Information Technology for Managing the Recreation Club of Sec-Viet Co., Ltd. in Bac Giang

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***Abstract*—This thesis explores the application of information technology in managing play clubs within Séc-Viet Company in Bac Giang Province. The study focuses on developing a web-based management system using ASP.NET and SQL Server 2000. The system includes basic functionalities such as member management, service management, and advanced search. The research highlights the benefits of integrating IT in managing play clubs, including improved efficiency and data security. However, the system's limitations include some manual management processes and incomplete online payment features.**

***Index Terms*—Information Technology, Web Management, ASP.NET, SQL Server, UML, Play Club**

I. Introduction

The rapid development of information technology has significantly transformed daily life. This thesis examines the application of IT in managing play clubs within Séc-Viet Company, a business operating in Bac Giang Province, Vietnam. The study aims to enhance the management of play clubs through a web-based system, leveraging ASP.NET and SQL Server 2000. The research is based on a thorough analysis of the existing management practices and the identification of key requirements for an effective management system. The study also discusses the limitations and future directions for improvement [1]. Published books on the methods and subject of this project provide context for this English summary [5], [6], [7].

II. Methods

The research employs object-oriented analysis and design using UML. The system's design includes a user-friendly interface, modular architecture, and secure database management. The study also discusses the limitations and future directions for improvement. The design process involved the identification of key actors, use case diagrams, and detailed UC descriptions. The system was developed using ASP.NET with C# 2008 and SQL Server 2000, ensuring a robust and secure environment for data storage and retrieval [1].

III. Results

The developed system includes essential functionalities such as member registration, account management, service management, and advanced search. However, the system lacks an online payment feature. The research concludes that the system partially meets the requirements for managing a play club website. The system was tested through various scenarios, including member registration, service management, and advanced search functionalities. The results indicate that the system can effectively manage the day-to-day operations of the play club, but further enhancements are needed to fully integrate online payment capabilities [1].

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IV. Discussion

The thesis discusses the benefits of integrating IT in managing play clubs, including improved efficiency and data security. However, it also identifies limitations such as incomplete functionalities and the need for more practical experience in system design. The study highlights the importance of user-friendly interfaces and secure database management in the design of such systems. The research suggests that future work should focus on enhancing the system's features, particularly in online payment capabilities, to better meet the needs of the play club [1].

V. Conclusion

The application of IT in managing play clubs has proven to be beneficial, reducing management time and effort. However, the system's development faced challenges due to limited time and experience. Future work will focus on enhancing the system's features, particularly in online payment capabilities, to better meet the needs of the play club. The research concludes that the developed system can effectively manage the day-to-day operations of the play club, but further improvements are necessary to fully integrate online payment functionalities [1].

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