Abstract

Objectives

The main objective of this thesis is to build a system to help the operation of Bina Nusantara University - International Undergraduate Program, especially during the semester preparation. In the end, the system will be integrated with the current system to reduce the number of processes done manually so far.
Method

Since the whole system is big enough, therefore, during its development, the system is built by two groups working together. As one of the developer groups, our team focuses on the functionality of the system. This includes the database design and creation, business logic coding, etc. Meanwhile, the other group focuses on the user interface of the system.

We use UML to design our system since it is one of the most commonly used standards for design phase. After all, it was all we have learnt so far that it is the right time for us to start implementing it.

During the system development, we use Agile methodology. This is because we consider that the user requirements for the system are vulnerable for frequent changes. By using the methodology, it is easier for us to accommodate sudden changes in the user requirements since the system is divided into small modules. Hence, any changes to a module do not affect other modules. All of this is done in .Net framework environment.

User Testing Result

The testing we have done to the system users has shown us that almost all of the system users were satisfied with the system. They agreed that the system provides a good support for their job. However, there are several parts that need to be improved and fixed. The system is required to put several more functions and information. Some bug fixings also need to be done.
Conclusion

We believe that the system will be able to help the users in doing their job. This is because the system is able to provide the users with the information they need fast and effectively. The users do not have to go around seeking for the information they need. We believe that the system will be able to replace how things are done currently.

Key Words

BOSS, UML, Agile methodology, .Net framework, Semester Preparation.
PREFACE

“The best way to predict the future is to invent it” - Alan Kay

This thesis is presented as an academic project based paper which is a requirement for obtaining the Sarjana degree at Computer Science Program, Education Level Strata-1. There are a lot of parties that have given their contribution to this thesis so that it could be finished well and in timely manner.

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We are really aware of the imperfection of this thesis. Therefore, we are very sorry for any mistakes occur in this thesis. Any critics and comments would be gratefully welcomed. Hopefully, this thesis will give any benefit to those who read it.

Jakarta, 29th June, 2002

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