

Title : Dormitory Management System of Faculty of Nursing, Chiang Mai University

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ABSTRACT

The Faculty of Nursing Dormitory assigned the Information Technology Development Unit of the Faculty of Nursing, Chiang Mai University, to develop a Dormitory Information Management System. This system is intended for managing dormitory data, publishing news and information on a website, and facilitating room reservations and payment. The dormitory aims to transition its operations into a more digital process to enhance convenience and reduce the workload of dormitory administrators. Consequently, the author was tasked with developing the system using Next.js and TypeScript. The system's database was implemented with SQL Server and Prisma, while the front end was built with Tailwind CSS and Shadcn UI. The developed system allows residents to reserve rooms and report payments, while dormitory administrators can manage reservation lists, payment records, and website content. Finally, the system evaluation showed satisfactory and efficient user engagement, successfully reducing the administrators' workload.

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