Application of Web Programming Technology to Build an Online Working System for Creative Service Solution Co., Ltd

ICTU Student 190
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student190@ictu.edu.vn

***Abstract*—The thesis proposes an online working and meeting system for Creative Service Solution Co., Ltd. It identifies PHP and Microsoft SQL Server 2005 as development technologies and describes a web-based video-conference service for company staff and managers. The stated functions include creating meeting rooms, exchanging audio and video, and private text chat. The proposed client requires an internet-connected computer with a webcam and microphone, while the server handles requests and database access. The source presents lower meeting costs as an expected benefit after a complete system is developed. The available excerpt does not document a measured cost reduction, performance test, or actual adoption by company staff.**

***Index Terms*—PHP, Web Programming, Online Meeting, Creative Service Solution, Remote Communication**

I. Introduction

In the current information age, the exchange of information is crucial. The thesis focuses on the application of web programming technology, particularly PHP, to build an online working system for Creative Service Solution Co., Ltd. The system aims to reduce the costs of traditional face-to-face meetings and improve communication among employees and management. The project was initiated due to the company's need to facilitate remote meetings and manage the frequent travel of its employees. The system is designed to be accessible via a web browser, requiring only a computer with internet access, webcam, and microphone. The development process involved the use of PHP and Microsoft SQL Server 2005, with the system including features such as creating online meeting rooms, using video and audio, and private chat windows [1]. Published books on the methods and subject of this project provide context for this English summary [2].

II. Methods

The author analyzes the company's proposed communication workflow and divides the web application into client and server components. Staff members and managers would access the service as clients, while the server would process requests and retrieve records from a database. The design describes user login, participation in a video-conference room, audio and video exchange, and a separate chat channel. PHP and Microsoft SQL Server 2005 are named as the implementation environment. The available source excerpt contains requirements and functional diagrams but no reproducible protocol for testing response times, concurrent users, or organizational costs [1].

Supervisor: Đỗ Đình Cường, Thai Nguyen University of Information and Communication Technology (ddcuong@ictu.edu.vn).

III. Results

The documented output is a functional design for the online meeting service. The source identifies the video-conference function, user access through company accounts, the server-client division, meeting-room creation, audio and video exchange, and private chat. It also states the equipment needed by a user: an internet-connected computer, webcam, and microphone. These descriptions show what the system is intended to provide. The available excerpt does not establish that it was deployed, tested with staff, or shown to reduce travel or meeting expenses. No numerical performance or use data are reported [1].

IV. Discussion

Remote meetings could reduce the need for physical co-location, but the thesis presents that effect as an expected benefit of a complete application. The proposed architecture depends on a server able to support simultaneous access and on each client having adequate network and audiovisual equipment. Those dependencies matter for any practical deployment. The available excerpt supplies no observations from actual meetings and no load-test or cost figures. The appropriate conclusion is that the document specifies a plausible web service and its functional requirements, while practical effectiveness remains to be demonstrated [1].

V. Conclusion

The thesis describes the design of a web-based meeting system for a named company, with proposed meeting rooms, video, audio, and private chat. It identifies PHP, Microsoft SQL Server 2005, a server for shared processing, and browser-based clients with webcams and microphones. The source frames improved communication and lower meeting costs as intended outcomes after completion. Because the available material does not report measured costs, performance, or company adoption, this summary does not claim those effects were achieved. Further implementation and observed use would be needed to assess them [1].

References

[1] ICTU Student 190, ”Application of Web Programming Technology to Build an Online Working System for Creative Service Solution Co., Ltd,” internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2010.

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