A Product Information Lookup Application for Dat Viet IT Company

Nguyễn Quang Đồng
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
dtc1954802010074@ictu.edu.vn

***Abstract*—This undergraduate thesis investigates a product information lookup application for Dat Viet IT Company in Hanoi. A company catalogue requires accessible product details and related order information. The student designs product, account, promotion, and order tables and builds customer and administrator web screens, including search, cart, and ordering interfaces. The thesis shows a working student sales-site prototype with product lookup, account access, and order screens; the conclusion reports responsive layout and automated customer email. The cover describes product information lookup, while the body and conclusion describe a broader online sales website. The report does not provide independent transaction, security, or usability measurements. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—product lookup, online sales, Dat Viet, web application**

I. Introduction

A company catalogue requires accessible product details and related order information. This thesis investigates a product information lookup application for Dat Viet IT Company in Hanoi. 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 designs product, account, promotion, and order tables and builds customer and administrator web screens, including search, cart, and ordering interfaces. 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].

Supervisor: Trịnh Văn Hà, Thai Nguyen University of Information and Communication Technology (tvha@ictu.edu.vn).

III. Results

The thesis shows a working student sales-site prototype with product lookup, account access, and order screens; the conclusion reports responsive layout and automated customer email. 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 cover describes product information lookup, while the body and conclusion describe a broader online sales website. The report does not provide independent transaction, security, or usability measurements. Further work could reconcile the stated project scope, test product-search accuracy and order processing, and document deployment conditions. 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 a product information lookup application for Dat Viet IT Company in Hanoi. The thesis shows a working student sales-site prototype with product lookup, account access, and order screens; the conclusion reports responsive layout and automated customer email. The cover describes product information lookup, while the body and conclusion describe a broader online sales website. The report does not provide independent transaction, security, or usability measurements. Further work could reconcile the stated project scope, test product-search accuracy and order processing, and document deployment conditions. 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] Nguyễn Quang Đồng, ”A Product Information Lookup Application for Dat Viet IT Company,” internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2024.

[2] Nguyễn Như Nguyên, ”Construction of an Online Phone and Accessories Sales Website for F5 Mobile Store,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2021.

[3] Lưu Xuân Chiến, ”Construction of a Bookstore Website for Minh Sang Bookstore,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2023.

[4] Đinh Tiến Tùng, ”Construction of an E-commerce Website for Laptop Sales for Hoang Anh-Bac Giang Store,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2021.

[5] ICTU Student 81, ”Construction of a Computer Store Website,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2008.

[6] Nguyễn Thành Trung, ”Web Introduction to Computer Devices,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.

[7] Eka Hartati et al., ”Design and Build a Product Sales Application at PT. Prima Fabian Mandiri Web-Based,” Sinkron, 2023. doi:10.33395/sinkron.v8i1.11953.

[8] Xu Wei Pan et al., ”Product Family Lifecycle Information Integration Model and its Application,” Applied Mechanics and Materials, 2011. doi:10.4028/www.scientific.net/amm.58-60.624.

[9] Xuehua Sun et al., ”Effective Trace Acquirement during Product Information Diffusion and Application,” Intelligent Information Management, 2020. doi:10.4236/iim.2020.123008.

[10] Haklae Kim, ”Towards a sales assistant using a product knowledge graph,” Journal of Web Semantics, 2017. doi:10.1016/j.websem.2017.03.001.