



ASSETLEND : A MOBILE APP for EFFICIENT BORROWING A LENDING GOODS

UNDERGRADUATE THESIS
Submitted as one of the requirements to obtain
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ABSTRACT

To improve resource sharing and administrative effectiveness in educational institutions, creative solutions are needed considering the ever-changing academic world. This initiative aims to overcome important obstacles caused by archaic and manual asset lending procedures, which hamper students' capacity to effectively borrow and lend items such as books, electronics and private cars. Inefficiencies in current manual procedures lead to long wait times, heavy administrative burdens, and a less-than-ideal user experience. This problem is exacerbated by the lack of a dedicated mobile app. The main goal of this project is to create a complete user-focused mobile application that will simplify asset lending procedures, automate transactions, reduce the amount of administrative labor required, and increase customer satisfaction. Simplified lending procedures, a mobile-first strategy to increase accessibility, improved notifications and reminders for communication, and technology to encourage resource sharing and community cohesion are some of its key features. By offering an organized, transparent and easy-to-use platform, this solution eliminates the drawbacks of informal lending practices and improves the overall lending process. Equipped with advanced hardware and software, including Android Studio, Firebase Database, and Windows 11, the system ensures efficiency, scalability, and security. Despite obstacles such as limited payment options and platform exclusivity, the project strives to continuously evolve to meet customer demands and increase functionality and user happiness. Ultimately, this program represents a revolutionary step in asset lending in higher education, supporting schools' dedication to technological innovation and academic excellence, increasing resource efficiency, simplifying administrative procedures, and building a collaborative, tech-savvy student body.

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