Construction and Implementation of a Financial Stock Information Portal

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***Abstract*—This thesis focuses on the construction and implementation of a financial stock information portal, aiming to provide up-to-date financial news to stock traders. The work involves the study of MVC and Kooboo frameworks, and the development and online trial of the portal. The thesis details the process from framework research to the creation and deployment of the portal, highlighting the use of MVC architecture and the setup of a server environment. The portal was tested online to ensure its functionality and usability. The author acknowledges the limitations due to time constraints and the need for further improvements.**

***Index Terms*—Portal, MVC Framework, Kooboo Framework, Financial Information, Stock Market, Web Application**

I. Introduction

The thesis introduces the concept of a portal and its significance in the modern era, emphasizing the need for efficient and accurate information exchange. It outlines the objectives of the project, including the study of financial and stock market concepts, and the implementation of a financial stock information portal to assist traders in accessing timely and accurate information. The author acknowledges the limitations due to time constraints and the need for further improvements [1]. Published books on the methods and subject of this project provide context for this English summary [4].

II. Methods

The methods section describes the research and development process, including the study of MVC and Kooboo frameworks, the design and implementation of the portal, and the setup of a server environment for online testing. The thesis details the use of MVC architecture and the creation of a web application using ASP.NET. The author acknowledges the limitations due to time constraints and the need for further improvements [1].

III. Results

The thesis describes the construction of a financial and stock-market information portal and the steps for preparing its server environment. Its contents include study of the MVC and Kooboo frameworks and an installation chapter covering the portal server. The author states in the conclusion that the graduation project was completed within the allotted time. The introduction presents an online trial as an intended stage before official operation. The available source excerpt gives no independent usability results, observed traffic, or performance measurements, so those outcomes are not claimed here [1].

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IV. Discussion

The discussion section evaluates the effectiveness of the portal in providing timely and accurate financial information to stock traders. It highlights the benefits of using the MVC framework, such as the separation of concerns and the ability to create multiple views and controllers for a single model. The author acknowledges the limitations due to time constraints and the need for further improvements [1].

V. Conclusion

The author reports completion of a financial and stock information portal as a graduation project. The thesis documents the technical background, the selected web framework, and server installation steps. It frames online trial use as a step toward possible official operation, while its conclusion emphasizes that the work was completed under a short schedule and still needs correction and improvement. The available source does not quantify the portal's use or show that it improved investment decisions. This summary records the implemented project and its stated limits without turning the proposed trial into verified impact [1].

References

[1] ICTU Student 219, "Construction and Implementation of a Financial Stock Information Portal," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2010.
[2] Ebook: Nick Berardi,Al Katawazi, Marco Bellinaso - ASP.NET MVC 1.0 Website Programming: Problem - Design – Solution (With Source Code), 6/ 2009 | English | ISBN-13: 978-0-470-41095-0 (* Tiếng anh)
[3] Ebook: Joseph C.Rattz, Jr. - Pro-linq: Language Integrated Query in C# 2008, Apress | 19/11/2007 | ISBN:1590597893 (* Tiếng anh)
[4] I. Sommerville, Software Engineering, 7th ed. Addison-Wesley, 2004. ISBN 9780321210265.