Research on OpenWeb Technology and Its Application in Building a Website for Mother and Baby Products

ICTU Student 167
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student167@ictu.edu.vn

***Abstract*—This thesis explores the application of OpenWeb technology in developing a website for mother and baby products. The author provides an overview of OpenWeb technology, including its framework and key features, and details the design and construction of the website, focusing on database management and user interface development. The website includes functionalities such as product management, order processing, and customer management. However, the implementation of advanced features is limited due to time constraints. The author suggests future improvements, including enhanced functionality and better user interface design.**

***Index Terms*—OpenWeb, database, user interface, website, mother and baby products**

I. Introduction

The rapid development of information technology has significantly impacted business operations, emphasizing the importance of websites in managing and promoting products. This thesis aims to build a multi-level product management website for mother and baby products, facilitating easy and convenient sales and information search. The project focuses on the design and implementation of a website that can effectively manage and display a wide range of products, ensuring a seamless user experience. The website is intended to serve as a platform for both customers and administrators to manage products, orders, and customer information [1]. Published books on the methods and subject of this project provide context for this English summary [5], [6].

II. Methods

The methods section covers the design and construction of the website, including the development of the database model, user interface design, and implementation of various functionalities such as product management, order processing, and customer management. The author uses Microsoft SQL Server 2005 as the database management system and implements the website using C# and OpenWeb framework. The database model includes tables for products, orders, customers, and news. The author provides code snippets for database operations, such as inserting, updating, and deleting news items. The user interface is designed to be intuitive and user-friendly, with separate pages for product listings, order processing, and customer management [1].

Supervisor: Phạm Tuấn Anh, Thai Nguyen University of Information and Communication Technology.

III. Results

The results include the detailed design of the database, with tables for products, orders, customers, and news. The author also provides code snippets for database operations, such as inserting, updating, and deleting news items. The website includes functionalities such as product management, order processing, and customer management. However, due to time constraints, the implementation of advanced features is limited. The website is functional but lacks some of the more sophisticated functionalities that could enhance user experience and administrative efficiency [1].

IV. Discussion

The discussion highlights the limitations of the website, such as incomplete implementation of advanced features and the need for further development. The author suggests future improvements, including enhanced functionality and better user interface design. The limitations include the lack of a fully functional configuration management system and the need for a more polished user interface. The author also mentions the need for additional support to make the website more practical and effective [1].

V. Conclusion

The conclusion summarizes the author's learning experience and the challenges faced during the project. The author emphasizes the importance of continuous improvement and the need for further support to make the website more practical and effective. The project has provided valuable insights into the application of OpenWeb technology in website development, and the author is committed to further developing the website to meet the needs of both customers and administrators [1].

References

[1] ICTU Student 167, "Research on OpenWeb Technology and Its Application in Building a Website for Mother and Baby Products," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2010.

[2] Mr. Phạm Tuấn Anh, 2007, Microsoft .NET (C#) Profestional Programing For Reallife, Trung tâm đào tạo CNTT chất lượng cao ITGATEVN

[3] Mr. Phạm Tuấn Anh, 2007, OpenWebframework_TechGuide, Trung tâm đào tạo CNTT chất lượng cao ITGATEVN
[4] [PHN1] Phạm Tuấn Anh, 2007, Lập trình .Net, Học viện Công nghệ Thông tin Quốc tế NIIT- Thăng Long
[5] A. Silberschatz, H. F. Korth, and S. Sudarshan, Database System Concepts, 5th ed. McGraw-Hill, 2005. ISBN 9780072958867.
[6] I. Sommerville, Software Engineering, 7th ed. Addison-Wesley, 2004. ISBN 9780321210265.