Construction of an Online Bookstore Website for HEBooks

Nguyễn Minh Toàn
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student472@ictu.edu.vn

***Abstract*—This thesis focuses on the development of an online bookstore website for HEBooks, a retail bookstore. Nguyen Minh Toan, a Vietnamese undergraduate, conducted a comprehensive study on web development technologies, including HTML, CSS, JavaScript, and PHP, and applied these to build a functional website. The project aimed to manage books, sales, and customer interactions, but faced limitations due to the author's limited experience. The website successfully implemented basic functionalities such as book management, sales, and customer interactions, but had limitations in terms of both functionality and user interface. The author acknowledged the need for further development to enhance the website's usability and functionality.**

***Index Terms*—HTML, CSS, JavaScript, PHP, MySQL, Web Development**

I. Introduction

The thesis explores the construction of an online bookstore website for HEBooks, a retail bookstore. Nguyen Minh Toan, a Vietnamese undergraduate, delved into web development technologies such as HTML, CSS, JavaScript, and PHP. The project aimed to create a functional website that could manage books, sales, and customer interactions. However, the author faced limitations due to his limited experience, which impacted the overall quality of the website. The website was intended to serve as a platform for HEBooks to manage its inventory, sales, and customer interactions, but the author acknowledged the need for further development to improve its functionality and user experience [1]. Related earlier ICTU undergraduate theses provide context for this English summary [6], [7], [8], [9]. Published books on the methods and subject of this project provide context for this English summary [10].

II. Methods

The author studied web development technologies, including HTML, CSS, JavaScript, and PHP. The project involved creating a website that could manage books, sales, and customer interactions. The author also used database management systems, specifically MySQL, to store and manage data. The website was developed using a combination of these technologies, with HTML for structure, CSS for styling, JavaScript for interactivity, and PHP for server-side scripting. The author also utilized MySQL to manage the database, ensuring that the website could store and retrieve book information, sales data, and customer interactions [1].

Supervisor: Dương Thị Quy, Thai Nguyen University of Information and Communication Technology (dtquy@ictu.edu.vn).

III. Results

The author successfully developed a website that could manage books, sales, and customer interactions. The website implemented basic functionalities such as book management, sales, and customer interactions. However, the website had limitations in terms of both functionality and user interface, due to the author's limited experience. The website could manage books, process sales, and interact with customers, but the user interface was basic and lacked advanced features. The author acknowledged the need for further development to enhance the website's usability and functionality [1].

IV. Discussion

The limitations of the website, such as its basic functionality and user interface, were attributed to the author's limited experience. The author acknowledged the need for further development to enhance the website's usability and functionality. The website could manage books, process sales, and interact with customers, but the user interface was basic and lacked advanced features. The author suggested that future development should focus on improving the user interface and adding more advanced functionalities to the website. The author also emphasized the importance of continuous learning and improvement in web development to address these limitations [1]. Earlier ICTU undergraduate work by Trần Thanh Tú addressed online retail websites [5].

V. Conclusion

The author successfully completed the project, developing a website that could manage books, sales, and customer interactions. However, the website had limitations, and the author suggested further development to improve its functionality and user experience. The website implemented basic functionalities such as book management, sales, and customer interactions, but the user interface was basic and lacked advanced features. The author acknowledged the need for further development to enhance the website's usability and functionality [1].

References

[1] Nguyễn Minh Toàn, ”Construction of an Online Bookstore Website for HEBooks,” internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2023.

[2] Trần Đình Quế, Nguyễn Mạnh Sơn (2007). Phân tích và thiết kế hệ thống thông tin, Nhà xuất bản Hà Nội, Hà Nội

[3] Tô Oai Hùng (2018). Lập trình web, NXB Thông tin và truyền thông

[4] Joel Murach, Ray Harris (2013). Lập trình cơ bản PHP và MySql, NXB Khoa học và kỹ thuật

[5] 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.

[6] 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.

[7] Lê Minh Thuận, ”Construction of an Online Bookstore Website Using ASP.NET Technology,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2008.

[8] ICTU Student 122, ”Construction of an Online Sales Management Program,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.

[9] Dương Văn Toán, ”Development of an Online Book Catalog and Sales System,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2021.

[10] David R. Brooks, ”Guide to HTML, JavaScript and PHP,” Springer London, 2011. ISBN 9780857294487. DOI: 10.1007/978-0-85729-449-4.