An Android Rental Property Management Application

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***Abstract*—This undergraduate thesis investigates an Android application for managing rental properties. A property manager needs to track rooms, contracts, bills, and rental income in an organized workflow. The student analyzes rental-management requirements and develops an Android Studio application. The thesis describes models and screens for basic information and content management related to rooms and tenants. The conclusion says a basic rental-management application was completed with selected principal functions. It also notes a plain interface and functions that are neither fully optimized nor comprehensive. The manuscript does not verify a working property business, billing accuracy under real transactions, or privacy protections for tenant records. Broader contract and revenue benefits are intended uses rather than measured outcomes. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—Android, rental management, property, mobile application**

I. Introduction

A property manager needs to track rooms, contracts, bills, and rental income in an organized workflow. This thesis investigates an Android application for managing rental properties. It begins from a practical engineering need and explains the technologies and workflow chosen for the case. The objective is to document a student implementation or comparative investigation, together with the evidence available in the manuscript. Broader operational or economic effects require separate measurements and are not assumed from the existence of a prototype [1]. Earlier ICTU student work on related designs is included here for context [2], [3], [4], [5]. Related published studies provide context for the subject and methods [6], [7], [8], [9], [10]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The student analyzes rental-management requirements and develops an Android Studio application. The thesis describes models and screens for basic information and content management related to rooms and tenants. The source is summarized through its stated design, implementation material, examples, and conclusion. Features shown in the manuscript are distinguished from proposals for later development. This review does not add a new experiment, fill missing measurements with estimates, or treat a planned capability as an observed result. The source thesis remains the provenance for the reported work [1].

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III. Results

The conclusion says a basic rental-management application was completed with selected principal functions. It also notes a plain interface and functions that are neither fully optimized nor comprehensive. The report's screens, configurations, examples, or measurements constitute the evidence for this summary. A capability described only as a design intention is not counted as a validated operational outcome. No additional performance, adoption, financial, or safety figure has been introduced here. The result is interpreted within the scope of the student's documented setup [1].

IV. Discussion

The manuscript does not verify a working property business, billing accuracy under real transactions, or privacy protections for tenant records. Broader contract and revenue benefits are intended uses rather than measured outcomes. Later testing could check invoices, role access, backups, and landlord workflows before scaling the application. These limitations affect how the evidence should be read. The current manuscript can support understanding of the design and reported demonstration, while independent tests would be needed for stronger claims. Any later deployment should document its environment and separate observed outcomes from intended benefits [1].

V. Conclusion

The thesis documents an Android application for managing rental properties. The conclusion says a basic rental-management application was completed with selected principal functions. It also notes a plain interface and functions that are neither fully optimized nor comprehensive. The manuscript does not verify a working property business, billing accuracy under real transactions, or privacy protections for tenant records. Broader contract and revenue benefits are intended uses rather than measured outcomes. Later testing could check invoices, role access, backups, and landlord workflows before scaling the application. Accordingly, the present contribution is a source-grounded account of the student work and its tested

or illustrated scope. Claims about broader effectiveness should be assessed in later work using explicit evaluation conditions [1].

References

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