Construction of an Electronic Components Sales Website for Quang Minh Store

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***Abstract*—This thesis presents the construction of a website for selling electronic components for Quang Minh Store in Thai Nguyen. The author explores the basics of PHP, MySQL, and the Model-View-Controller (MVC) architecture. The website includes basic functionalities such as search, add, edit, delete, and order placement. However, the presentation of information on the website is not yet flexible, and management operations are slow. The author acknowledges the need for further improvements to enhance the website's functionality and user experience. The source also acknowledges remaining software bugs and identifies both the functions and presentation as areas for further refinement.**

***Index Terms*—PHP, MySQL, MVC, electronic components, website**

I. Introduction

The thesis provides an overview of PHP, MySQL, and the MVC architecture, aiming to design a website for selling electronic components. The author explores the fundamentals of these technologies and their applications in web development. The study covers the installation and configuration of XAMPP to create a local server environment, and the development of a simple website with basic functionalities such as search, add, edit, delete, and order placement. The website design is simple, user-friendly, and functional, but the author acknowledges that the presentation of information on the website is not yet flexible, and management operations are slow [1]. Related earlier ICTU undergraduate theses provide context for this English summary [6], [7], [8]. Published books on the methods and subject of this project provide context for this English summary [9], [10].

II. Methods

The author studied PHP, MySQL, and the MVC architecture through online resources and books. The website was developed using XAMPP to create a local server environment. The design includes basic functionalities such as search, add, edit, delete, and order placement. The author also created a database to store information about electronic components, which can be accessed and managed through the website. The website was tested by adding, editing, and deleting components, as well as placing orders. However, the author notes that the presentation of information on the website is not yet flexible, and management operations are slow [1].

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III. Results

The website was developed with basic functionalities, including search, add, edit, delete, and order placement. The author tested the website by adding, editing, and deleting components, as well as placing orders. However, the presentation of information on the website is not yet flexible, and management operations are slow. The author acknowledges that further improvements are needed to enhance the website's functionality and user experience [1].

IV. Discussion

The website design is simple, user-friendly, and functional. However, the author acknowledges that the presentation of information on the website is not yet flexible, and management operations are slow. The author suggests that further improvements are needed to enhance the website's functionality and user experience. The author also notes that the website lacks advanced features such as real-time updates, user authentication, and payment processing. The author suggests that these features could be added in future work [1].

V. Conclusion

The thesis concludes that the website has been developed with basic functionalities, but there are still limitations in the presentation of information and management operations. The author expresses a desire for further improvements and acknowledges the need for more experience and knowledge in web development. The author suggests that future work could focus on adding advanced features such as real-time updates, user authentication, and payment processing [1].

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