Study of Laravel, VueJS, React, Docker, GitHub and Development of an Admin Module for Shopify App EComposer – Landing Page Builder

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***Abstract*—This thesis investigates the application of Laravel, VueJS, React, Docker, and GitHub in developing an admin module for the Shopify app EComposer – Landing Page Builder. The author, Nguyen Duc Duy, aimed to enhance their understanding of web programming techniques and improve their skills in system analysis and design. The project successfully implemented core functionalities such as shop management, library, and reviews. However, the website still had some deficiencies in terms of interface and functionality due to the author's limited knowledge. The study also highlighted the importance of continuous learning and improvement in web development.**

***Index Terms*—Laravel, VueJS, React, Docker, GitHub, Shopify**

I. Introduction

The thesis explores the use of Laravel, VueJS, React, Docker, and GitHub in developing an admin module for the Shopify app EComposer – Landing Page Builder. The author, Nguyen Duc Duy, aimed to enhance their understanding of web programming techniques and improve their skills in system analysis and design. The project involved researching existing landing page builders on Shopify, analyzing the requirements for the admin module, and designing the module using UML diagrams and database design. The implementation was carried out using Laravel, VueJS, and React, with Docker and GitHub for development and version control [1]. Published books on the methods and subject of this project provide context for this English summary [5], [6], [7], [8].

II. Methods

The methods involved researching existing landing page builders on Shopify, analyzing the requirements for the admin module, and designing the module using UML diagrams and database design. The project was implemented using Laravel, VueJS, and React, with Docker and GitHub for development and version control. The author conducted a thorough analysis of the existing landing page builders on Shopify to identify the necessary features and functionalities. The requirements for the admin module were then defined, and the module was designed using UML diagrams and database design. The implementation was carried out using Laravel for the backend, VueJS for the frontend, and React for specific components. Docker was used for containerization, and GitHub was utilized for version control and collaboration [1].

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III. Results

The project successfully implemented core functionalities such as shop management, library, and reviews. The admin module provided a dashboard for managing the shop, including the ability to add and edit products, manage categories, and handle orders. The library feature allowed users to manage templates and assets, while the reviews feature enabled customers to leave feedback on products. However, the website still had some deficiencies in terms of interface and functionality due to the author's limited knowledge. The author noted that the project's success was limited by their knowledge gaps, leading to some interface and functionality issues. The author suggested further development to improve the app's usability and functionality [1].

IV. Discussion

The author noted that the project's success was limited by their knowledge gaps, leading to some interface and functionality issues. The author suggested further development to improve the app's usability and functionality. The study highlighted the importance of continuous learning and improvement in web development. The author acknowledged the need for additional training and experience to address the limitations identified in the project. The author also emphasized the importance of staying updated with the latest web development technologies and best practices [1].

V. Conclusion

The author concluded that the project successfully implemented core functionalities such as shop management, library, and reviews. However, the website still had some deficiencies in terms of interface and functionality due to the author's limited knowledge. The author acknowledged the need for further development to address the identified issues. The author also highlighted the importance of continuous learning and improvement in web development. The study provided valuable insights into the application of Laravel, VueJS, React, Docker, and GitHub in developing admin modules for Shopify apps [1].

References

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