

# Inventory system thesis



**ASSIGN  
BUSTER**

Statement of the problem There are a lot of salons all over the country. Each one has their own trademarks when it comes to the field of hairstyling. But if you want to have the best European hairstyle created by the experts here in the Philippines, David's Salon is the one that you're looking for. It has over 200 branches nationwide. The salons offer a wide variety of hair services. Hair products are also available in the salons. But even though David's Salon is a big salon company, the product encoding and inventory system of some branches, such as our subject branch, are still in the manual process.

Sold products are written down on log books as well as the stocks of products (inventory). In today's business environment, even small and mid-sized businesses have come to rely on computerized inventory management systems. The study is intended to create a computerized process to lessen the amount of time consumed in encoding the products and checking the product stocks. Objectives of the study The aim of this study is to develop a useful system for the salon which has the capability to encode purchased products and acquired services by the clients and to automatically display a bill after encoding.

We also aim to keep track on the inventory of products. The sold products are deducted from the stored items in the inventory system. The system warns the user if the sold products are already below the minimum amount.

Scopes The David's Salon SM Fairview Branch is currently using a manual process of encoding purchased products as well as in the inventory.

Transactions are recorded on log books. Limitations Since the salon uses a manual inventory system, it consumes a lot of time and effort. Lengthy

details of the products are encoded and it has a great tendency of having errors.

Inventory checking has to be made everyday before the closing so it adds up to the work loads of the inventory clerk of the salon. Significance of the study Since manual inventory consumes a lot of time and is susceptible to errors, it would be helpful to build a system that will automate the transactions from acquisition of the product description to updating the inventory database. The automated inventory system will improve employees' work efficiency by automating routinely and time consuming tasks such as the time spent in taking down product information.

As a result, the time can be used in more productive activities. The accuracy of the current system will also be improved, since the automated inventory system would eliminate the need of constantly encoding lengthy details of products by having an inventory database. Abstract The main subject of this study is to provide an automated product encoding, inventory and billing system for the David's Salon SM Fairview Branch using C++ language. Keeping inventory numbers by paper are a thing of the past.

In today's society, everything is about the now, and with the "now" comes new technology. Our main objective in this study is to develop a system using the C++ language which will help the Salon's Inventory Clerk and Sales Clerk in terms of encoding sold products and checking the product availability in the inventory. We want to have an automated and time-saving system which will make the user use less effort and make lesser errors. Our

proposed system also includes a billing system which displays the total amount of acquired products and services by the clients.

Since the current system used by our subject branch is in manual process, it is prone to human errors. Products bought and services acquired by the customers are written down on a log book and summations of the total cost are computed manually. The inventory system is also done manually. The inventory clerk checks the availability of the salon products at the end of the day. Sometimes, products are mischecked so it comes to a point that the salon runs out of some products. List of Current equipments used . ) Log books 2. ) ballpen Specification of equipments used 1. ) Log books – used for recording sold products and services; salon products are listed here and are used for checking the inventory. 2. ) Ballpens – for writing in the log book.

Software currently used \* Windows XP Estimated Cost 1. ) Log books

_____	Php 70. 00	2. ) Ballpen_____	Php
10. 00	Total_____		Php 80. 00