An Online Bakery Sales Website for ND's Bakery in Thai Nguyen

Nguyễn Mạnh Đạt
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student645@ictu.edu.vn

***Abstract*—This undergraduate thesis investigates an online bakery sales website for ND's Bakery in Thai Nguyen. A local bakery needs an online catalogue and a manageable order workflow. The student designs a sales website with product search, product pages, cart and checkout screens, customer reviews, and administrator views for products, articles, orders, and statistics. The manuscript illustrates customer and administrator interfaces and reports a functional student website. Its conclusion describes convenience and an accessible interface as perceived outcomes. The author explicitly notes missing features, performance limitations, and weak security, with hosting and a domain planned for later work. No independent sales or payment evidence is provided. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—bakery website, online sales, order management, Thai Nguyen**

I. Introduction

A local bakery needs an online catalogue and a manageable order workflow. This thesis investigates an online bakery sales website for ND's Bakery in Thai Nguyen. 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 designs a sales website with product search, product pages, cart and checkout screens, customer reviews, and administrator views for products, articles, orders, and statistics. 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: Ngô Thị Lan Phương, Thai Nguyen University of Information and Communication Technology (ntlphuong@ictu.edu.vn).

III. Results

The manuscript illustrates customer and administrator interfaces and reports a functional student website. Its conclusion describes convenience and an accessible interface as perceived outcomes. 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 author explicitly notes missing features, performance limitations, and weak security, with hosting and a domain planned for later work. No independent sales or payment evidence is provided. Further work could deploy a test instance, verify the order process, measure performance, and review security before accepting real customer 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 online bakery sales website for ND's Bakery in Thai Nguyen. The manuscript illustrates customer and administrator interfaces and reports a functional student website. Its conclusion describes convenience and an accessible interface as perceived outcomes. The author explicitly notes missing features, performance limitations, and weak security, with hosting and a domain planned for later work. No independent sales or payment evidence is provided. Further work could deploy a test instance, verify the order process, measure performance, and review security before accepting real customer 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] Nguyễn Mạnh Đạt, ”An Online Bakery Sales Website for ND’s Bakery in Thai Nguyen,” internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2024.

[2] Trần Thanh Tú, ”Clothing Sales Website for Ha My Store in Thai Nguyen,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2014.

[3] Nguyễn Thị Bích Liên, ”Product Promotion and Online Sales Website for Tribeco Northern Vietnam Co., Ltd. in Hung Yen,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2013.

[4] Trần Thị Hải Yến, ”Development of a Product Website for Co Tra Eatery in Thai Nguyen,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2023.

[5] Nguyễn Văn Điệp, ”Construction of an Online Bookstore Website for Thai Nguyen Book and Equipment Company,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.

[6] Nguyễn thị Vinh, ”Product Catalog and Online Sales Website for Tuan Nghia Manufacturing and Assembly Co., Ltd. in Hanoi,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2013.

[7] ICTU Student 221, ”Sales Website for Viet Thai Trading and Tourism Co., Ltd.,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2010.

[8] Trần Thị Lan, ”Online Sales Website for Khanh Linh Private Enterprise in Vinh Phuc,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2014.

[9] Trần Thị Thắng, ”Construction of an Online Product Introduction and Sales Website for the Vietnam-Hungary Electric Motor Manufacturing Company,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2013.

[10] Trần Thị Huệ, ”Construction of an Online Sales Website for Qmax Vietnam Joint Stock Company,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2013.