E-Commerce

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***Abstract*—This thesis explores the role and development of e-commerce, focusing on its benefits and challenges. The author examines various aspects of e-commerce, including definitions, models, and applications, and builds a website for a company. The study highlights the importance of e-commerce in modern business and its potential to improve economic development and people's lives. The author also discusses the benefits and limitations of e-commerce, emphasizing the need for security, automation, and payment systems. The thesis concludes with suggestions for future development, including enhancing customer services and data management.**

***Index Terms*—e-commerce, B2C, B2B, ASP.NET, SQL Server, website**

I. Introduction

The thesis begins with an introduction to e-commerce, discussing its role in modern life and its global and Vietnamese development. The author explains the benefits of e-commerce, such as cost savings and time efficiency, and the need to address security and payment issues. The introduction sets the stage for a detailed analysis of e-commerce models and applications. The author also mentions the specific company, Huy Hoàng, for which a website was developed, focusing on both B2B and B2C models. [1]

II. Methods

The methods section covers the theoretical and practical aspects of e-commerce, including a review of key concepts, models, and applications. The author describes the design and construction of a website for Huy Hoàng, using ASP.NET and SQL Server 2000 for database management. The website supports both B2B and B2C models, enabling various functionalities such as product management, order tracking, and customer support. The author also discusses the use of session management and server controls to enhance the website's functionality. [1]

III. Results

The results show that the author successfully developed a website for Huy Hoàng, enabling various functionalities such as product management, order tracking, and customer support. The website supports both B2B and B2C models, and the author gained a deeper understanding of e-commerce through this project. The website was built using ASP.NET and SQL Server 2000, and the author implemented functions such as session management and server controls to enhance the website's functionality. [1]

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IV. Discussion

The discussion focuses on the benefits and limitations of e-commerce, emphasizing the importance of security, automation, and payment systems. The author also outlines future development directions, including enhancing customer services and data management. The author notes that while the website was successfully developed, further improvements could be made to the user interface and the integration of third-party payment systems. [1]

V. Conclusion

The conclusion summarizes the author's findings, highlighting the importance of e-commerce in modern business and its potential to improve economic development. The author suggests several areas for future development, including customer service and data management. The author also emphasizes the need for continuous improvement in e-commerce systems to address security and payment issues. [1]

References

[1] ICTU Student 9, "E-Commerce," undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, n.d.
[2] Xây dựng & triển khai ứng dụng thương mại điện tử tập1, 2. Phạm Hữu Khang – Nhà xuất bản thống kê
[3] ASP 3.0 và ASP.NET. Nguyễn Phương Lan – Nhà xuất bản Giáo Dục
[4] Phân tích thiết kế hệ thống trong lập trình. Đinh Xuân Lâm – Nhà xuất bản Thống kê
[5] Lập trình ứng dụng chuyên nghiệp SQL Server 2000 Phạm Hữu Khang – Nhà xuất bản Giáo dục
[6] Dotnetnuke.com
[7] Finalstyle.com
[8] Hvaonline.net
[9] Priceline.com
[10] Vivosoft.com
[11] WorldPay.com
[12] thuongmaidientu.com.vn …