Construction of an Online Shopping Website for a Furniture Store

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***Abstract*—This thesis presents the construction of an online shopping website for a furniture store, utilizing the Laravel framework. The author describes the development process, including the use of Laravel for easy upgrade and additional feature development, as well as the website's user-friendly interface and content management capabilities. The project was completed within the given timeframe, though the author acknowledges limitations due to time and experience constraints. The website allows for easy content management by the administrator, a user-friendly interface for customers, and the potential for future upgrades and additional features. The project met the basic requirements for a shopping website, including design and system analysis. However, the author suggests future improvements including more detailed reporting, online payment options, and better search management.**

***Index Terms*—Laravel, furniture store, online shopping, content management, user interface, framework**

I. Introduction

The thesis introduces the construction of an online shopping website for a furniture store, using the Laravel framework. It highlights the importance of technology in modern society and the need for businesses to adapt to digital platforms. The author chose this topic to address the practical requirements of a furniture store in the digital age. The project aims to provide a platform for the furniture store to sell its products online, enhancing customer reach and sales potential. The author acknowledges the challenges of limited time and experience, which may affect the project's completeness and depth [1]. Related earlier ICTU undergraduate theses provide context for this English summary [3], [4], [5], [9]. Official technical documentation listed by the original thesis provides implementation context [6], [7]. Published articles on the methods and subject of this project provide context for this English summary [8]. Published books on the methods and subject of this project provide context for this English summary [10].

II. Methods

The author utilized the Laravel framework to develop the website, focusing on content management, user interface design, and the ability to easily upgrade and add new features. The development process involved a thorough analysis of the current state of the store, followed by the design and implementation of the website. The author conducted a survey to understand the store's needs and identified key functionalities such as product listings, user registration, and content management. The Laravel framework was chosen for its robustness and ease of use, allowing for rapid development and future scalability. The project was completed within the given timeframe, but the author notes that the limited experience and time constraints may have impacted the project's depth and completeness [1].

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III. Results

The website was successfully developed, allowing for easy content management by the administrator, a user-friendly interface for customers, and the potential for future upgrades and additional features. The project met the basic requirements for a shopping website, including design and system analysis. The website features a clean and intuitive interface, enabling customers to browse and purchase products easily. The administrator can manage content, including adding new products, updating product information, and managing user accounts. The project did not include detailed reporting, online payment options, or advanced search functionalities, which the author suggests as areas for future improvement [1].

IV. Discussion

The website demonstrated the benefits of using Laravel, such as ease of upgrade and development. However, the author noted that the project had limitations due to time and experience constraints, and suggested future improvements including more detailed reporting, online payment options, and better search management. The author emphasizes the importance of these features for a fully functional online shopping platform. The project's success in providing a basic framework for the furniture store to sell its products online highlights the potential of Laravel for small businesses. However, the author acknowledges the need for further development to meet the store's more advanced requirements [1].

V. Conclusion

The author successfully completed the project within the given timeframe, achieving the basic requirements for a shopping website. The project highlighted the importance of using modern frameworks like Laravel for website development, but acknowledged the need for further development to fully meet the business's needs. The website allows for easy content management by the administrator and a user-friendly interface for customers, providing a foundation for future enhancements.

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