SISTEM PENGURUSAN MAKANAN RINGAN (SPMR)
(Rosly Masum SDN BHD)

NUR SYAMIMI SALMA BINTI ABDILLAH

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FACULTY OF COMPUTER SYSTEMS & SOFTWARE ENGINEERING
UNIVERSITI MALAYSIA PAHANG

ABSTRACT

Snack food industry is not less important in daily life. This is because many people involved in this field, especially the indigenous people. This industry is very lucrative returns. For example are food industry and rosly Azhar masum sdn bhd. although the industry is increasingly popular but the major problem in this industry in terms of management. Management in the industry takes it easy while many things have to be dealt with in the management of this industry. For example, food order, manage reservations, generate profit and soon. The very significant problem is during the festive season has received many orders. This project highlights the problems faced by Rosly Masum SDN BHD is one of the companies involved in this field. Among the problems faced by Rosly Masum SDN BHD is the business done manually. Manual management has no security features to manage all information about customers and information about the products. This can cause all information is lost. In addition, to develop this system requires the allocation of Rosly Masum SDN BHD. so, one way is needed to meet the requirement. The solutions proposed in the development of this system are to computerize the manual management and implement the document Software Development Plan (SDP), SRS (Software Requirement Specification) and the Software Design Document.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

This chapter will introduce the 'Sistem Pengurusan Makanan Ringan' in few aspects; highlight the problem will current practice using manual system. The objective for this system and the scope covered of this system. 'Sistem Pengurusan Makanan Ringan' is developing to manage a Rosly Masum Sdn Bhd order record, calculate stocks of the product and generate payment report. It also to implement Software Development Plan (SDP), Software Requirement Specification (SRS) and Software Design Document (SDD) to fulfill all the requirement of the Rosly Masum Sdn Bhd.

1.1 Problem Statement

These problems are identified based on Rosly Masum Sdn Bhd. The current problem in Rosly Masum Sdn Bhd is did not have systematic data to manage customer order, payment report, and stocks of the product. Currently, staff that work at Rosly Masum Sdn Bhd requires to manually manage all information that has been recorded in files. The manual system is not providing the security of the customer booking, salary of the staff and stocks of the product. Other problem that can be happen is hard to search and update the order, stocks of the product and generate payment report. Below is the specific problems statement that occurs by using manually system

i. The manual system is not providing the security to manage all information about the customer order and stocks of the product information that might be lost and other unexpected problem if it occurs.

ii. To fulfill the requirement of the Rosly Masum Sdn Bhd is very difficult and need one way to solve it.

1.2 Objectives

The objectives of this system are:

i. To provide computerize 'Sistem Pengurusan Makanan Ringan' via online to manage customer orders, stocks of the product and generate report so that the data is more secure.

ii. To implement Software Development Plan (SDP), Software Requirement Specification (SRS), Software Design Document (SDD).

"In managing the projects, it is crucially important to select and use the most effective management methods. When changes occur, they should be dealt with as soon as possible. At the initial stages of a project, gross development value, land cost, construction cost, time and profit are the main concerns of the client. When the economic environment changes, then the developer may change the plan or strategy so as to reduce or eliminate the negative impacts of any change that is incurred." [1]

1.3 Scope

This system will be developing based on Rosly Masum Sdn Bhd requirement. This system will cater on individual personal order at Johor only and focusing on recording Rosly Masum Sdn Bhd customer order, stocks of the product information, payment and generate profit report. There will be three users who will use this system which is Manager, Service person and Customer. This system has five main modules, namely registration, ordering, payment, manage stocks of the product and produce report. Customer can make an order via online and can edit, update, view and delete the profile and order. Service person is responsible for manage customer order, record stocks of the product. Manager also has same optional with the Service person but manager has additional option which is managed payment and generate report. This is a web-based system.

1.4 Thesis Organization

In chapter two, it will discuss about research for the project that has been chosen. The researches divide in two that current system or case study and research for technique that will be used to develop current system

For chapter three will be discuss on approach and overall work load to develop this system. This content consist of technique for implementation the projects

While chapter four will be explaining on documentation about all process that required in develop the system. If system develop use database, the technique of database need to be explain and the timetable that has been create need to insert via SQL instruction.

Chapter five will be discuss on result that has been received and all data analysis. The content that must have in this chapter consists of analysis of result, difficulty of projects and improvement of project.

Chapter six will be discuss on summary of the project that has been developed.

CHAPTER 2

LITERATURE REVIEW

2.1 Introduction

"Sistem Pengurusan Makanan Ringan (SPMR) is a computerized system for Rosly Masum Sdn Bhd usage. This system will developed to replace current booking and data storage problem. This system is to computerize 'Sistem Pengurusan Makanan Ringan' via online to manage customer, staff salary and stocks of the product so that the data is more secure. This system is developed via online.

2.2 Manual system

In order to develop the new system, important parts that must be considered are study and analysis the current system. For that, the current system had been study and analysis by interview to staff of Rosly Masum Sdn Bhd. From the interview, flow management can be referring in Figure 2.1.

In the manual system, the order is done using the phone. Customers need to call Rosly Masum Sdn Bhd to make an order/Employee will record all the customer's details and also the order are made in the booking form manually. This led to the use of a long time to deal.

The payment will be done manually. Staff needs to calculate payment manually to determine total cost that need to pay by the customers. To make a payment, customer can pay during they get their order. In that case, status payment will be record in the payment book. Customer will receive a receipt after they made a successful payment.

For update the products quantity, the entire product lists have been recorded by jot-down in white board with the quantity. For the return stocks not be calculate and record.

To report gains of Rosly Masum Sdn Bhd, a manager will calculate manually. This causes a lot of time on the need and benefits can not be counted cause correctly.

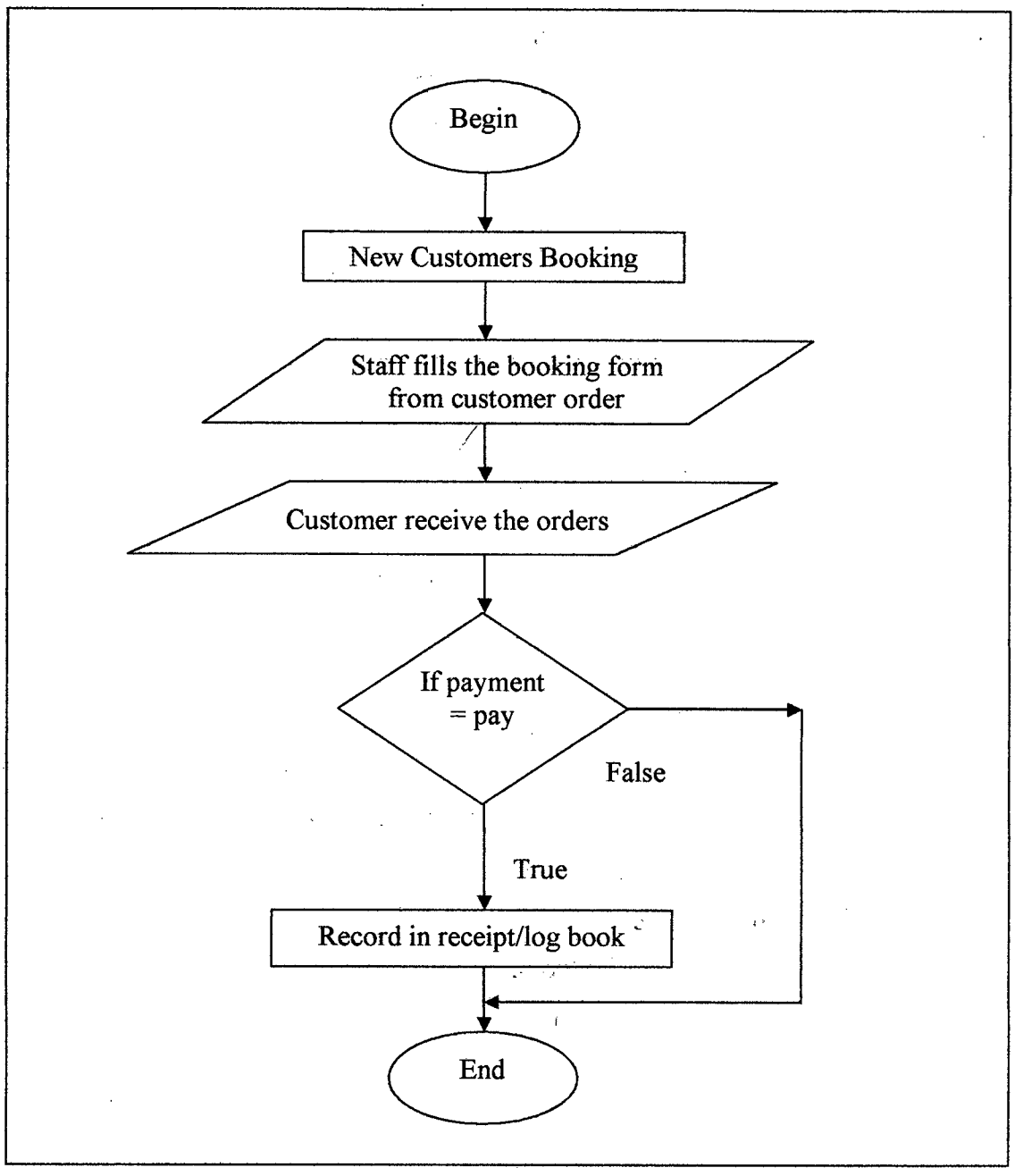

Figure 2.1: Manual System Flow (order)

Figure 2.1 show the flow of the manual system for Rosly Masum Sdn Bhd. There are many problems using manual system. There is not providing security for orders and payment process. The order information can be misplaced or record the wrong order

because staffs only record the customer order in the paper. For the payment, there is no deposit payment so customer can cancel the order anytime.

2.3 Plusliner Sdn Bhd

The Plusliner Online Ticketing System [2] - both implemented at the sales counters, and this system was developed in house by the owner of Systems Engineering Unit. This grants the great flexibility in making enhancements as and when required. If using the plusliner.com, you only need to visit this system once – which is on the date of departure. Furthermore, plusliner.com offers a membership Loyalty Programmed which rewards passengers with attractive discounts and coming soon - other gifts for redemption.

The Plusliner Online Ticketing was designed specifically to suit the operational requirements of Plusliner Sdn. Bhd., for Plusliner and NiCE express coach services. It is therefore not a "generic" ticketing system that can be applied directly to other operators, of which their operational requirements may be very different from ours. This can only be achieved through customization, which is gladly willing to discuss with other operators and service providers.

Interface Design

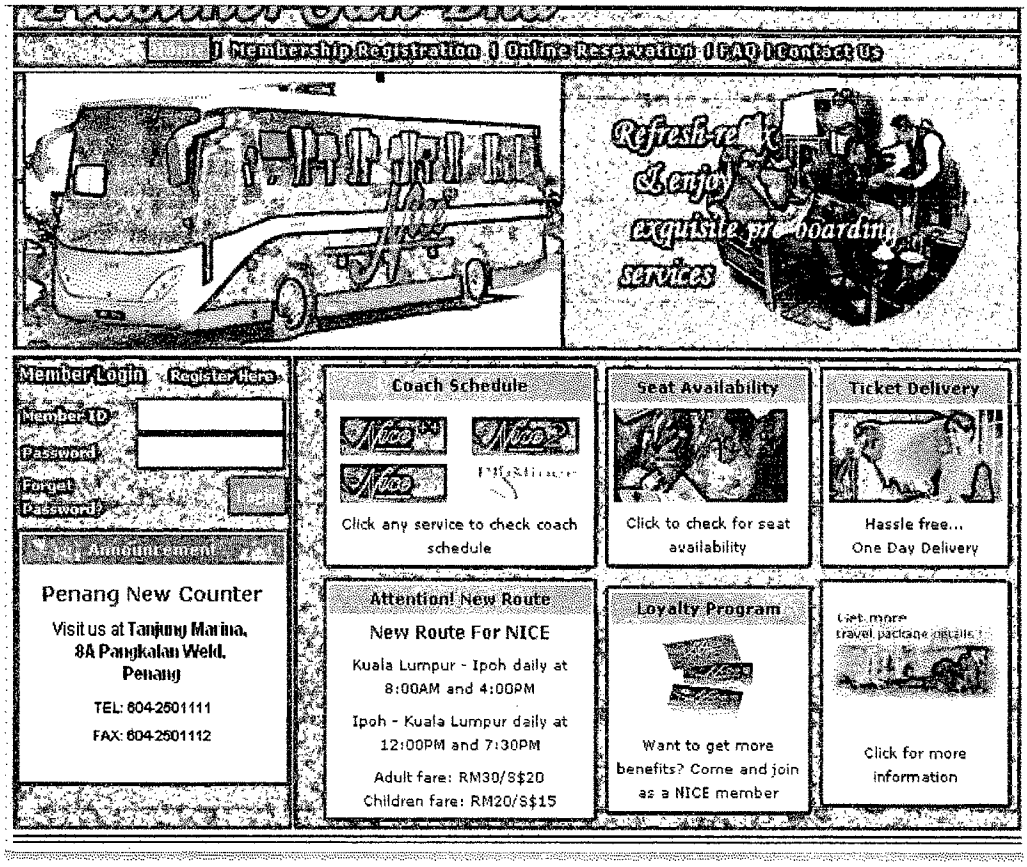

Figure 2.2: Main Page

Figure 2.2 show the main page of Plusliner Sdn Bhd. In this main page it has the new information and announcement about Plusliner so the customer can know the latest update about the Plusliner Sdn Bhd. This page also contain the login session.

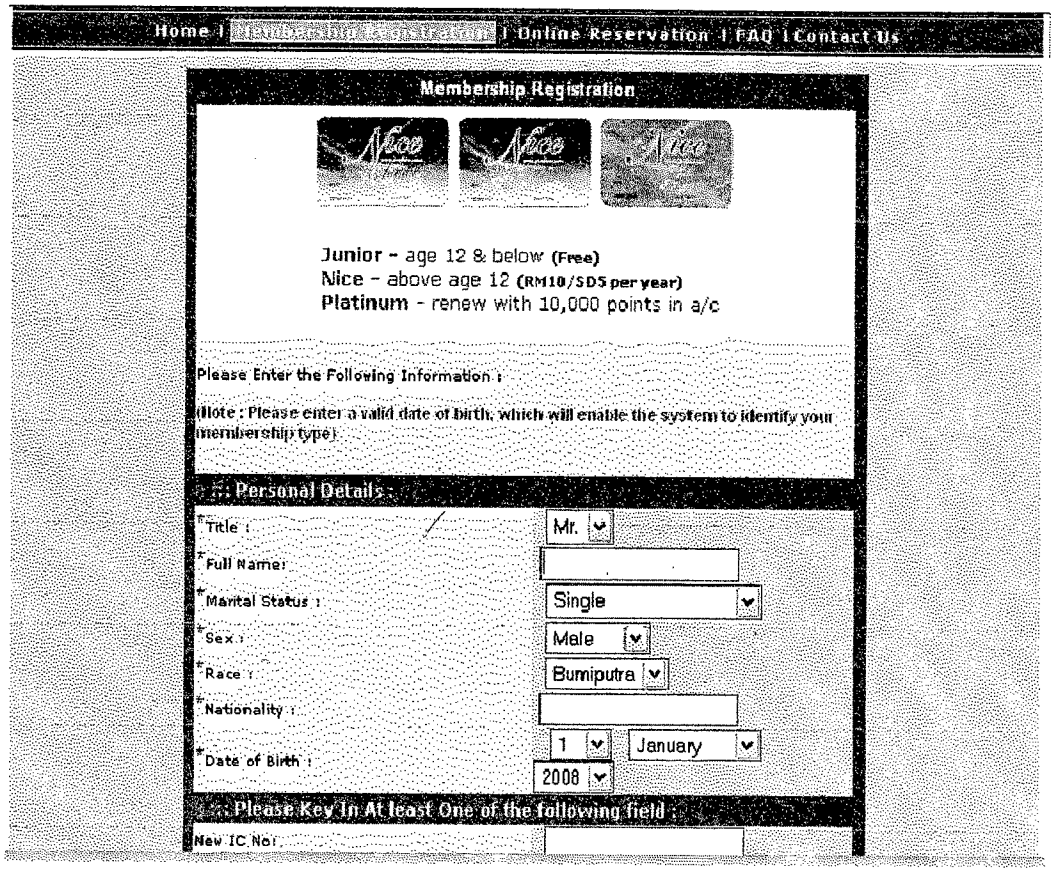

Figure 2.3: Booking Interface

Figure 2.3 show the booking form. After login, the customer can fill all the information in the booking form to book the ticket and check seat availability.

2.4 Proposed System

The system will be covering all the disadvantages or weakness of the current system. For make the system is more security, the password will be require. For the order, the customers need to register. System will provide form that contains the important information to customer need to fill it. During make a ordering, system will record the identity number of the customer. The identity number will be used in a long term. By using the Identity number, system can search profile, search status order and edit profile. Flow management can be referring in figure 2.4.

Process for booking, customers can choose the product that they want in the list along with the quantity of product required. System will display the unit price for each product and also the total price of the product was selected based on quantity. After that, the customer should verify all information order made is correct. Customers also need to confirm details such as address themselves to the delivery of goods, name and phone number.

For a payment process, customer needs to pay first before get the order. Customers can choose to make payment of fees provided in this system. Customers can only choose one type of payment only. After that, customers need to transfer the payment from their account to the company account. They can also see the delivery status in their profile.

System also will count number of stocks. The staff need to edit product using the series number and can add total of that product.

For the report, administrator can view the profit every month. After that, administrator can print the report.

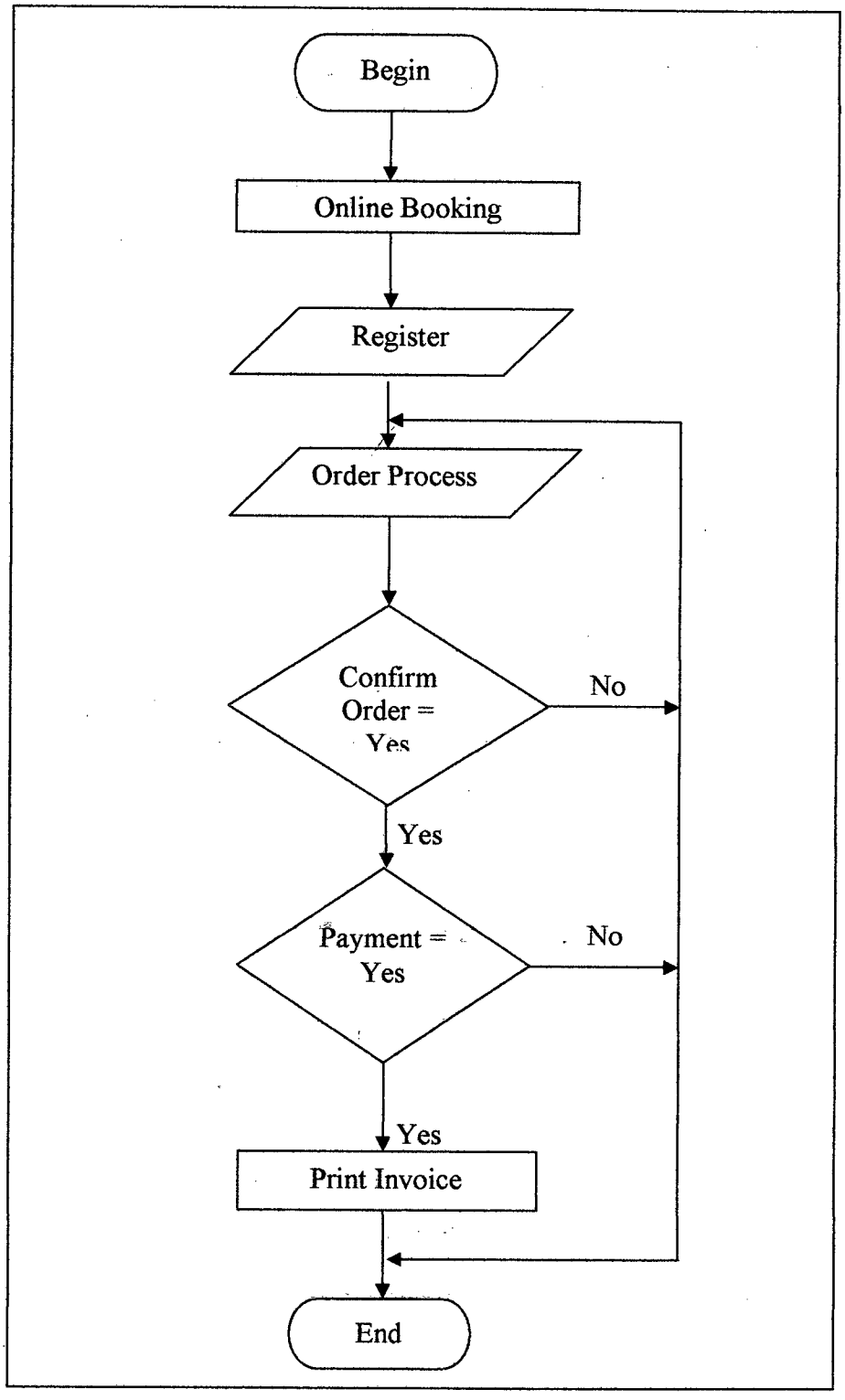

Figure 2.4: Flowchart of propose system for "Sistem Pengurusan Makanan Ringan"

Figure 2.4 shows the flowchart of propose system for "Sistem Pengurusan Makanan Ringan". Customers must order via online. Before that, they must register to make order process. After done the order process, they must confirm their order and have two options whether want to continue order process or cancel it. For the payment process, it will continue after customers confirm their order. They need to choose payment type that contain in the interface.

2.5 Database Management

When discussing about database, it cannot escape from discussing about data. Decisions that are made without reference to neither any accurate data nor information would normally result in disastrous circumstances. Data and information are important basic in the decision making process and data also is an asset to an organization. Information resulted from the data that has been analyses and synthesized.

Data must be stored and manage properly because it is a valuable asset to an organization. A huge data compilation which is stored in a data repository is known database. Database is a compilation of related data that are shared together by various categories of user to cater the information need of an organization.

Although data and information are considered as an asset to an organization, but large repository data will become a burden if they are not managed efficiently. Data access and maintenance involves high costs, thus an organized data and information management system is required. This system is known as Database Management System (DBMS). DBMS is a software system which allows users to interpret, creates, update, arrange, manages and maintain database. DBMS also controls data access in the

database. DBMS simplifies data and information management that required by organization. DBMS acts as an interface between users and database. Refer figure 2.5.

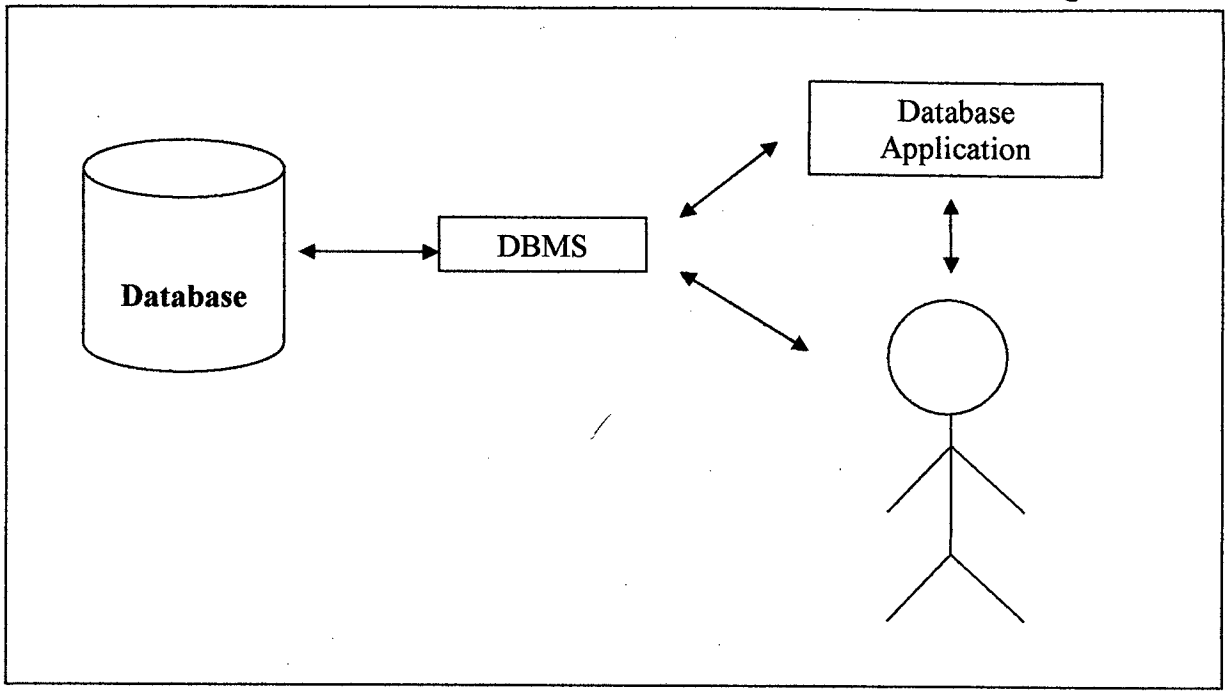

Figure 2.5: Components of Database System

Database application is an application program which maybe written in one programming language such as C and C++ to execute certain tasks by accessing database.

The use of database management systems (DBMS) to replace conventional file processing systems has dramatically increased in the past years. Although the use of DBMSs overcomes many of the limitations of file processing systems, many important applications require access to and integration of information among several and often incompatible DBMSs. allows users and applications to access and manipulate data across several heterogeneous databases while maintaining their autonomy. We discuss the requirements and objectives of a federated database management system, and outline the major issues and challenges for building and using such a system [3].