An Android Fashion Retail Application

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***Abstract*—This undergraduate thesis investigates an Android application for fashion-clothing sales. Mobile shoppers need a simple catalogue, account access, and an ordering interface. The student develops an Android app using SQLite for local data and Firebase for account sessions, authentication, and password recovery. The report also describes a PayPal payment integration. The conclusion reports basic shopping features and an interface demonstration, including a PayPal-related flow. It does not verify live paid transactions. The source does not establish commercial deployment, successful real-money payments, secure handling of customer data, or measured usability and performance. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—Android, fashion sales, SQLite, Firebase, PayPal**

I. Introduction

Mobile shoppers need a simple catalogue, account access, and an ordering interface. This thesis investigates an Android application for fashion-clothing sales. 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], [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 develops an Android app using SQLite for local data and Firebase for account sessions, authentication, and password recovery. The report also describes a PayPal payment integration. 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].

III. Results

The conclusion reports basic shopping features and an interface demonstration, including a PayPal-related flow. It does not verify live paid transactions. 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 source does not establish commercial deployment, successful real-money payments, secure handling of customer data, or measured usability and performance. Further work could test the account and order flows, verify payment states with a sandbox, and add product reviews and additional sign-in options only after security review. 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 fashion-clothing sales. The conclusion reports basic shopping features and an interface demonstration, including a PayPal-related flow. It does not verify live paid transactions. The source does not establish commercial deployment, successful real-money payments, secure handling of customer data, or measured usability and performance. Further work could test the account and order flows, verify payment states with a sandbox, and add product reviews and additional sign-in options only after security review. 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].

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