BUILDING A WORK LOG MANAGEMENT SYSTEM ON THE MVC AND ASP.NET MODEL

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***Abstract*—This undergraduate thesis presents the design and implementation of a work log management system using ASP.NET and the MVC model. The author, Đỗ Thị Hồng Nguyệt, successfully developed a user-friendly interface and integrated SQL Server for database management. The system was built as part of a final project in the Software Engineering program at Thai Nguyen University of Information and Communication Technology in 2021. The author gained knowledge in ASP.NET, MVC, and SQL Server, but the system had limitations and was not extensively evaluated. The work focused on the theoretical and practical aspects of web application development, including the use of UML for object-oriented analysis and design.**

***Index Terms*—ASP.NET, MVC, SQL Server, UML, Work Log Management, Web Application**

I. Introduction

The thesis introduces the development of a work log management system using ASP.NET and the MVC model. It covers the basic knowledge of ASP.NET, the web application architecture, and the SQL Server database system. The author also discusses the use of UML for object-oriented analysis and design. The project was part of a final course in the Software Engineering program at Thai Nguyen University of Information and Communication Technology. The author aimed to understand the principles of web application development and gain practical experience in using ASP.NET and SQL Server [1]. Published books on the methods and subject of this project provide context for this English summary [2], [3].

II. Methods

The author conducted a literature review, analyzed and designed the system, and implemented the work log management system using ASP.NET and the MVC model. The system was designed to be user-friendly and integrated with SQL Server for database management. The author used UML for the object-oriented analysis and design of the system. The implementation involved creating a web interface for users to log their work activities and manage their work logs. The system was built as a standalone project without any external deployment or testing [1].

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III. Results

The author successfully developed a work log management system, which included a user-friendly interface and integration with SQL Server. The system was built as part of a final project and demonstrated the author's proficiency in ASP.NET and UML. However, the system was not extensively evaluated, and the author noted that it still had limitations and was relatively simple. The system was designed to be user-friendly and integrated with SQL Server, but the author did not provide any specific details on the performance or functionality of the system [1].

IV. Discussion

The system was designed to be user-friendly and integrated with SQL Server, but the author noted that it still had limitations and was relatively simple. The author did not provide any specific details on the performance or functionality of the system. The limitations included the lack of extensive testing and evaluation, as well as the simplicity of the system. The author suggested that further work could include more advanced features and a more comprehensive evaluation of the system's performance and usability [1].

V. Conclusion

The author successfully completed the work log management system as part of a final project, gaining knowledge in ASP.NET, MVC, and SQL Server. However, the system had limitations and was not extensively evaluated. The author suggested that further work could include more advanced features and a more comprehensive evaluation of the system's performance and usability. The project focused on the theoretical and practical aspects of web application development, including the use of UML for object-oriented analysis and design [1].

References

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