Development of a Portal for Connecting Learners

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***Abstract*—This thesis focuses on the development of a web portal for a student network using ASP.NET and Vue.js frameworks. The author provides a detailed theoretical foundation of these frameworks, explaining their structure, characteristics, and use cases. The project includes a login system, article management, and user management functionalities. However, the product is only a demonstration, lacking real articles and requiring further development for a more optimized performance. The author acknowledges the limitations of the project, noting that the product is only a demonstration and lacks real articles. The system's interface is not yet fully developed, and the author plans to continue developing the system to improve its functionality and performance.**

***Index Terms*—ASP.NET, Vue.js, Web portal, Client-server, HTTP**

I. Introduction

The thesis begins with an overview of the ASP.NET and Vue.js frameworks, explaining their structure, characteristics, and use cases. The author then delves into the client-server model and HTTP protocols. The project aims to develop a web portal for a student network, detailing the business processes, functional specifications, and system design. The final chapter summarizes the achievements and limitations of the project, highlighting the need for further development to enhance the system's functionality and performance [1]. Published books on the methods and subject of this project provide context for this English summary [7], [8].

II. Methods

The author uses ASP.NET and Vue.js to develop a web portal for a student network. The project includes a login system, article management, and user management functionalities. The design process involves use case diagrams, class diagrams, and sequence diagrams to ensure a structured and functional system. The author also discusses the theoretical foundations of these frameworks, explaining their structure, characteristics, and use cases. The project's implementation includes the use of ASP.NET for server-side processing and Vue.js for client-side rendering, ensuring a seamless user experience [1].

III. Results

The thesis successfully demonstrates the use of ASP.NET and Vue.js in a web portal. The system includes login, article management, and user management functionalities. However, the product is only a demonstration, lacking real articles and requiring further development for a more optimized performance. The author acknowledges the limitations of the project, noting that the product is only a demonstration and lacks real articles. The system's interface is not yet fully developed, and the author plans to continue developing the system to improve its functionality and performance [1].

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IV. Discussion

The author acknowledges the limitations of the project, noting that the product is only a demonstration and lacks real articles. The system's interface is not yet fully developed, and the author plans to continue developing the system to improve its functionality and performance. The author also discusses the theoretical foundations of ASP.NET and Vue.js, explaining their structure, characteristics, and use cases. The project's implementation includes the use of ASP.NET for server-side processing and Vue.js for client-side rendering, ensuring a seamless user experience [1].

V. Conclusion

The author concludes that the project has achieved its theoretical and practical goals, providing a foundation for further development. The system has been successfully built using ASP.NET and Vue.js, but there is room for improvement in terms of content and performance optimization. The author acknowledges the limitations of the project, noting that the product is only a demonstration and lacks real articles. The system's interface is not yet fully developed, and the author plans to continue developing the system to improve its functionality and performance [1].

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