

**DEVELOPMENT OF NEW PRODUCT'S TRANSACTION IN  
UNIT TRUST SYSTEM (UTS)  
FOR PERMODALAN NASIONAL BERHAD (PNB)**

**MOJTABA KHEZRIAN**

**UNIVERSITI TEKNOLOGI MALAYSIA**

DEVELOPMENT OF NEW PRODUCT'S TRANSACTION IN  
UNIT TRUST SYSTEM (UTS)  
FOR PERMODALAN NASIONAL BERHAD (PNB)

MOJTABA KHEZRIAN

A thesis submitted in fulfilment of the  
Requirements for the award of the degree of  
Masters of Computer Science (Real Time Software Engineering)

Centre for Advanced Software Engineering (CASE)  
Faculty of Computer Science and Information System  
Universiti Teknologi Malaysia

MARCH 2009

*To my beloved parents*

## **ACKNOWLEDGEMENT**

In the name of Allah The Most Gracious The Most Merciful, Praise be to Allah who created us and gave us intelligence and guidance. And peace be upon our prophet the teacher of all mankind and peace be upon his family.

First of all, I would like to thank and convey my sincere appreciation to my Academic Mentor DR. Suhaimi Ibrahim, and Industrial Mentor Mdm. Sakinah Mahmud for encouragement, guidance and support.

I am also thankful to HeiTech Padu for providing me all the requirements and needs as a practical student. I would like to give especial thanks and appreciation to HeiTech Padu staff especially developers in particular.

I am also thankful to my parent who supported me in all levels of my study and my wife for being patient and encouragement in during doing this thesis.

## **ABSTRACT**

Nowadays Permodalan Nasional Berhad (PNB) is the biggest fund manager in Malaysia by introducing some product for investing. One of the PNB strategies for remaining the best is announcing new product to society, the newest unit that will be offered is Amanah Saham XX which is called ASXX and its would be a fixed price unit. PNB for selling its product uses some agents such as banks that one of them is CIMB Bank. By entering every new product, the previous system of CIMB has to enhance and new product's requirement add to the system. Generally the management system is included three major part, that are: Front End, Server and Host that three groups of people work on each of them. The most important activity of the system is transaction that is one of the Front End activities. In transaction all new information are inserted to the system, then system translate them to data and send them to server for saving. Also most of interfaces that exist in the system are related to transaction, so for new product it needs to create new interfaces for system. The methodology that is used during this project is Advise methodology and the focus of project is on elaboration and construction phases. Because of the system design doesn't change, the only deliverable that needs to complete, is System Design Description (SDD) and new detail of the system should add to it.

## **ABSTRAK**

Dewasa ini, Permodalan Nasional Berhad (PNB) adalah pengurus dana terbesar di Malaysia dengan memperkenalkan produk untuk pelaburan. Salah satu daripada strategi-strategi PNB untuk kekal terbaik adalah dengan mengumumkan produk baru untuk masyarakat, unit terbaru yang akan ditawarkan adalah Amanah Saham XX yang adalah dipanggil ASXX dan akan menjadi satu unit harga tetap. Untuk menjual produk ini, PNB menggunakan beberapa ejen seperti bank-bank dan salah satu daripadanya adalah CIMB Bank. Dengan memperkenalkan setiap produk baru, CIMB perlu meningkatkan keperluan produk baru yang perlu ditambah terhadap sistem tersebut. Umumnya sistem pengurusan terbahagi kepada tiga peranan utama, yang adalah: Front End, Server dan Host serta memerlukan tiga kumpulan pekerja untuk setiap kumpulan. Aktiviti terpenting dalam sistem itu adalah transaksi yang terdiri daripada aktiviti-aktiviti Front End. Dalam transaksi kesemua maklumat baru dimasukkan kepada sistem itu, sistem kemudian menterjemahkan mereka kepada data dan menghantar mereka kepada server untuk disimpan. Juga kebanyakan daripada antara muka yang wujud dalam sistem itu adalah berkaitan dengan transaksi, jadi untuk produk baru ia perlu untuk mewujudkan antara muka yang baru untuk system tersebut. Metodologi yang digunakan sepanjang projek adalah metodologi Advise dan tumpuan projek lebih kepada fasa-fasa elaboration dan construction. Oleh sebab reka bentuk sistem tidak berubah, satu-satunya dokumen yang perlu dikemaskini adalah System Design Description (SDD) dan perincian baru bagi sistem tersebut perlu dilengkapkan dalam dokumen ini.