Construction of an Online Shoe Sales Website Based on the MVC Model

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***Abstract*—This thesis presents the construction of an online shoe sales website using the Model-View-Controller (MVC) architectural model. The author, Nguyen Duc Tuyen, from the K15B class of the Software Engineering program, designed and implemented a basic website to facilitate online shoe sales. The project involved understanding HTML, PHP, and the MVC model, and the website was intended to be simple, user-friendly, and functional for online sales. However, the website's information display was not fully flexible, and management operations were slow. The author gained a basic understanding of HTML, PHP, and the MVC model, but the website's functionality and user experience could be improved. The project provided a foundation for online shoe sales but faced several limitations.**

***Index Terms*—MVC, PHP, HTML, Online Sales, Website**

I. Introduction

In today's digital age, the application of information technology and informatization is crucial for businesses and organizations. The Internet has become a valuable tool for global information exchange. This thesis focuses on the construction of an online shoe sales website using the MVC model, aiming to provide a platform for online sales and customer interaction. The project involved understanding and implementing HTML, PHP, and the MVC model. The website was designed to be simple, user-friendly, and functional for online sales, but faced limitations in information display flexibility and management operations [1]. Related earlier ICTU undergraduate theses provide context for this English summary [3]. Published articles on the methods and subject of this project provide context for this English summary [4]. Published books on the methods and subject of this project provide context for this English summary [5].

II. Methods

The author, Nguyen Duc Tuyen, studied HTML, PHP, and the MVC model to design and implement a basic online shoe sales website. The website was intended to be simple, user-friendly, and functional for online sales. The project involved creating a basic structure using HTML for the user interface, implementing PHP for server-side scripting, and organizing the application into the MVC architecture. The website was designed to allow customers to browse and purchase shoes online, but the information display was not fully flexible, and management operations were slow [1].

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III. Results

The website was designed to be simple, user-friendly, and functional for online sales. However, the information display was not fully flexible, and management operations were slow. The author gained a basic understanding of HTML, PHP, and the MVC model. The website allowed customers to browse and purchase shoes online, but the management of the website's content and operations was not efficient. The project provided a foundation for online shoe sales but faced several limitations in functionality and user experience [1].

IV. Discussion

Despite the limitations, the project provided a foundation for online shoe sales. The author acknowledges the need for further improvements in the website's functionality and user experience. The project highlighted the importance of flexibility in information display and the need for more efficient management operations. The author suggests that future work could focus on enhancing the website's functionality and user experience by improving the information display and management operations [1].

V. Conclusion

The project was completed with the guidance of lecturer To Huu Nguyen. The author acknowledges the need for further improvements in the website's functionality and user experience. The project provided a basic framework for online shoe sales but faced several limitations. The author will continue to work on improving the website's functionality and user experience in future projects. The source also explicitly acknowledges remaining software bugs and the need to refine both the functions and the interface [1].

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