Construction of a Mobile Phone E-commerce Website for Tùng Shop

Phạm Đình Tùng
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student431@ictu.edu.vn

***Abstract*—This thesis presents the construction of a mobile phone e-commerce website for Tùng Shop, a retail store. The author describes the theoretical foundations of PHP and Laravel framework, and details the practical implementation of the website, including setting up the XAMPP environment and developing a Laravel-based demo. The project resulted in a basic functioning website with product display, order placement, and user reviews, but faced limitations such as a lack of real products, an unpolished admin interface, and limited programming knowledge. The author acknowledges the need for further development to improve the system's functionality and usability.**

***Index Terms*—PHP, Laravel, e-commerce, website, mobile phone, Tùng Shop**

I. Introduction

The thesis introduces the construction of a mobile phone e-commerce website for Tùng Shop, a retail store. The author explains the theoretical background of PHP and Laravel framework, and details the practical implementation process, including the setup of the XAMPP environment and the development of a Laravel-based demo. The project aimed to create a basic functioning website with product display, order placement, and user reviews, but faced several limitations [1]. Related earlier ICTU undergraduate theses provide context for this English summary [9], [10], [11].

II. Methods

The author utilized PHP and Laravel framework to develop a mobile phone e-commerce website. The project involved setting up the XAMPP environment and implementing a Laravel-based demo. The website included functionalities such as product display, order placement, and user reviews. The author also discussed the theoretical foundations of PHP and Laravel framework, highlighting their advantages and limitations. The project demonstrated the author's understanding of these technologies and their practical application in developing a mobile phone e-commerce website [1].

III. Results

The project resulted in a basic functioning website, but faced limitations such as a lack of real products, an unpolished admin interface, and limited programming knowledge. The author acknowledged the need for further development to improve the system's functionality and usability. The website included product display, order placement, and user reviews functionalities, but the lack of real products and the unpolished admin interface limited its practical application [1].

Supervisor: Trần Hải Thanh, Thai Nguyen University of Information and Communication Technology (ththanh@ictu.edu.vn).

IV. Discussion

The author discussed the theoretical foundations of PHP and Laravel framework, highlighting their advantages and limitations. The project demonstrated the author's understanding of these technologies and their practical application in developing a mobile phone e-commerce website. The author also acknowledged the limitations of the project, such as the lack of real products and the unpolished admin interface, and expressed a commitment to further developing the system to improve its functionality and usability [1]. Earlier ICTU undergraduate work addressed online mobile-phone sales [8].

V. Conclusion

The author concluded that the project resulted in a basic functioning website, but faced limitations such as a lack of real products, an unpolished admin interface, and limited programming knowledge. The author expressed a commitment to further developing the system to improve its functionality and usability. The project demonstrated the author's understanding of PHP and Laravel framework and their practical application in developing a mobile phone e-commerce website [1].

References

[1] Phạm Đình Tùng, "Construction of a Mobile Phone E-commerce Website for Tùng Shop," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2021.
[2] Tô Hữu Nguyên, Bài giảng Lập trình hướng đối tượng, Trường Đại học CNTT & TT – Đại học Thái Nguyên, Năm 2012
[3] Dương Kiều Hoa, Giáo trình Phân tích hệ thống hướng đối tượng với UML, Trường Đại học Quốc gia Thành phố Hồ Chí Minh, Năm 2006
[4] Huỳnh Văn Đức, Đoàn Thiện Ngân, Giáo trình nhập môn UML, Nhà xuất bản Lao động xã hội, Năm 2004
[5] PGS.TS Đặng Văn Đức, Phân tích thiết kế hướng đối tượng, Năm 2002
[6] Giáo trình Phân tích thiết kế hệ thống thông tin- BM Hệ thống thông tin- Trường ĐH Công nghệ Thông tin và Truyền thông
[7] - Giáo trình Hệ quản trị cơ sở dữ liệu- BM Hệ thống thông tin- Trường ĐH Công nghệ Thông tin và Truyền thông
[8] ICTU Student 79, "Construction of a Mobile Phone Sales Website for Đức Minh Store," internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2008.
[9] ICTU Student 181, "Analysis and Design of an E-Commerce Website - Introduction and Sale of Mobile Phone Products for Phuong Nga Company," internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2010.

[10] ICTU Student 149, ”Construction of an E-commerce Website for Selling Mobile Phones for Company Nguyen Du,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.
[11] ICTU Student 187, ”E-Commerce and Website Construction,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2010.