



CMU Nursing Dormitory User Interface Design



Author : Ms.Kanvara Srithat
Advisor : Dr.Kamonphop Srisopha
Mentor : Mr.Nupong Promjan

Abstract

The project focuses on designing a User Interface (UI) for the Student Accommodation Reservation System at the Faculty of Nursing, Chiang Mai University [1]. The goal is to enhance usability, simplify operations, and improve the user experience. The development process includes user needs analysis through interviews, UI design using Figma, and the creation of a Design System for consistency [2]. The final product allows students to book dormitory rooms online efficiently and helps staff manage reservations with greater accuracy.



Introduction

The IT Development Unit of the Faculty of Nursing supports technological advancements to improve administrative efficiency. The project focuses on designing the UI for student dormitory reservations, aiming to streamline the existing manual and Google Forms-based booking process. The new system intends to reduce redundancy, increase accuracy, and provide a better experience for students and dormitory staff.

Technology



Figma

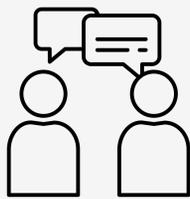


Notion

Design



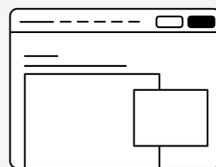
Methodology



User Research & Requirement Analysis

Conducted **interviews** with dormitory staff to understand pain points.

Used **Figma** to create wireframes and prototypes, following **Atomic Design Methodology** [3]



User Interface Design

Conducted **usability testing** with students and staff, collected feedback via **Google Forms** (96.75% satisfaction), and refined the UI to improve navigation and reduce errors.



Testing & Implementation

Conclusion

The designed UI enhances usability, enabling students to book rooms easily and staff to manage data efficiently. Usability testing via Google Forms showed 96.75% satisfaction, confirming its effectiveness. The Design System streamlined development, reducing errors and ensuring consistency, highlighting the value of user-centered design.

References

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- [3] Brad Frost. Atomic Design Methodology. Accessed Jul 27, 2024.

