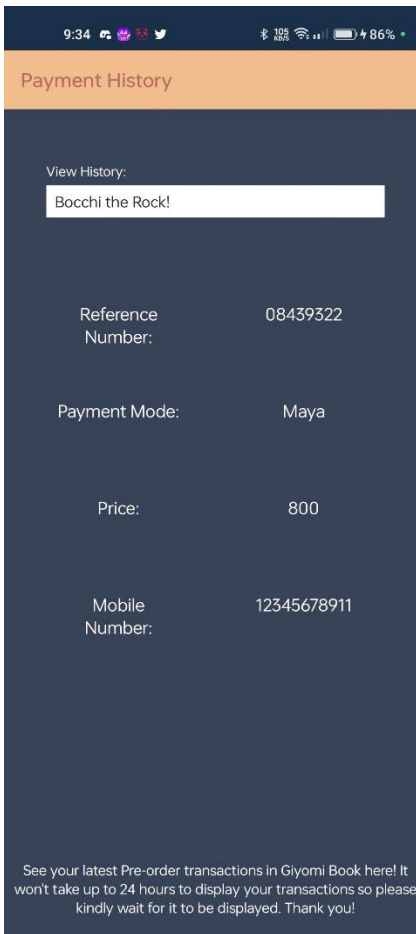
SUBMIT

Leading Next Book Genre by Votes is:

Romance with 5 votes

Figure 14: Suggest Book Layout

(It displays the suggestion layout and the majority of people which selected the genre of a new book based on the votes.)



9:34

Payment History

View History:

Bocchi the Rock!

Reference Number: 08439322

Payment Mode: Maya

Price: 800

Mobile Number: 12345678911

See your latest Pre-order transactions in Giyomi Book here! It won't take up to 24 hours to display your transactions so please kindly wait for it to be displayed. Thank you!

Figure 15: Payment History Layout

(It displays the payment history of purchase made in the app)

A Final Project integrating the following core concepts: [C03]

- a. Mobile Application via Android Xamarin Programming
- b. Use of XML and/or RESTful API Approach
- c. Integrative Coding Style (OOP)
- d. Web Application via CGI Python in MVC Structure/Pattern (Optional)

General Instructions: Design and develop a system that provides an integrative programming solution to a specific problem and/or scenario. The programming solution shall meet the following requirements:

The project can be developed by a TEAM of 2-5 members.

- **Target Problem/Scenario/Project**
An approved dummy topic/scenario/Project that will be used as basis of the identified transactions, processes, and functionalities involved in developing Xamarin based mobile application

Examples:
 - a. Any Mini Game Application that involves the use of essential widgets and packages such as Image Views, Text Views, Randomization, Timing, Event-based functions, etc. The Game must be able to handle XML data parsing, OR use of database via RESTful Approach in extracting and storing data.
 - b. Any Basic Information System or Business Application that handles transactions that combine any applicable basic functions on a CRUD-level. This must heavily use RESTful Approach in handling data (e.g.: Health App that captures and manage vitals data, Sales App, Inventory App, and Student Record App)
- **Applicable Database Object of persistent storage (MySQL) and/or XML File**
- **Dedicated RESTful API that will bridge and integrate Mobile Application, Web Application (if included), and database object**
- **Applicable Integrative Coding style such as the use of OOP Concepts in developing mobile application**
- **Multiple Screens/Activities and use of Essential Widgets**
- **Optional Front-end/Backend web application that will provide a facility for the users to perform transactions that can either be admin functionalities, or functionalities integrated in the Mobile Application**

For Rubric and Points System (please see succeeding page)

**Requirements for Submission:*

- a.) Video Discussion Link of the Project, including the complete execution and provision of applicable codes. Each member shall have a part in the discussion
- b.) Zipped Copy of the Project File
- c.) PDF Copy of the Project Description and Screenshots of the Activities

**Submission bin will be provided for these requirements. Note also that a presentation date will be announced for this Course Assessment*

Prepared by/ Date (Faculty Member)	Reviewed by/ Date (Program Chair)
DENNIS A. MARTILLANO/ May 20, 2022	ADOMAR L. ILAO

Criteria	POINTS				
Execution Cycle and Transactions	40 pts	25-39 pts	20-24 pts	11-19 pts	0-10 pts
	System is able to provide a complete cycle of required transactions with minimal errors and proper validation	System is able to provide a complete cycle of required transactions but with incurred issues and problems	System is able to provide partial required transactions	System is able to provide at least one valid transaction	System was not able to provide any working transactions
Integrative Coding Style	20 pts	15-19 pts	9-14 pts	6-8 pts	0-7 pts
	The system was developed following applicable coding style and proper design pattern	The system was developed following a coding style and design pattern but requires realignments and transformation	The system was developed with some portions following a coding style and design pattern	The system was developed with coding style and design pattern but are misaligned or very limited in general	The system has codes but does not follow proper coding style and design pattern,
Design, Screen Navigation, Intents	15 pts	11-14 pts	8-10 pts	5-7 pts	0-4 pts
	The design and navigation of the system is pleasing, suitable to its purpose, and easy to follow	The design and navigation of the system is fair enough but requires improvements	The design and navigation of the system is provided with basic requirements but is lacking elements	The design and navigation of the system requires major changes	The design and navigation is not suitable is misaligned
Complexity and Uniqueness	15 pts	11-14 pts	8-10 pts	5-7 pts	0-4 pts
	The system is complex, unique and tight enough for a Final Project with heavy use of db transactions, computation (if any), data exchange (if applicable), and other additional features	The system is fairly complex and unique for a Final Project. There are few heavy transactions and additional features but common processes are involved	The system provides just basic and common transactions that can easily be integrated	The system provides few basic transactions	The system provides little to no complexity and is not enough for a Final Project
Involvement and Individual Presentation	10 pts	7-9 pts	6 pts	3-5 pts	0-2 pts
	The member is capable of presenting his/her part and displays substantial involvement in the project	The member presented his/part with fair involvement in the project	The member has issues in presenting his/part but with fair involvement and knowledge about the project	The member has minor involvement and displays limited knowledge of the project	The member has no involvement and displays lack of knowledge about the project

Prepared by/ Date (Faculty Member)	Reviewed by/ Date (Program Chair)
DENNIS A. MARTILLANO/ May 20, 2022	ADOMAR L. ILAO