An Android Management Application for Thuong Coffee in Hoa Binh

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***Abstract*—This undergraduate thesis investigates an Android application for managing Thuong Coffee in Hoa Binh. A coffee shop needs to organize orders, staff, and basic business records. The student analyses the cafe workflow, models the system, and develops an Android application with selected content and management functions. The conclusion reports that several principal functions were implemented. It also acknowledges a plain interface and features that are neither broad nor fully optimized. The possibility of store use is presented without evidence of actual adoption. The source does not provide verified operational revenue, a controlled productivity evaluation, or evidence that the shop relied on the application in daily work. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—Android, coffee shop, order management, Thuong Coffee**

I. Introduction

A coffee shop needs to organize orders, staff, and basic business records. This thesis investigates an Android application for managing Thuong Coffee in Hoa Binh. 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]. Related published studies provide context for the subject and methods [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 analyses the cafe workflow, models the system, and develops an Android application with selected content and management functions. 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 reports that several principal functions were implemented. It also acknowledges a plain interface and features that are neither broad nor fully optimized. The possibility of store use is presented without evidence of actual adoption. 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 provide verified operational revenue, a controlled productivity evaluation, or evidence that the shop relied on the application in daily work. Further work could complete management workflows, improve interface clarity, and test order and staff tasks with realistic shop data. 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 Thuong Coffee in Hoa Binh. The conclusion reports that several principal functions were implemented. It also acknowledges a plain interface and features that are neither broad nor fully optimized. The possibility of store use is presented without evidence of actual adoption. The source does not provide verified operational revenue, a controlled productivity evaluation, or evidence that the shop relied on the application in daily work. Further work could complete management workflows, improve interface clarity, and test order and staff tasks with realistic shop data. 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

[1] Lã Đức Giang, ”An Android Management Application for Thuong Coffee in Hoa Binh,” internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2024.

[2] ICTU Student 140, ”Development of a Restaurant Management Software for Khánh Linh Restaurant,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.

[3] Lã Quyết Tâm, ”BUILDING A RESTAURANT MANAGEMENT SYSTEM USING THE LARAVEL FRAMEWORK,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2021.

[4] Phạm Minh Hiếu, ”Development of an Order Management Application for 1987 Hot Pot and Grill Restaurant,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2023.

[5] Đỗ Thị Thu, ”Sales Management Program for Tan Viet Dung Construction and Trading Services Co., Ltd.,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2014.

[6] Nguyễn Văn Hưng, ”Construction of an Online Food Ordering Application,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2021.

[7] Farid Asfaroni et al., ”Aplikasi Pemesanan Menu Makanan dan Minuman pada K&Y Coffee berbasis Android,” SMATIKA JURNAL, 2023. doi:10.32664/smatika.v13i01.716.

[8] Nina Hasbiyah et al., ”Aplikasi Android Pencarian Coffee Shop Terbaik Menggunakan Metode Weighted Product,” Teknomatika: Jurnal Informatika dan Komputer, 2023. doi:10.30989/teknomatika.v14i1.1112.

[9] Pricilia Rahmadani et al., ”Analisis Perbandingan Customers Perceived Quality, Customer Experience dan Service Quality pada Coffee Shop ”Lain Hati” dan ”Temu Kopi” Pangkalpinang,” Holistic Journal of Management Research, 2023. doi:10.33019/hjmr.v8i2.4341.

[10] Dian Paramitha Ida Ayu, ”Business Process Reengineering pada Coffee Shop Coffee Secret’s Menggunakan Aplikasi Dolibarr,” JATISI (Jurnal Teknik Informatika dan Sistem Informasi), 2022. doi:10.35957/jatisi.v9i4.2989.