

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

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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.

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LIST OF ABBREVIATIONS

ASNB	Amanah Saham Nasional Berhad
PNB	Permodalan Nasional Berhad
CIMB	Commerce International Merchant Bankers
ASB	Amanah Saham Bumiputera
ASN	Amanah Saham Nasional
ASW	Amanah Saham Wawasan
ASN2	Amanah Saham Nasional 2
ASM	Amanah Saham Malaysia
ASD	Amanah Saham Didik
ASN3	Amanah Saham Nasional 3
ASG Didik	Amanah Saham Gemilang – Didik
ASG Sihat	Amanah Saham Gemilang – Sihat
ASG Sara	Amanah Saham Gemilang – Sara
ASXX	Amanah Saham XX
UTS	Unit Trust System
CMMI	Capability Maturity Model Integration
ADVISE	Application Development Information System
PROMISE	PROJECT Management Information System
SRS	Software Requirement Specification
SDD	Software Design Description
UML	Unified Modeling Language
RUP	Rational Unified Process
TSD	Technical System Design
CSD	Conceptual system Design
LU	Logical Unit
TDF	Transaction Definition File
LDC	Logical Device Customization

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CHAPTER 1

INTRODUCTION

This chapter is an overview of report for five month that author spend in industry for attachment, this is contained of background of companies that projects is related to them, background of project, project scope and objectives and its deliverables at the end.

1.1. Background of Companies

1.1.1. HeiTech Padu Background

For more than a decade, HeiTech has been transforming businesses and organizations by providing comprehensive integrated Information and Communications Technology (ICT) services in Malaysia.

As one of the leading ICT service providers, HeiTech has managed to successfully deliver mission critical ICT projects for both the public and private sectors.

HeiTech, from its humble beginning has been the agent of change for both the public and private sectors. HeiTech has been pivotal in helping Government agencies such as the Jabatan Pendaftaran Negara halve its service turnaround time and has also helped them establish a central information repository for information on birth, marriage, adoption and death of citizens and permanent residents.

It has also been an excellent business partner for the Jabatan Pengangkutan Jalan and other Government agencies. It has helped improve turnaround time for transactions in these organizations, as well as facilitate seamless inter-department collaboration through on-line sharing of critical information. Through its complete systems integrator and development services, as well as its total custom software applications, it is confident of streamlining any public sector department or agency.

HeiTech offers a complete end-to-end customized developed solution for ever more dynamic business environment. Through a combination of its proven systems integration capabilities and its long history of application development and maintenance, it is able to leverage on existing and planned ICT investments to deliver the maximum measurable returns possible.

HeiTech focuses on understanding the business needs. This includes additional areas of concern like change management and risk management. It creates application systems, integrates systems of different platforms and develops a strategy for the data migration to meet the unique business needs.



Figure 1.1 HeiTech Padu Berhad

1.1.2. PNB Background

Incorporated on March 17, 1978, PNB was conceived as a pivotal instrument of the Government's New Economic Policy to promote share ownership in the corporate sector among the Bumiputera, and develop opportunities for suitable Bumiputera professionals to participate in the creation and management of wealth.

Prior to the establishment of PNB, efforts to increase Bumiputera ownership in the corporate sector were not sufficient as shares allocated to individuals were seldom retained. Research indicated that when Bumiputera shareholders sold their shares, the profits generated were consumed and not reinvested.

Through PNB, substantial shares acquired in major Malaysian corporations from funds provided by Yayasan Pelaburan Bumiputera or Bumiputera Investment Foundation were transferred to a trust fund and sold to the Bumiputera in the form of smaller units.

By employing this innovative investment model, PNB ensures that these shares are retained, resulting in the cultivation of widespread savings habits, and development of entrepreneurship and investment skills of Bumiputera.

With a total fund managed of more than RM49 billion , the PNB Group is the country's leading investment institution with a diversified portfolio of interests that include unit trusts, institution property trust, property management and asset management

AMANAH SAHAM NASIONAL BERHAD (ASNB), is the Management Company of ASN, ASN 2, ASN 3, ASG Pendidikan, ASG-Kesihatan, ASG-Persaraan, ASB, ASW 2020, ASM and ASD, a wholly-owned subsidiary company of Permodalan Nasional Berhad (PNB).

ASNB was established on May 22, 1979, to manage the unit trust funds launched by PNB. Having been in the industry for more than 25 years, ASNB has confirms to maintain its position as a leading unit trust manager, controlling more than 40% of the total units in circulation.



Figure 1.2 Permodalan Nasional Berhad

1.1.2.1. Company Vision

PNB vision is: We will be a world class investment organization, distinctive and successful in everything we do.

1.1.2.2. Company Mission

The PNB has a mission that is: We are a premier investment organization committed to enhance the economic wealth of the Bumiputera community in particular and contribute towards the growth and prosperity of the nation for the benefit of Malaysians.

1.2. Project Background

PNB is currently the biggest Fund Manager in Malaysia. To date more than 11 million unit holders have invested with PNB's product and services with a total fund managed of more than 19.6 billion (as September 2008). There are total 8 funds (product) overall.

Their product includes Amanah Saham Nasional (ASN), Amanah Saham Nasional 2 (ASN2), Amanah Saham Bumiputera (ASB), Amanah Saham Wawasan

2020 (ASW20202), Amanah Saham Malaysia (ASM), Amanah Saham Didik(ASD) and Amanah Saham Gemilang(ASG).

As part of PBNs strategy to remain as the biggest Fund Manager in Malaysia, PNB intends to announce a new unit trust scheme in 4th quarter 2008. It is believe that the new unit trust will carry the same features as the Amanah Saham Malaysia(ASM) and will be offered to all Bumiputera and Non_Bumiputera citizen of Malaysia. A total fund of 1000 million units will be reserved / offered during launching of the new scheme. The fund is segregated into four group which are for Bumiputera 30%, Chinese 30%, Indian 30%, other Non Bumiputera 10%. This new scheme is eligible for Malaysian Citizen from age 6 month and above. The system development for this new scheme will be involving the CIMB Front Counter, CIMB Branches and Agents.

The new products name is AMANAH SAHAM XX, and we will call it ASXX.

1.3. Objectives of Project

The development and implementation of scheme will see some modification and enhancement to the Unit Trust System (UTS) new functionalities will be added to the UTS to facilitate the new scheme. Amongst them are modifications to the Front End System

- To create new program to manage transactions.
- To manage the main menu for new product.
- To create Transaction control file.
- To enhance Menu control file.
- To implement new interfaces for new scheme
- To add the ability of printing the transactions.
- To add limitations for new product to system

- To update Field id control file.
- To manage data that is related to new product.

1.4. Scope of Project

For the implementation of new scheme, the following scope of work will be covered:

- Manage the entire implementation activities from requirement assessment until sign off.
- Requirement walkthrough, assessment and verification.
- Development of the new scheme components and functionalities.
- Correct errors that define by tester group.

1.5. Project Deliverable

Deliverable that expected in the end of this project is?

- Software Design Document (SDD)

1.6. Project Plan

Project plan for this project comes in the Gantt chart in appendix A.

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