Online Sales Support System for Phuong Dong Culture and Media Joint Stock Company

ICTU Student 213
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student213@ictu.edu.vn

***Abstract*—This thesis focuses on the development of an online sales information system for Văn Hóa và Truyền Thông Phương Đông Joint Stock Company. The system supports various functionalities such as member registration, system login, product search, and online purchase. The research covers theoretical foundations, system analysis, and design, including database design and UML modeling. The system's functionalities are introduced, and the process of payment and order management are detailed. The thesis also discusses the implementation of specific use cases, such as member registration, login, product search, and purchase, along with the payment process and order management. The system successfully supports online sales for the company, providing a comprehensive solution for managing user and product information, and facilitating online transactions.**

***Index Terms*—database, UML, e-commerce, payment, system design**

I. Introduction

The thesis provides an overview of database concepts, SQL Server 2005, and UML modeling. It also discusses the benefits and applications of e-commerce, legal aspects, and payment methods. The research aims to develop an online sales support system for Văn Hóa và Truyền Thông Phương Đông Joint Stock Company. The system is designed to enhance the company's online sales capabilities by providing a user-friendly interface for both customers and administrators. The introduction covers the theoretical foundations of database management, SQL Server 2005, and UML modeling, which are essential for the system's development. The research also explores the legal and payment aspects of e-commerce, ensuring that the system complies with relevant regulations and supports secure transactions [1]. Published books on the methods and subject of this project provide context for this English summary [6], [7], [8], [9], [10].

II. Methods

The methods include theoretical studies, system analysis, and design using UML. The database design is detailed, and specific use cases such as member registration, login, product search, and purchase are described. The payment process and order management are also covered. The thesis details the system's functionalities, including the homepage, product categories, registration, login, and payment. The database design and UML diagrams for various use cases are provided. The payment process involves entering payment information and confirming the transaction. The system's design and functionalities are discussed, highlighting the use of UML for modeling and the database design for managing user and product information. The payment process is described, including the steps for entering and confirming payment information [1].

Supervisor: ICTU Teacher 146, Thai Nguyen University of Information and Communication Technology.

III. Results

The thesis details the system's functionalities, including the homepage, product categories, registration, login, and payment. The database design and UML diagrams for various use cases are provided. The payment process involves entering payment information and confirming the transaction. The system successfully supports online sales for Văn Hóa và Truyền Thông Phương Đông Joint Stock Company, providing a comprehensive solution for managing user and product information, and facilitating online transactions. The system's implementation includes specific use cases such as member registration, login, product search, and purchase, along with the payment process and order management. The system's functionalities are introduced, and the process of payment and order management are detailed. The system's design and functionalities are discussed, highlighting the use of UML for modeling and the database design for managing user and product information. The payment process is described, including the steps for entering and confirming payment information [1].

IV. Discussion

The system's design and functionalities are discussed, highlighting the use of UML for modeling and the database design for managing user and product information. The payment process is described, including the steps for entering and confirming payment information. The system's implementation includes specific use cases such as member registration, login, product search, and purchase, along with the payment process and order management. The system's functionalities are introduced, and the process of payment and order management are detailed. The system's design and functionalities are discussed, highlighting the use of UML for modeling and the database design for managing user and product information. The payment process is described, including the steps for entering and confirming payment information. The system successfully supports online sales for Văn Hóa và

Truyền Thông Phương Đông Joint Stock Company, providing a comprehensive solution for managing user and product information, and facilitating online transactions [1]. Earlier ICTU undergraduate work by Phạm Tuấn Hải addressed online sales information systems [5].

V. Conclusion

The thesis concludes that the developed system successfully supports online sales for Văn Hóa và Truyền Thông Phương Đông Joint Stock Company, providing a comprehensive solution for managing user and product information, and facilitating online transactions. The system's design and functionalities are discussed, highlighting the use of UML for modeling and the database design for managing user and product information. The payment process is described, including the steps for entering and confirming payment information. The system's implementation includes specific use cases such as member registration, login, product search, and purchase, along with the payment process and order management. The system's functionalities are introduced, and the process of payment and order management are detailed. The system's design and functionalities are discussed, highlighting the use of UML for modeling and the database design for managing user and product information. The payment process is described, including the steps for entering and confirming payment information [1].

References

[1] ICTU Student 213, "Online Sales Support System for Phuong Dong Culture and Media Joint Stock Company," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2010.

[2] Phạm Hữu Khang (chủ biên), Xây dựng & triển khai ứng dụng Thương mại điện tử, Nhà xuất bản Thống Kê

[3] ThS.Nguyễn Hoài Anh – ThS.Ao Thu Hoài, Thương mại điện tử, Nhà xuất bản Bưu điện tháng 9 - 2007

[4] Phạm Hữu Khang (chủ biên), C# 2005 - Tập 5: Lập trình ASP.Net – Quyển 4: Đối tượng ADO.NET 2.0 và XML, Nhà xuất bản lao động xã hội

[5] Phạm Tuấn Hải, "Construction of a Commercial Website for Huyền Vấn Limited Liability Company," internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.

[6] M. Fowler, UML Distilled: A Brief Guide to the Standard Object Modeling Language, 3rd ed. Addison-Wesley Professional, 2003. ISBN 9780321193681.

[7] R. Kalakota and A. B. Whinston, Electronic Commerce: A Manager's Guide. Addison-Wesley Professional, 1996. ISBN 9780201880670.

[8] A. Silberschatz, H. F. Korth, and S. Sudarshan, Database System Concepts, 5th ed. McGraw-Hill, 2005. ISBN 9780072958867.

[9] M. J. Hernandez, Database Design for Mere Mortals: A Hands-On Guide to Relational Database Design, 2nd ed. Addison-Wesley Professional, 2003. ISBN 9780201752847.

[10] I. Sommerville, Software Engineering, 7th ed. Addison-Wesley, 2004. ISBN 9780321210265.