Development of a Tea Product Website

Đỗ Đức Chính
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student481@ictu.edu.vn

***Abstract*—This thesis focuses on the development of a website to introduce and sell products of a tea brand. The website was built using HTML, CSS, and PHP, and included both customer and admin interfaces. The thesis highlights the completion of the project and the development of skills in web development, but acknowledges limitations in functionality and suggests future improvements. The website was designed to be user-friendly and efficient, but its functionality was limited, and the authors suggest expanding the website's features and increasing its scale in the future.**

***Index Terms*—web development, UML, HTML, CSS, PHP**

I. Introduction

The thesis introduces the concept of web development and the use of UML for object-oriented design. It covers the languages HTML, CSS, and PHP, which are essential for building the website. The project aims to create a platform for a tea brand to introduce and sell its products online. The author, Đỗ Đức Chính, explains the importance of web development in the modern business environment, emphasizing the need for a user-friendly and efficient platform to promote and sell tea products [1]. Published books on the methods and subject of this project provide context for this English summary [5], [6], [7].

II. Methods

The methods section discusses the theoretical foundations of web development, including HTML, CSS, and PHP. The author also utilized UML for system design and analysis. The project involved designing both customer and admin interfaces and developing a database. The author explains the process of creating a website from scratch, detailing the steps involved in coding and designing the website. The use of UML diagrams helped in visualizing the system architecture and ensuring a structured approach to the project [1].

III. Results

The project successfully completed the development of a website, which was designed to be user-friendly and efficient. The website included a homepage, product pages, and a shopping cart. However, the author noted that the website's functionality was limited and suggested future improvements, such as expanding the website's features and increasing its scale. The website was tested by a small group of users, who provided feedback on the user interface and navigation. The author also mentions that the database was developed to manage product information and user data, but no specific metrics or performance data were provided [1].

Supervisor: Nguyễn Văn Tảo, Thai Nguyen University of Information and Communication Technology (nvtao@ictu.edu.vn).

IV. Discussion

The discussion section highlights the completion of the project and the development of skills in web development. The author acknowledges the limitations of the current implementation and suggests future directions for improvement, including enhancing the website's functionality and scalability. The author also mentions the importance of user feedback in improving the website's usability and suggests incorporating more advanced features such as payment gateways and customer support systems. The author concludes that the project was completed successfully, but there is room for improvement, and the website should be developed further to become a leading platform for promoting and selling tea products [1]. Earlier ICTU undergraduate work by Vũ Mai Phương addressed online product sales [4].

V. Conclusion

The thesis concludes that the project was completed successfully, but there is room for improvement. The author suggests that the website should be developed further to become a leading platform for promoting and selling tea products, with more advanced features and a larger user base. The author emphasizes the importance of continuous improvement and user feedback in the development process. The limitations of the current implementation are acknowledged, and the author suggests expanding the website's features and increasing its scale to better meet the needs of the target audience [1].

References

[1] Đỗ Đức Chính, "Development of a Tea Product Website," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2023.
[2] Giáo trình Lập trình Website - khoa công nghệ thông tin – Trường đại học CNTT&TT Thái Nguyên
[3] Giáo trình Phân tích thiết kế hệ thống - khoa công nghệ thông tin – trường đại học CNTT&TT Thái Nguyên
[4] Vũ Mai Phương, "Online Sales Website for ATK Non-Fired Materials Joint Stock Company in Thai Nguyen," internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2014.
[5] M. Fowler, UML Distilled: A Brief Guide to the Standard Object Modeling Language, 3rd ed. Addison-Wesley Professional, 2003. ISBN 9780321193681.
[6] A. Silberschatz, H. F. Korth, and S. Sudarshan, Database System Concepts, 5th ed. McGraw-Hill, 2005. ISBN 9780072958867.
[7] I. Sommerville, Software Engineering, 7th ed. Addison-Wesley, 2004. ISBN 9780321210265.