Construction of an Information Management System for Quang Trung Kindergarten in Thai Nguyen City via the Internet

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***Abstract*—This thesis presents the development of an information management system for Quang Trung Kindergarten in Thai Nguyen City, utilizing ASP.NET and SQL Server 2000. The system aims to enhance the kindergarten's management, including financial transparency, and facilitate communication between the school and parents. The system includes features such as monitoring monthly and daily expenses, updating class and student fees, and providing parents with access to their children's information. The research covers theoretical foundations, system analysis, and detailed design, highlighting the practical implementation of web programming techniques. The system was successfully developed and implemented, providing features such as monitoring monthly and daily expenses, updating class and student fees, and allowing parents to access their children's information. The design and implementation of the system were based on the theoretical foundations of web programming and database management.**

***Index Terms*—ASP.NET, SQL Server, Web Programming, Information Management, Kindergarten**

I. Introduction

The thesis explores the development of an information management system for Quang Trung Kindergarten in Thai Nguyen City, focusing on the use of ASP.NET and SQL Server 2000. The system aims to improve the kindergarten's management, enhance financial transparency, and facilitate communication between the school and parents. The system includes features such as monitoring monthly and daily expenses, updating class and student fees, and providing parents with access to their children's information. The research covers theoretical foundations, system analysis, and detailed design, highlighting the practical implementation of web programming techniques. The system was designed to meet the needs of the kindergarten and provide practical solutions for managing student and financial information [1]. Published books on the methods and subject of this project provide context for this English summary [8], [9].

II. Methods

The research covers theoretical foundations, system analysis, and detailed design. It utilizes ASP.NET for web programming and SQL Server 2000 for database management. The system includes features such as monitoring monthly and daily expenses, updating class and student fees, and providing parents with access to their children's information. The system was developed using ASP.NET, which allows for client-side and server-side scripting, enabling dynamic web pages and secure data handling. SQL Server 2000 was used for database management, ensuring data integrity and security. The system was designed to meet the specific needs of the kindergarten, including financial transparency and communication between the school and parents [1].

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III. Results

The system was successfully developed and implemented, providing features such as monitoring monthly and daily expenses, updating class and student fees, and allowing parents to access their children's information. The system was designed to enhance the kindergarten's management and improve communication between the school and parents. The implementation included the creation of a parent portal, which allowed parents to view and update their children's information, monitor expenses, and communicate with the school. The system was tested through user acceptance testing, and feedback was collected to ensure its usability and effectiveness. However, due to limited resources and time, the system did not include advanced features such as online payment or detailed health tracking [1].

IV. Discussion

The system successfully implemented features such as monitoring monthly and daily expenses, updating class and student fees, and providing parents with access to their children's information. The design and implementation of the system were based on the theoretical foundations of web programming and database management. The system provided a practical solution for managing student and financial information, enhancing the kindergarten's management and communication with parents. However, the system's limitations included the absence of advanced features such as online payment or detailed health tracking, which could have further improved its functionality. The system's success in meeting the kindergarten's needs and providing a user-friendly interface for parents highlights the

importance of tailored solutions in educational management systems [1].

V. Conclusion

The thesis concludes that the developed system effectively enhances the management of Quang Trung Kindergarten, including financial transparency and communication between the school and parents. The system was designed to meet the needs of the kindergarten and provide practical solutions for managing student and financial information. The system's success in meeting the kindergarten's needs and providing a user-friendly interface for parents highlights the importance of tailored solutions in educational management systems. Future work could focus on incorporating advanced features such as online payment and detailed health tracking to further enhance the system's functionality [1].

References

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