Development of an Application for One-Stop Service for Students at the University of Economics and Business Administration, Thai Nguyen University

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***Abstract*—This thesis presents the development of an application for a one-stop service for students at the University of Economics and Business Administration, Thai Nguyen University. The author, Dang Van Duy, designed and implemented the application using FlutterFlow and Dart, focusing on streamlining administrative procedures for students. The project aimed to improve the efficiency of services for students and reduce administrative burdens. The application includes key functionalities such as administrative procedures for students, searching for procedures, and student inquiries. However, due to limited time and limited reference materials, the project was not fully completed. The author plans to complete all functionalities by July 2024 and optimize the application with additional features. The application will undergo testing to be deployed as soon as possible.**

***Index Terms*—FlutterFlow, Dart, UML, system analysis, database design**

I. Introduction

The thesis aims to develop a one-stop service application for students at the University of Economics and Business Administration, Thai Nguyen University. The author, Dang Van Duy, conducted a survey of the current state of the system and gathered requirements from relevant parties. The project utilized FlutterFlow and Dart for development, focusing on enhancing administrative procedures for students. The application is intended to improve the efficiency of services for students and reduce administrative burdens. However, the project faced challenges due to limited time and limited knowledge of frameworks. The author plans to complete all functionalities by July 2024 and optimize the application with additional features [1]. Earlier ICTU student work on related designs is included here for context [3], [4], [5], [6]. Related published studies provide context for the subject and methods [7], [8], [9], [10]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

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II. Methods

The author used FlutterFlow and Dart for the development of the application. The project involved analyzing and designing the system using UML diagrams, managing software requirements, and designing the database. The author also conducted a survey of the current state of the system and gathered requirements from relevant parties. The application includes key functionalities such as administrative procedures for students, searching for procedures, and student inquiries. However, due to limited time and limited reference materials, the project was not fully completed. The author plans to complete all functionalities by July 2024 and optimize the application with additional features [1].

III. Results

The application was developed with key functionalities including administrative procedures for students, searching for procedures, and student inquiries. However, due to limited time and limited reference materials, the project was not fully completed. The application was designed to streamline administrative procedures for students, allowing them to access and manage various services more efficiently. The author plans to complete all functionalities by July 2024 and optimize the application with additional features. The application will undergo testing to be deployed as soon as possible [1].

IV. Discussion

The project faced challenges due to limited time and limited knowledge of frameworks. The author plans to complete all functionalities by July 2024 and optimize the application with additional features. The application will undergo testing to be deployed as soon as possible. The author acknowledges the limitations of the project and the need for further development. The application is expected to improve the efficiency of administrative procedures for students and reduce their administrative burdens. However, the project was not fully completed due to time constraints and limited reference materials [1].

V. Conclusion

The thesis analyses and implements core functions of a student one-stop-service application for the University of Economics and Business Administration, Thai Nguyen University. The source describes student administrative procedures, procedure search, and an inquiry function. It also states that some functions remained incomplete and that testing and deployment were future steps. There is no measured evidence in the manuscript that the application reduced administrative workload or improved service efficiency. Its demonstrated result is a student software implementation with a documented plan for completion [1].

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