UNIVERSITY MALAYSIA TERENGGANU

FACULTY OF OCEAN ENGINEERING TECHNOLOGY & INFORMATICS

[CSF3114] FRAMEWORK-BASED MOBILE APPLICATION DEVELOPMENT

PROJECT 1: COLLEGE LAUNDRY BOOKING APP

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GitHub Link: https://github.com/anjeelinajahan/CSM3114-Project1

Slide Link: https://www.canva.com/design/DAF5MQsG0BQ/8ABmiRUjZpoenC584r7pjQ/edit

1.0 TABLE OF CONTENTS

Contents

2.0 EXECUTIVE SUMMARY OF PROTOTYE

The College Laundry Booking App revolutionizes the laundry experience for college students, providing a streamlined and effective solution for common issues with on-campus laundry facilities. With its thoughtful design, this user-friendly program offers students more flexibility over when and how they plan their laundry, minimizing the wait times and improving convenience overall.
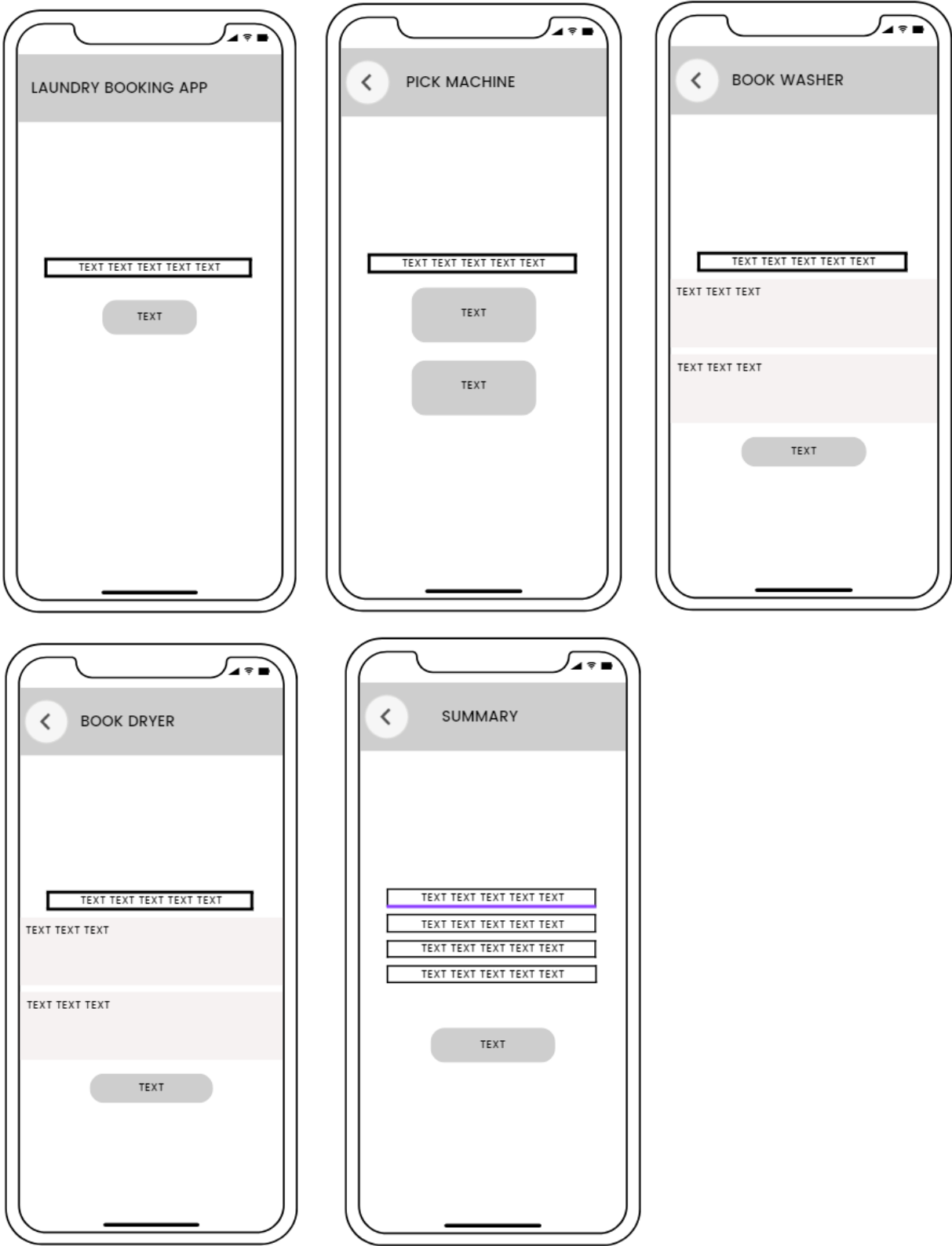
An easy-to-use UI with a "Start Booking" button on the home screen welcomes users to the experience. This starts a smooth procedure that gives students the option to reserve a washer or a dryer, giving them the flexibility to arrange laundry tasks into their own schedules and preferences.

A key feature of the app is the ability for users to input the desired date and time for their laundry session. This guarantees a convenient and customized experience, allowing students to schedule their laundry around their personal and academic schedules. A detailed summary page at the end of the booking procedure ensures the machine of choice and the scheduled time and date. Users can quickly review this as a method of confirming their laundry schedule and reducing uncertainty around machine availability.

The College Laundry Booking App is not just a time-saving tool; it's an efficient system that enhances college students' laundry management experiences overall. The application improves the quality of life on campus by minimizing down on wait times and providing a flexible booking system. Specifically for college students, this application seeks to improve their overall campus experience by offering an alternative that fits their particular needs and difficulties. It gives them a chance to maximize their time so they can focus on their studies and extracurricular activities rather than worrying about unpredictable washing schedules.
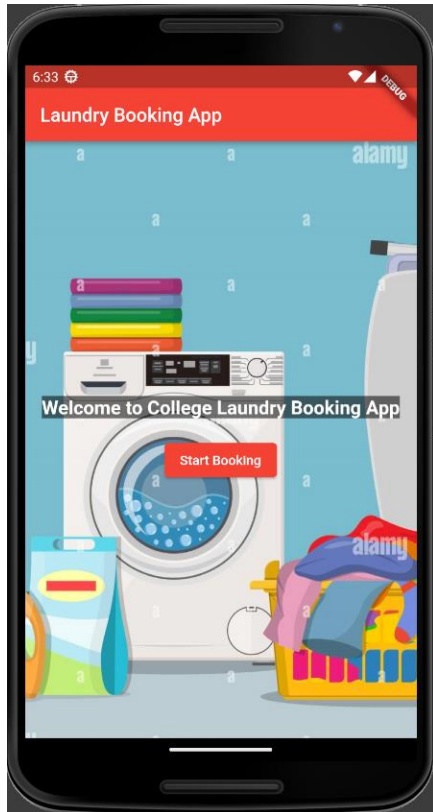
In general, for college students looking for an innovative and efficient way to manage their laundry needs, the College Laundry Booking App is an easy-to-use, effective, and invaluable resource.

3.0 PROTOTYPE DESIGN

LAUNDRY BOOKING APP

TEXT TEXT TEXT TEXT TEXT

TEXT

PICK MACHINE

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TEXT

BOOK WASHER

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BOOK DRYER

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TEXT TEXT TEXT

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SUMMARY

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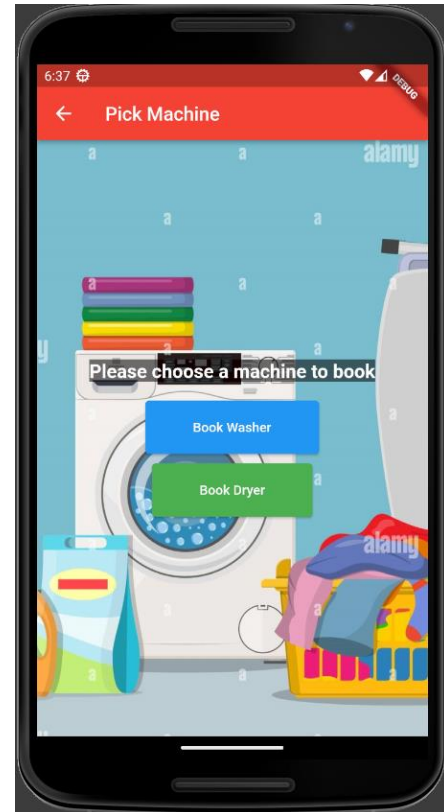
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TEXT

4.0 USER INTERFACE OF APPLICATION
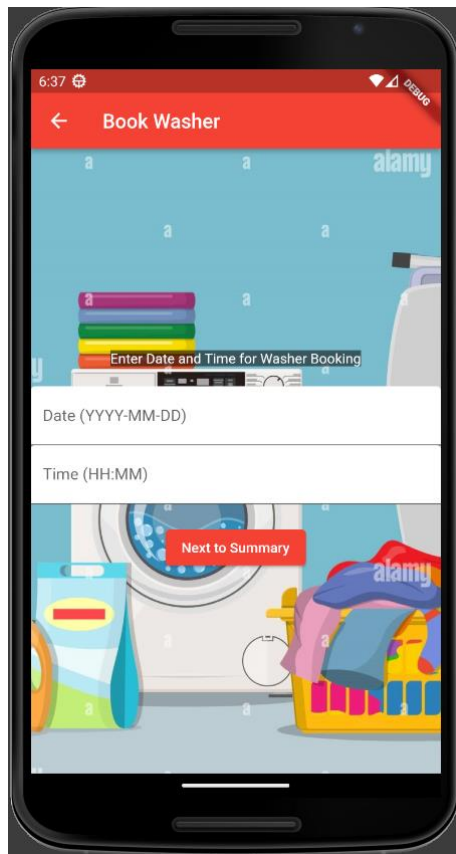
4.1 Main Page

This is the main page of the app. It has a clear Start Booking Button to let users start their laundry machines booking.
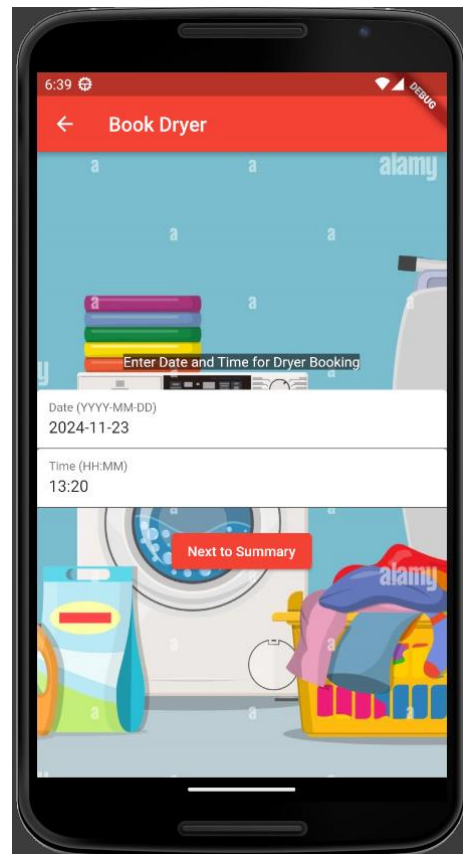
4.2 Pick Machine

This is the Pick Machine page. It allows user to choose if they want to book a washing machine or a drying machine in the laundry.

4.3 Washer

4.4. Dryer

The Book Washer has functions that callows users to input their desired date and time for their washer booking. It has a specific format that user need to input, else the Next to Summary button will not function.
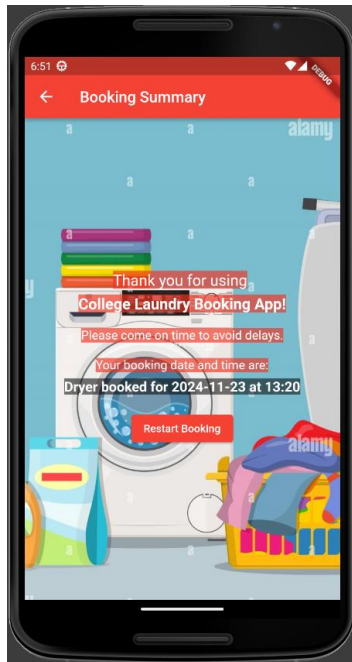
The Book Dryer page has the exact same functionalities as the Book Washer page. It allows user to input date and time to book their dryer.

4.5 Summary

This is the summary page. It summarizes user's overall booking. It shows which machine they chose to book and on what date and time did they input in the booking section.

5.0 POTENTIAL COMMERCIAL VALUE AND PRICING OF PROTOTYPE

5.1 Targeted Advertising:

Advertisers can reach a highly specific and captive audience—college students who are likely to use laundry facilities on campus. This targeted advertising ensures that businesses can promote products or services directly to a relevant demographic.

5.2 User Engagement:

The app promotes regular user engagement as students book laundry machines, contributing to a consistent user base. Advertisers benefit from increased visibility as users interact with the app frequently.

5.3 Streamlined Operations:

For college students, the app simplifies the process of booking laundry machines, saving time and effort. This efficiency can lead to increased adoption and sustained usage, contributing to a loyal user base.

5.4 Pricing Strategy:

The application's prototype might use a freemium business model, providing a basic version with all necessary functionality for no cost. Users can choose a subscription-based premium model to access advanced features including priority booking, notifications, and usage history. Universities could also be provided with extensive administrative tools for effective laundry resource management through a separated subscription approach that is based on their size or student population.

6.0 LESSON LEARNED

6.1 User-Centric Design Matters

Designing with the user in mind is crucial. Understanding their needs and preferences enhances the overall user experience.

6.2 Effective Communication

Clear communication, both within the development team and with potential users, is important for understanding requirements and addressing concerns.

6.3 Balancing Features and Simplicity

Striking a balance between offering essential features and keeping the app simple ensures user engagement without overwhelming them.

7.0 CONCLUSION

The College Laundry Booking Application represents an improving step towards revolutionizing laundry management for college students. The development of this app has been characterized by a dedication to adaptability, user-centric design, and a continuous improvement to achieve quality. The app's ability to provide a seamless laundry booking service offers proof of how technology can be used to make daily tasks easier.

Looking forward, the app will serve as more than simply a useful tool—it will also serve as example of how technology and everyday life are compatible. Its approachable design and constant commitment to development establish it as a key aspect of campus life in addition to offering an effective laundry management solution. Conclusively, the College Laundry Booking App has the potential to significantly improve the lives of both students and institutions by optimizing laundry procedures and promoting effectiveness.

8.0 REFERENCES

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