Construction of an Online Sales System for Hai Nam Computer Company

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***Abstract*—This thesis focuses on the development of an online sales system for Hai Nam Computer Company, emphasizing the theoretical foundations of e-commerce, web design, and database management. The author describes the steps involved in creating a functional online sales platform, including website design, database management, and system testing. The system includes features such as product display, new product listings, search functions, and a customer management system. The author also discusses the importance of thorough testing and user experience optimization, highlighting the challenges of ensuring website functionality across different browsers and network conditions. Future plans include enhancing the payment system to keep up with global trends.**

***Index Terms*—e-commerce, web design, database management, system design, online sales, Hai Nam Computer Company**

I. Introduction

The thesis begins with an introduction to e-commerce and its significance in the modern world. It highlights the growing importance of e-commerce in Vietnam, particularly in the commercial and service sectors. The author chose to develop an online sales system for Hai Nam Computer Company to support the company's digital presence. The project aims to enhance the company's market reach and customer engagement through an efficient online platform. The author acknowledges the support of their instructor, Nguyễn Thị Thanh Nhàn, and the faculty, which facilitated the completion of the thesis. [1]

II. Methods

The methods section covers the theoretical aspects of e-commerce, web design, and database management. It includes the design and implementation of a website, the creation of a database, and the testing of the website to ensure its functionality and user experience. The author describes the process of creating a website, from analyzing user needs to designing and testing the website. The website includes features such as product display, new product listings, search functions, and a customer management system. The author also mentions the importance of thorough testing, including cross-browser and cross-network testing, to ensure the website functions well under various conditions. [1]

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III. Results

The results section describes the development of a functional online sales system for Hai Nam Computer Company. The website includes features such as product display, new product listings, search functions, and a customer management system. The author mentions plans to enhance the payment system in the future to keep up with global trends. However, no specific metrics or user feedback are provided to evaluate the system's performance. The website was designed and tested to ensure functionality across different browsers and network conditions, but no detailed evaluation results are reported. [1]

IV. Discussion

The discussion section elaborates on the theoretical concepts of databases and system design. It covers the components of a system, including data, processing, and user interaction. The author discusses the design and implementation of various system components, such as database design, user interface, and control mechanisms. The discussion highlights the importance of thorough testing and user experience optimization. The author also mentions the challenges of ensuring website functionality across different browsers and network conditions, emphasizing the need for continuous improvement and adaptation to global trends. [1]

V. Conclusion

The conclusion summarizes the successful development of the online sales system for Hai Nam Computer Company. The author expresses a desire to further develop the payment system and improve the overall functionality of the website. The thesis highlights the importance of thorough testing and user experience optimization. The author acknowledges the support of their instructor and the faculty, which facilitated the completion of the thesis. The project aims to enhance the company's market reach and customer engagement through an efficient online platform. [1]

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