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SINARIS BUSINESS MANAGEMENT SYSTEM

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KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA

BORANG PENGESAHAN STATUS TESIS[^]

JUDUL: SINARIS BUSINESS MANAGEMENT SYSTEM

SESI PENGAJIAN: 2005/2006

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[^] Tesis dimaksudkan sebagai Laporan Projek Sarjana Muda (PSM)

SINARIS BUSINESS MANAGEMENT SYSTEM

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This report is submitted in partial fulfillment of the requirements for the
Bachelor of Computer Science (Software Engineering)

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA
2006

DECLARATION

I hereby declare that this project report entitled

SINARIS BUSINESS MANAGEMENT SYSTEM

Is written by me and is my own effort and that no part has been plagiarized without citations.

STUDENTS :  Date: 24/11/2024

(MOHAMAD HADI BIN RAMLI)

SUPERVISOR :  Date: 24/11/2024

(MISS ZURAIDA ABAL ABAS)

DEDICATION

To my beloved parents for helping me in finishing this project, my project supervisor, Miss Zuraida Abal Abas and my friends.

ACKNOWLEDGMENTS

I would like to thank Allah S.W.T Lord Of the Al-'Alamin for giving me the power and ability to complete the task, my family who really understand me, my project supervisor, Miss Zuraida Abal Abas, my love, my sponsor partner. Love you all.

ABSTRAK

Sistem yang bakal dibangunkan untuk Projek Sarjana Muda (PSM) adalah sistem yang berkonsepkan aplikasi web. Secara khusus, sistem tersebut ialah Sistem Rekomendasi/Saranan untuk Syarikat Sinaris di mana sistem rekomendasi/saranan ini adalah suatu sistem di mana ia dapat menilai dan memberikan keputusan kepada pengguna mengenai nilai produk yang terdapat di dalam simpanan dan bilangan yang dijual.. Projek ini menumpukan kepada aktiviti yang berkaitan dengan penjualan produk yang dikeluarkan oleh syarikat sinaris. Sistem rekomendasi ini apabila diintegrasikan ke dalam sistem jualan syarikat Sinaris ini akan dapat menjimatkan masa pengguna dari memantau produk yang terdapat di dalam simpanan secara manual

ABSTRACT

System that will be developed for Projek Sarjana Muda (PSM) is a system that use the web application. To be specific, the system is entitled Recommendation System for Sinaris company in which the recommendation system is a system where it can suggest to a customer about the balance and sold product. B2C describes activities of commercial organizations serving the end consumer with products and/or services and this project focuses on Sinaris product. This recommendation system once integrated into the portal will make the task of managing the stock become more flexible.

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CHAPTER I

INTRODUCTION

1.1 Project Background

Sinaris Enterprise Sdn Bhd was founded in 1998. This company business is more to health care products. All the health care product approved by Kementerian Kesihatan Malaysia.

For their stockiest and mobile stockiest, the record and calculation for selling item done manually. There are no systems that help this task. To improve the quality of operation and efficiency, new system should be build to manage large operation scale. All the task such as payment, billing, confirmation payment and check item stock done manually. This task will be more difficult if the transaction contribute a lot of item.

The current situation show that all the stockiest and mobile stockiest or members just manage their selling manually. When this system is complete, the seller capable to manage their stock, track their selling record, can view the profit and manage their referral network

1.2 Problem Statements

1. Manually payment management record.

Nowadays, stockiest and mobile stockiest use a manual calculation for each payment transaction. There are no specific systems to help them in case to improve their efforts. With this system, all the calculation and store record will be done automatically.

2. Keep track referral and product record.

Stockiest and mobile stockiest keep track all the referral network and product record manually. With this current technique, this task will be difficult and take more time. To avoid this from happen. This system will be help the user to search their record faster and easy.

3. Manage stock.

Stockiest and mobile stockiest manage their stock manually. If they have a large stock of product, they need an effective system to help them to manage all the stuff. This system will keep track all the product.

4. Manage referral network.

If the stockiest or mobile stockiest have too many down line members, they need to keep track their members efficiency. In current situation, they just track their members manually.

5. Difficult to target for the perfect business profit.

Stockiest and mobile stockiest just calculate randomly to target their business profit. They did not have a specific system to show them their business profit planning.

1.3 Objectives

1. For easy payment process. When this stockiest or mobile stockiest receive their payment, they no need to write the whole fill in the form. They just enter the agent ID and system will keep track their record. They just enter the quantity of product and the system will calculate automatically for the amount.
2. Help stockiest or mobile stockiest to search their referral and product record easily. This system will help user to keep track their down line members. Stockiest or mobile stockiest can view their down line members and their details.
3. Build a medium for stockiest and mobile stockiest to save their product record. Using this system allow them to keep all the record in one system.
4. Help stockiest and mobile stockiest to keep track their referral network. Besides, they can add and edit their referral network.
5. This system will produce an overall report for user. Mobile stockiest and stockiest capable to plan their short or long term profit.

1.4 Scopes

This is scope for the system.

Users.

This system is for Sinaris stockiest and mobile stockiest only.

Modules.

1. Register.
Users need to register their profile before use this system.
2. Update profile.
After register, user need capable to edit their profile.
3. Delete account.
If user wants to cancel their account, they can delete their account.
This function will terminate their account.
4. Check referral network.
User capable to keep track their down line members record and details.
5. Payment.
User just enters the quantity and system will calculate the price automatically.
6. Insert product details.
User inserts their product details. This function allow user to add the new product in this system.
7. Business report.
User capable to view the overall business progress and can manage what task should be done to improve their business profit.

1.5 Project Significance

This project is important to stockiest and mobile stockiest. Using this system allow stockiest and mobile stockiest to improve their business. Beside, this system will show that the stockiest and mobile stockiest have a well managed business.

This system also help the stockiest and mobile stockiest to manage their business digitally rather than manually. To give a better service for customer, stockiest and mobile stockiest need to give a fast, reliable and effective service. To give such a service, there need to have a computerize system and that is why this system should be build to help them.

1.6 Conclusion

This chapter discuss about the introduction of this project, which gave the idea of this project briefly. For this project, the system is providing Sinaris Business Management System (SBMS). The objective of this project has stated to solve all the problems and giving a new way of computerize environment business.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

The literature review and project methodology is a chapter that describes the analysis and findings on case study or passed research that relates with this project. This chapter will help to find the suitable method to develop this project.

2.2 Fact and Finding

2.2.1 Existing Systems

There are no current web based system used by Sinaris Stockiest and Mobile Stockiest

2.2.2 Findings

About multi level marketing

This system is about multilevel marketing. The definition about multilevel is:

“MLM. A sales system under which the salesperson receives a commission on his or her own sales and a smaller commission on the sales from each person he or she convinces to become a salesperson.”

Resource:

http://www.investorwords.com/3154/Multi_Level_Marketing.html

“In a typical multi-level marketing or network marketing arrangement, individuals associate with a parent company as an independent contractor and are compensated based on their sales of products or service (as well as the sales achieved by those they bring into the business). “

Resources:

<http://www.answers.com/multi%20level%20marketing>

About direct selling marketing

Direct selling was a process whereby the producer sells to the user, ultimate consumer or retailer without intervening middlemen such as wholesalers, retailers, or brokers. Direct selling offers many advantages to the customer, including lower prices and shopping from home. Potential disadvantages include the lack of after-sales service, an inability to inspect products prior to purchase, lack of specialist advice, and difficulties in returning or exchanging goods. Direct Selling, or Direct Marketing as it is sometimes called, simply means grass roots, face-to-face distribution of products. It's used often to refer to door-to-door selling.

This business also called a businesses that sell a company's goods or services, usually paying a fee and/or a percentage of sales to the franchiser for receiving financial help, training, supplies. MLM. A sales system under which the salesperson receives a commission on his or her own sales and a smaller commission on the sales from each person he or she convinces to become a salesperson. Multilevel Marketing, or MLM, is a system for selling goods or services through a network of distributors. The typical Multilevel Marketing program works through recruitment. People are invited to become a distributor, sometimes through another distributor of the Multilevel Marketing company's products and sometimes through a generally advertised meeting.

If candidate choose to become a distributor with the Multilevel Marketing company, they will earn money both through the sales of the MLM's products and through recruiting other distributors, by receiving a portion of the income these distributors generate. The distributors that you sign up with your Multilevel Marketing plan are called members downline. The distributor that originally recruited you is called your upline. Often he or she will give you some help getting started, including training.

2.2.3 About the solutions to be developed

The best way to make business easier to manage is to build a computerize system for the business. Working with a computerize system will give the advantage because this system knows what business need and can operate faster than human.

Basic process such as calculate the payment, store product record, planning short and long term profit will become more faster and easier using the computerize system. If all this become more faster and easier, system user will motivated to improve their business.

2.3 Project Requirements

2.3.1 Software Requirements

The software requirements can be divided into two categories, which is system development and documentation.

1. System Development Tools

Software

1. Microsoft Windows XP – Operating systems
2. MySQL – Database
3. Apache – Web Server
4. Internet Explorer 4.0 – Browser
5. Adobe Photoshop CS – Interface design
6. Macromedia Dreamweaver MX 2004 – Development

2. Documentation

Software Requirements for Documentation

1. Microsoft Word XP – Documentation
2. Microsoft Project – Project Planning and Scheduling
3. Microsoft Power Point – Presentation
4. Rational Rose Enterprise – Modeling

2.3.2 Hardware Requirements

1. Operating Systems – Windows XP
2. 40 GB Hard Disk
3. Processor – Intel Pentium
4. RAM – 256 MB

2.4 Project Methodology

Project methodology

System design methods are a discipline within the software development industry which seek to provide a framework for activity and the capture, storage, transformation and dissemination of information so as to enable the economic development of computer systems that are fit for purpose.

SSADM is a waterfall method by which an IS design can be arrived at; SSADM can be thought to represent a pinnacle of the rigorous document-led approach to system design, and contrasts with more contemporary Rapid Application Development methods such as DSDM.

The SSADM method involves the application of a sequence of analysis, documentation and design tasks concerned with:

- Analysis of the current system

Also known as: feasibility stage. Analyze the current situation at a high level. A DFD (Data Flow Diagram) is used to describe how the current system works and to visualize known problems.

The following steps are part of this stage:

- Develop a Business Activity Model. A model of the business activity is built. Business events and business rules would also be investigated as an input to the specification of the new automated system.
 - Investigate and define requirements. The objective of this step is to identify the problems associated with the current environment that are to be resolved by the new system. It also aims to identify the additional services to be provided by the new system and users of the new system.
 - Investigate current processing. It investigates the information flow associated with the services currently provided, and describes them in the form of Data Flow Model. At this point, the Data Flow Model represents the current services with all their deficiencies. No attempt is made to incorporate required improvement, or new facilities.
 - Investigate current data. This step is to identify and describe the structure of the system data, independently of the way the data are currently held and organized. It produces a model of data that supports the current services.
 - Derive logical view of current services. The objective of this step is to develop a logical view of the current system that can be used to understand problems with the current system.
- Outline business specification

Also known as: requirements analysis stage. This stage consists of 2 parts. The first part is researching the existing environment. In this part, system

requirements are identified and the current business environment is modelled. Modelling consists of creating a DFD and LDS (Logical Data Structure) for processes and data structures that are part of the system. In the second part, BSO (Business Systems Options), 6 business options are presented. One of the options is selected and built.

The following steps are part of this stage:

- Define BSOs. This step is concerned with identifying a number of possible system solutions that meet the defined requirements from which the users can select.
 - Select BSO. This step is concerned with the presentation of the BSOs to users and the selection of the preferred option. The selected option defines the boundary of the system to be developed in the subsequent stages.
- Detailed business specification

Also known as: requirements specification stage. To assist the management to make a sound choice, a number of business system options, each describing the scope and functionalities provided by a particular development/implementation approach, are prepared and presented to them. These options may be supported by technical documentation such as Work Practice Model, LDM (Logical Data Model) and DFD. They also require financial and risk assessments to be prepared, and need to be supported by outline implementation descriptions.

The following steps are part of this stage:

- Define required system processing. This step is to amend the requirements to reflect the selected Business System Option, to describe the required system in terms of system data flows and to define the user roles within the new system.
- Develop required data model. This step is undertaken in parallel with the above step. The LDM of the current environment is extended to support all the processing in the selected business system option.