FURNITURE SHOP MANAGEMENT SYSTEM

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A thesis submitted in fulfillment of the

requirements for the award of the degree of

Bachelor of Computer Science (Software Engineering)

Faculty of Computer Systems & Software Engineering

May 2011

PERPUSTAKAAN
UNIVERSITI MALAYSIA PAHANG

No. Perolehan
068647

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ABSTRACT

This thesis in title "Furniture Shop Management System" which is a shop management system to manage furniture shop business and it is implemented with inventory management. There are 4 main modules in this system, which are profile management, inventory management, sales management and financial management. The problem statements of this thesis are the current management system does not have well inventory management. There does not have the facilities to handle the receipts and issues of stock. The second problem is this current management system is manually system which records the information of staff and supplier, stock record, and sales report in paperwork. There are two (2) objectives of this thesis, which are to develop a systematic inventory management of Furniture Shop Management System (FSMS) and to provide a good storage stock and retrieve data information in this furniture shop management system. This thesis is discussed on how this furniture shop management system to be implemented, the tools and programming languages used, and the resources needed in developing this system. Prototyping is used to develop this project. There are 8 phases which are initial requirements, design, prototyping, customer evaluation, review and update, development, test and maintain. The strength of FSMS is implemented with the well inventory management to manipulate the inventory of the shop. The status stock level will be notified to the user automatically. This thesis had been successfully completed and the system is successfully developed and function able.

ABSTRAK

Tesis ini bertajuk "Furniture Shop Management System", ia ialah satu sistem pengurusan untuk mengurus perniagaan bagi kedai perabot dan juga terdapat pengurusan barangan. Sistem ini terdapat 4 modul yang besar iaitu pengurusan kaki tangan dan pembekal, pengurusan inventori, pengurusan bayaran dan pengurusan kewangan. Masalah yang telah dicatatkan dalam tesis ini ialah kedai kini tidak mempunyai pengurusan inventori yang baik. Kedai itu juga tidak mempunyai kemudahan untuk menangani masalah-masalah penerimaan dan pengurusan stok. Di samping itu, masalah yang dihadapi adalah sistem pengurusan kini adalah sistem manual yang merekodkan maklumat kakitangan dan pembekal, mencatat stok, dan laporan jualan dalam dokumen. Terdapat 2 objektif bagi tesis ini, iaitu untuk menjadikan pegurusan inventori lebih sistematik dan menyediakan simpanan stock dan mengambil data dengan baik. Tesis ini membincangkan tentang bagaimana "furniture shop management system" ini dilaksanakan, peralatan-peralatan dan bahasa program yang digunakan, dan sumber-sumber yang diperlukan dalam membina sistem ini. Prototyping Model ialah modal yang telah digunakan untuk membina projek ini. Terdapat tujuh 8 fasal dimana ialah mendapatkan keperluan sistem, merancangkan sistem, prototyping, penilaian pelanggan, ulasan, update, pembangunan sistem, mencuba sistem and pemeliharaan sistem. Kelebihan sistem ini ialah ia terdapat satu daftar barang yang sumpurna untuk mengurus barangan-barangan dalam kedai.Bilangan barang yang sedikit akan diberitahu secara automatic kepada pengguna sistem ini. Tesis ini telah berjaya disiapkan dan sistem juga berjaya disiapkan dan boleh digunakan.

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CHAPTER 1

INTRODUCTION

In this chapter, a brief introduction of Furniture Shop Management System (FSMS) will be presented, followed by the problem statement, objective and scope of the project.

1.1 System Overview

Business is a legally recognized organization designed to provide goods, services or tertiary business [1]. The importance of business in our economy is that allow specialization of labor. Therefore, such is the reason furniture management system for furniture business is developed. It will be implemented in furniture shop. This system name is Furniture Shop Management System (FSMS). This system is developed for the purpose of making management more secure, systematic and efficient. FSMS consist of 4 modules which are profile management, inventory

management, sales management and financial management. The function of this 4 modules are described in the Table 1.1

Table 1.1: Modules and Its Function

Module	Function
Profile Management	• The staffs will login to the system and store staff and supplier information securely.
Inventory Management	• Manage the status information of products which can edit the product information. • View product. • Message of product notification will pop up. • Purchase order can be made to order product.
Sales Management	• Cashier • Handle receipt. • Manage sales profit. • Delivery Services can be made and the staff will record all the delivery information.
Financial Management	• Manage the financial of the shop. • Sales Report • Vendor bill report.

1.2 *Problem Statement*

There are problems faced by Kedai Perabot Ban Huat where located at 51, Jln Besar, 71400 Pedas, Negeri Sembilan. The problems shown are:

i. This shop does not have well inventory management. There does not have the facilities to handle the receipts and issues of stock.
ii. The current management system is manually system which records the information of staff and supplier, stock record, and sales report in paperwork.

1.3 Objectives

The objectives of the FSMS are:

i. To develop a systematic inventory management of Furniture Shop Management System (FSMS).
ii. To provide a good storage stock and retrieve data information in this furniture shop management system.

1.4 Scope

The scope of Furniture Shop Management System (FSMS) consists:

i. Developed for furniture shop.
ii. The target user of this system is furniture shop's staff.

iii. This system is a standalone system.

iv. Vb.net and Microsoft SQL server 2005 will be used to develop this system.

CHAPTER 2

LITERATURE REVIEW

A literature review is a process and documentation of the current relevant research literature regarding a particular topic or subject of interest [2]. In this chapter, a research and literature review related to the Furniture Shop Management System (FSMS) is presented.

2.1 Current System

The current management system using now in Kedai Perabot Ban Huat is manually system, mean that overall shop business flow is written in paperwork and it is traditional management system. The important data such as information of supplier, stock record and sales report is written in paperwork. These are space consuming. Since the data and paper is stored in filling cabinets it consumes too much place. Kedai Perabot Ban Huat also does not have a good inventory management module to handle the receipts, transfer, and issues of stock. During the

transaction process, they just only use paper receipt but not print receipt. Besides, the daily sales they record down on a log book, they need to calculate it manually and it is unsystematic and unsecure. Furthermore, there is inconsistency of data in that shop. There will be unavailability for future use, since data might get misplaced during manual filling.

2.1.1 Apparatus

This manual system is using the tools which consists pen, receipt and log book. Log book is use to record daily sales that written in pen. Besides, the receipt of the Kedai Perabot Ban Huat is manually written by using pen. The outlook of the receipt they using now is shown at **Appendix A.**

2.2 Analysis of Existing System

The existing system that had been analyzed which is an inventory management system. By analysis of this inventory management system, I may get some idea about design and features needs to develop my system - Furniture Shop Management System.

2.2.1 *Silver Inventory System* [3]

Silver Inventory System is a software application which created by Quartex, inventory Software for business. Silver Inventory System is a standalone inventory management system for management of sales, purchases and payment. This system will help you in creation invoices, sale orders, purchase orders, receiving lists, payment receipts and any kinds of the reports for monitoring your business.

2.2.1.1 Overview Existing System Flow

An overview on how to use Silver Inventory System and some introduce on the component inside this system. I have understood on the existing system flow and also the function that involved in this application. It help me a lot to get some of their idea when I going to implement FSMS. Besides, I also can get some idea on their design as well. The user interface (overview) is shown below.

The User Interface (Overview)

Main menu for Silver Inventory System

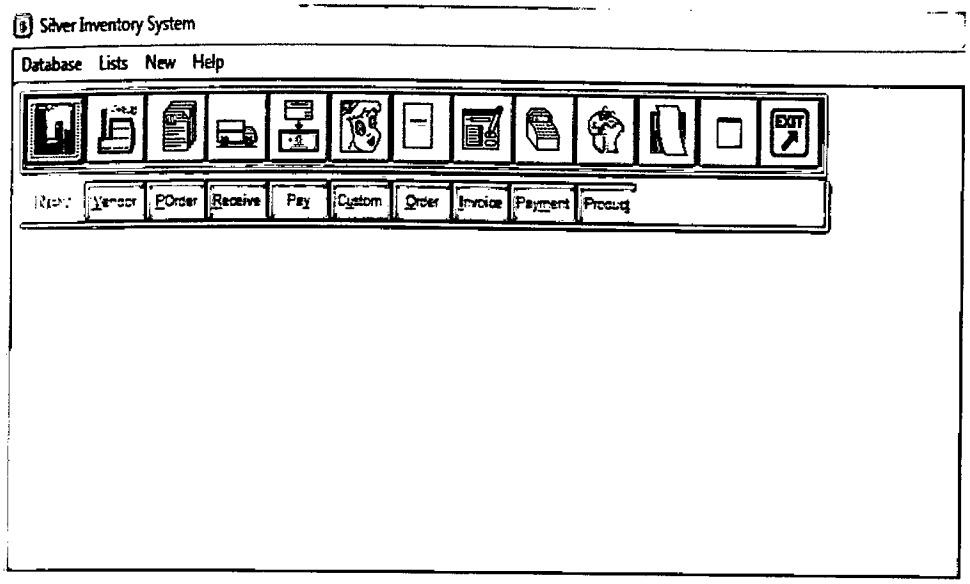

Figure 2.1: Main Menu

Vendor List

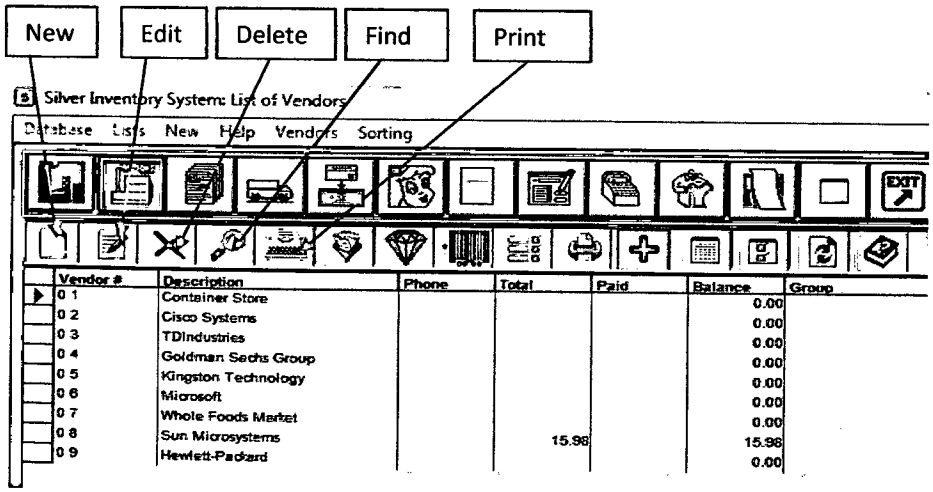

Figure 2.2: Vendor List Page

The Vendors List Form allows to manage creating, editing, deleting, finding of vendors. You can also print a vendor list.

Functions:

i. New Vendor

If you want to add a new vendor, click on the link button "New" and fill the appeared Vendor form.

ii. Edit

If you want to edit a vendor features, click on the button "Edit" (or Vendor Menu item "Edit") and edit the required fields in the appeared Vendor form.

iii. Delete

To delete a vendor click on the button "Delete" (or Vendor Menu item "Delete") and confirm the user request to delete.

iv. Find

If you want to find a vendor by description enter what they want to find and click on the button "Find" (or Vendor Menu item "Find").

v. Print List

To print the vendors list click on the button "Print List" (or View Menu item "Print List)

New Vendor

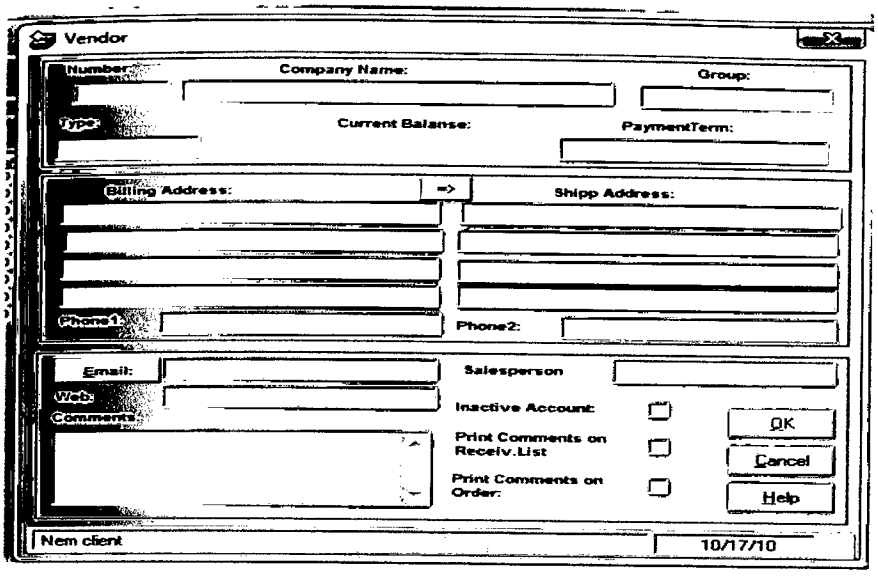

Figure 2.3: New Vendor Page

Receiving

Item Receipt List

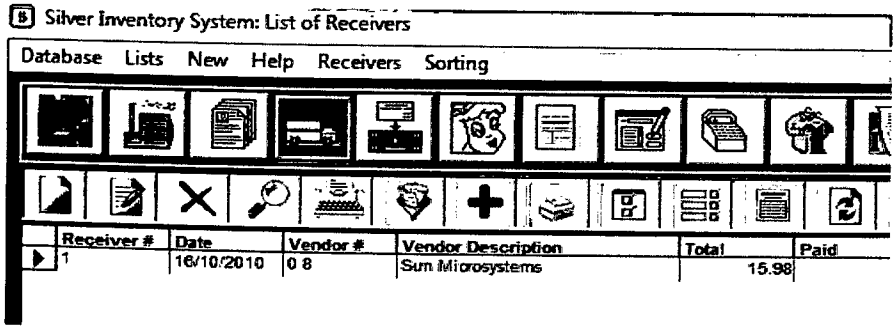

Figure 2.4: Item Receipt List Page

The Item Receipt Form allows to manage creating, editing, deleting, and finding receivers.

Functions:

i. New Receiving

If you want to add a new Item Receipt, click on the button "New (or Receivers Menu item "New") and the appeared Item Receipt form.

ii. Edit

If you want to edit an Item Receipt features, click on the button "Edit" (or Receivers Menu item "Edit") and edit fields in the appeared Receiver form.

iii. Delete

If you want to delete an Item Receipt, click on the button "Delete" (or Receivers Menu item "Delete").

iv. Find

If you want to find an Item Receipt by number enters number enter what you want to find and click on the button "Find" (or Receivers Menu item "Find").

vi. Print List

To print the Item receipt click on the button "Print List" (or View Menu item "Print List).

New Item Receipt

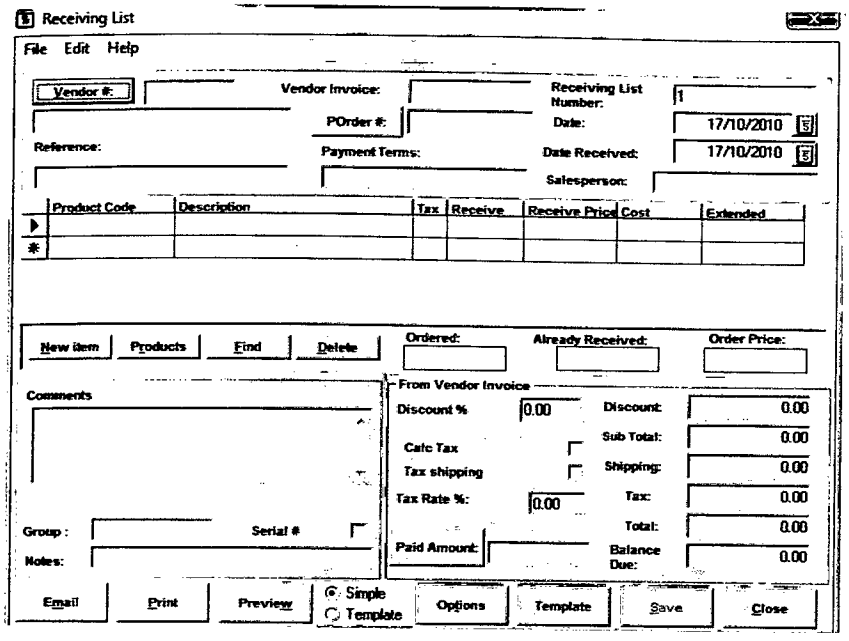

Figure 2.5: New Item Receipt Page

Purchase Order List

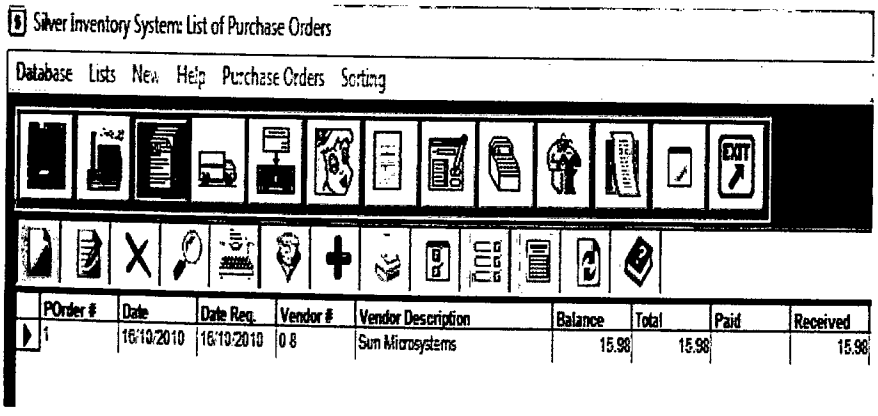

Figure 2.6: Purchase Order List Page

The Purchase Orders List form allows to manage creating, editing, deleting, finding of purchase orders.

Functions:

i. New POrder

If you want to add a new purchase order, click on the button "New POrder" and fill the appeared purchase order form.

ii. Edit

If you want to edit a purchase order features, click on the (or Purchase Order Menu item "Edit") and edit fields in the appeared Purchase Order Form.

iii. Delete

If you want to delete a purchase order, click on the button "Delete" (or Purchase Order Menu item "Delete").

iv. Find

If you want to find a purchase order by number enter what you want to find and click on the button "Find" (or Purchase Order Menu item "Find").

v. Print List

To print the Item receipt click on the button "Print List" (or View Menu item "Print List).

New Purchase Order

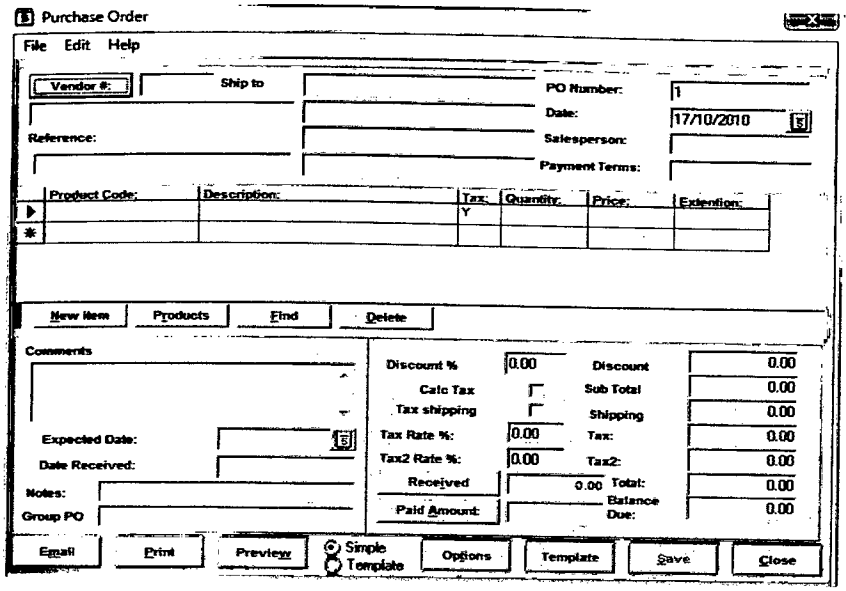

Figure 2.7: New Purchase Order Page

Items

Items List

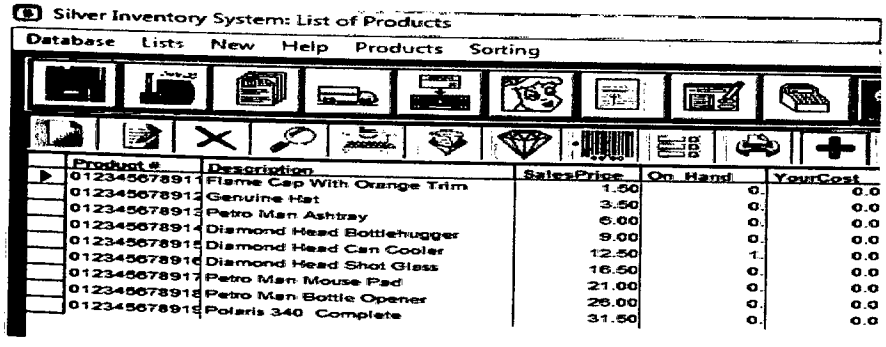

Figure 2.8: Item List Page