Construction of an Online Clothing Store Website for Ilike Store

Lô Khánh Hòa
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student452@ictu.edu.vn

***Abstract*—This thesis presents the construction of a website for selling clothing for the Ilike store, utilizing ReactJS and ExpressJS frameworks. The website allows for easy content management by administrators and provides a user-friendly experience for customers. It includes basic functionalities for a clothing store website, such as easy access, simple and intuitive interface, and basic design requirements. The project was completed within the constraints of a limited time frame, and future improvements include more detailed reporting, customer purchase history, online payment, and improved search management. The website meets the basic requirements for a clothing store website, but there is potential for further development to enhance user experience and functionality.**

***Index Terms*—ReactJS, ExpressJS, website, online store, administrative management, customer interface**

I. Introduction

The thesis introduces the construction of a website for selling clothing for the Ilike store, focusing on the use of ReactJS and ExpressJS frameworks. The project aims to provide a user-friendly interface and easy content management for administrators. The student, Lô Khánh Hòa, completed the project as part of his final year undergraduate thesis in the Software Engineering program at Thái Nguyên University. The project covers the theoretical background of ReactJS, Redux, React Router, NodeJS, and ExpressJS, providing a foundation for the website development. The student acknowledges the limitations of the project due to the time constraints and the need for further development to enhance user experience and functionality [1]. Published books on the methods and subject of this project provide context for this English summary [4]. Published articles on the methods and subject of this project provide context for this English summary [5], [6].

II. Methods

The methods section discusses the theoretical background of ReactJS, Redux, React Router, NodeJS, and ExpressJS, providing a foundation for the website development. The project involves the implementation of these technologies to create a user-friendly and administratively manageable online store. The student, Lô Khánh Hòa, implemented basic functionalities such as easy access, a simple and intuitive interface, and basic design requirements. The project was completed within the constraints of a limited time frame, and the student acknowledges the need for further development to enhance user experience and functionality [1].

Supervisor: Nguyễn Thị Dung, Thai Nguyen University of Information and Communication Technology.

III. Results

The website was successfully developed, allowing for easy content management by administrators and providing a user-friendly experience for customers. It meets basic requirements for a clothing store website, including easy access, a simple and intuitive interface, and basic design requirements. The project was completed within the constraints of a limited time frame, and the student acknowledges the need for further development to enhance user experience and functionality. The website includes basic functionalities such as easy access, a simple and intuitive interface, and basic design requirements. Future improvements include more detailed reporting, customer purchase history, online payment, and improved search management [1].

IV. Discussion

The project demonstrates the application of ReactJS and ExpressJS in creating a functional online store. While the website meets basic requirements, there is potential for further development to enhance user experience and functionality. The student, Lô Khánh Hòa, acknowledges the limitations of the project due to the time constraints and the need for further development to enhance user experience and functionality. The project provides a user-friendly interface and easy content management for administrators, but there is potential for improvement in areas such as detailed reporting, customer purchase history, online payment, and improved search management [1].

V. Conclusion

The thesis concludes that the website for the Ilike store was successfully developed using ReactJS and ExpressJS. It provides a user-friendly interface and easy content management for administrators. However, there are areas for improvement, such as more detailed reporting and enhanced search functionality. The student, Lô Khánh Hòa, acknowledges the limitations of the project due to the time constraints and the need for further development to enhance user experience and functionality. The project demonstrates the application of ReactJS and ExpressJS in creating a functional online store, but there is potential for further development to enhance user experience and functionality [1].

References

[1] Lô Khánh Hòa, ”Construction of an Online Clothing Store Website for Ilike Store,” internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2021.

[2] Giáo trình Phân tích thiết kế hệ thống, Trường Đại học Công nghệ thông tin và Truyền thông, 2016

[3] Đoàn Văn Ban, Phân tích thiết kế hướng đối tượng bằng UML, Nhà xuất bản KHKT, 2010

[4] Lisa Sims, ”Building Your Online Store With WordPress and WooCommerce,” Apress, 2018. ISBN 9781484238455. DOI: 10.1007/978-1-4842-3846-2.

[5] Eun Joo Park, Heewon Sung, Eun Young Kim, ”THE ROLE OF ONLINE STORE SERVICES IN ONLINE IMPULSE BUYING OF APPAREL PRODUCTS,” Global Fashion Management Conference, vol. 4, no. 9, pp. 612-613, 2015. DOI: 10.15444/gfmc2015.04.09.10.

[6] Aleksandra Całka, Katarzyna Pałys, ”Online website in brand creation of online store,” Marketing i Zarządzanie, vol. 46, pp. 129-134, 2016. DOI: 10.18276/miz.2016.46-13.