ACKNOWLEDGEMENT

The proponents would like to express their deepest gratitude to the creator, God Almighty for his constant guidance throughout this study.

The proponents would like to thank the following persons, groups for their hospitality, patience and understanding.

To our parents for allowance support and for letting us work overnight w/ our group.

To our group member's, individual residences for a accommodating us in their respective process, thank you.

The Professor Jayson R. Hermogenes , subject adviser for his kindness, generosity, support and guidance to the researchers throughout the making of this study.

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Professor Gemma B. Macariola, Head for Student Affairs and Services, for the help she had given to the researchers especially for the information that was needed for the study.

Our loving parents, for their moral and financial support, for the love and inspiration they have given us to pursue our bachelor's degree.

Our friends, for the support, assistance and the courage they with us within the study.

And lastly, to our almighty God who has given us the strength, faith, guidance, knowledge and for making us strong in times of difficulties.

DEDICATION

The proponents dedicate this study

to every person that has been part of this project

contributing their resources and knowledge regarding this project.

The proponents primarily dedicate this study

to their school,

Polytechnic University of the Philippines Santa Maria Campus.

The proponents also offer this study

to their professors who persistently motivate them,

so they can provide such system like this

that will hopefully make a big difference in the university.

To the family of the proponents

who has been very supportive during the process,

to their love ones for inspiring them

and continuously giving them reasons

to have more perseverance in finishing this project.

And above all,

the proponents offer this project

to God Almighty that always showers them with his blessings.

ABSTRACT

The chapter 1 discusses the introduction and system overview of the study. This section deals with the following statement of the problem according to the study, objective, scope and delimitation of the study.

The chapter 2 deals with the feasibility studies discuss which includes technical feasibility and operational feasibility. Economic feasibility deals with the hardware and software depreciation cost. The cost will implement in the market analysis.

System Analysis implements diagrams that discuss the flow of the proposed system. It helps the proponents to take action for the proposed system.

System Design implements the process of defining and developing a system to satisfy specified requirements of the user to use the proposed system.

The chapter 5 discusses the summary of the whole study. This section deals with conclusion and recommendation for the proposed system.

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CHAPTER 1

Introduction

A hotel is an establishment that provides paid lodging on a short-term basis. The provision of basic accommodation, in times past, consisting only of a room with a bed, a cupboard, a small table and a washstand has

largely been replaced by rooms with modern facilities, including en-suite bathrooms and air conditioning or climate control.

The cost and quality of hotels are usually indicative of the range and type of services available. Due to the enormous increase in tourism worldwide during the last decades of the 20th century, standards, especially those of smaller establishments, have improved considerably. Hotels are independently assessed in traditional systems and these rely heavily on the facilities provided.

Today, most of the Hotels provide goods and services using computer system. It helps to perform task in an easy way with less time consumed. Some companies are become fully automated while others strive for the similar setting.

Computer programmers develop things like computer system that the rest of us could use. The computer programmers tell the users what to do. They make programs that users can easily used or understand.

The advent of new technology gave rise to easy and hassle free interaction between and among humans. Whether it is in business, science or what ever task a person takes on the quality and speed of carrying it out are enhanced with automation at the core of this efficient

Today, many systems have used an automation process like using computer system, due to the efficient and accuracy. "Hotel Reservation System" is a transaction processing system. In this system there are more advantages rather than a manual Hotel Reservation.

Background of the Study

The proponents want to know the reasons of hotel in using manual reservation. The proponents conduct a study towards the topic because they notice some of the hotel still use manual reservation.

The study will emphasize the effects of using manual reservation and how a computerized reservation will be substituted. Therefore, the proponents purported to find out how to increase the number of customer using computerized reservation.

Interaction and individual stimulation have always been linked to the technological availability of the time and place. With the transition to an information-based society, computers and transactions have evolved from manual transaction.

One of the solutions or alternatives to the problems that a hotel is facing, a system was being developed which can edit, delete, filter, monitor and store and secured the records of the customers.

Hotel Reservation system is a transaction processing system that solves the problem encountered during the manual Hotel Reservation. The computerized Hotel Reservation System aims to simplify the manual Hotel Reservation fastest and accurate. Database is shared thru Local Area Network (LAN). The proponents make use of some tools and techniques to build the project. The system uses Graphical User Interface (GUI) to help the user give instruction to the computer. The system once

implemented it will solve the most common problems that the Hotel Reservation encounter.

Statement of the Problem

Based on the research conducted, the proponents found out the problem of this study is:

How will this system help the management and the staff to have an accurate service at the same time to monitor the records of the customers?

General Problem:

The main problem of this study is the inaccurate reservation of the customer.

Specific problem:

1. Low in security

2. Time monitoring

3. Less data integrity

4. Difficulty in searching and retrieving files

5. Possible loss of records and retrieving files

6. Difficulty in finding the availability of rooms

Objective of the Study

This study intends to develop an Hotel Reservation System.

General Objectives

This study aims to solve the problems encountered and to change the manual reservation.

Specific Objectives

1. To increase the security between the management and staff.

2. To lessen time consume.

3. To highly integrate data.

4. To spend less time in searching and retrieving of files.

5. To create a back up of files in every successful transaction.

6. To become make easier to find the availability rooms.

SCOPE AND DELIMITATION

This study is conducted to know the reason behind the proponents on how will their purposed systems will help the Hotel Management.

Hotel Reservation System is fully scalable and designed to provide extensive flexibility and varied choices. Typical hotel reservation and ecommerce hotel system software reservation solutions currently in place and available today are technically designed to achieve only one objective function, which is to connect buyer to seller.

SCOPE

This study mainly focused on providing retailing business application using computerized system that enables businesses to track services and aims to provide accurate and reliable process on every transaction especially in a hotel reservation. This study looked into a better impact of using technology today on how it affects our daily lives especially for being the customer. With this studies it can help our beneficiaries to know the differences of using manual system to a computerized generation today, prioritize is to prove and to give them the right information.

DELIMITATION

Hotel Reservation System is designed to manage all types of hotel bookings, made directly by guests .Its powerful hotel reservation, marketing & merchandising features give you the ability to control dynamic room or tour allotments, distribute confidential trade rates, provide varying rates and commissions, multiple seasons, distributing last minute rates, multi-currency including the euro and so much more. The hotel reservation system will allow you to dynamically control most of your hotel reservation without the need for an expensive web designer.

CHAPTER 3

SYSTEM ANALYSIS

Systems analysis is the interdisciplinary part of science, dealing with analysis of sets of interacting entities, the systems, often prior to their automation as computer systems, and the interactions within those systems. This field is closely related to operations research. It is also "an explicit formal inquiry carried out to

help someone, referred to as the decision maker, identify a better course of action and make a better decision than he might have otherwise made.

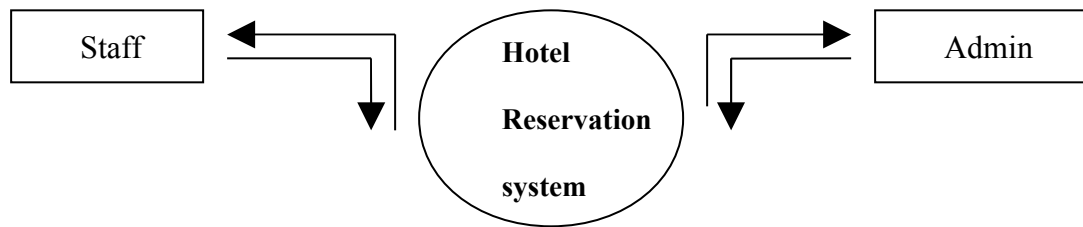## CONTEXT DIAGRAM

Staff

Hotel Reservation system

Admin

Fig. 1.0

The staff will assist the customer, they input customer information to the form before they check in to the hotel, and the admin will monitor the ongoing transaction.

EXPLODED DATA FLOW DIADRAM

User

LogIn

Input

User Name

Password

Admin

Log In

Input

Password

Choose Hotel

Input Fill Up From Input

Payment Process
Credit card
Cash

Transaction

CustomerRecords (add, e

Hotel Info

Monitoring
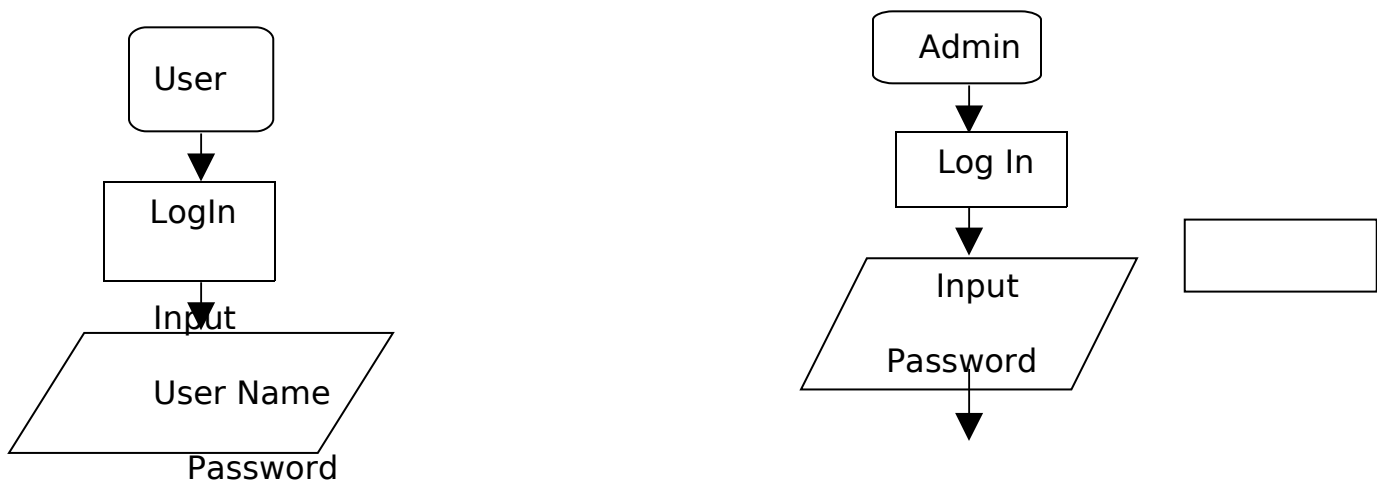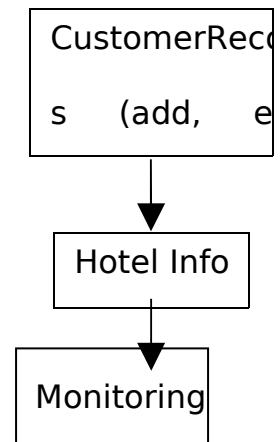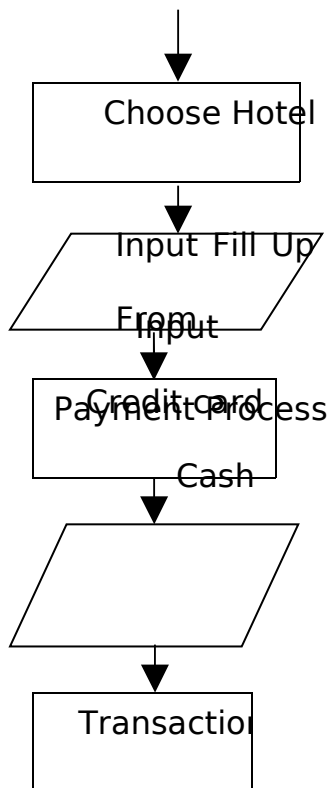
Fig. 1.1

SYSTEM FLOWCHART

Start

Input SHAPE * MERGEFORMAT

Input
User Info

Input
Hotel Choice

Reserve ?

Sign up

Client
Account

Payment
Process → C

Hotel Info

B

Register → Fill up
FORM → Reservation
Process →

A

C

Stop

→ → B

Hotel Info

Register

Fill up FORM

B

Reservation Process

A

C

Stop

B

A
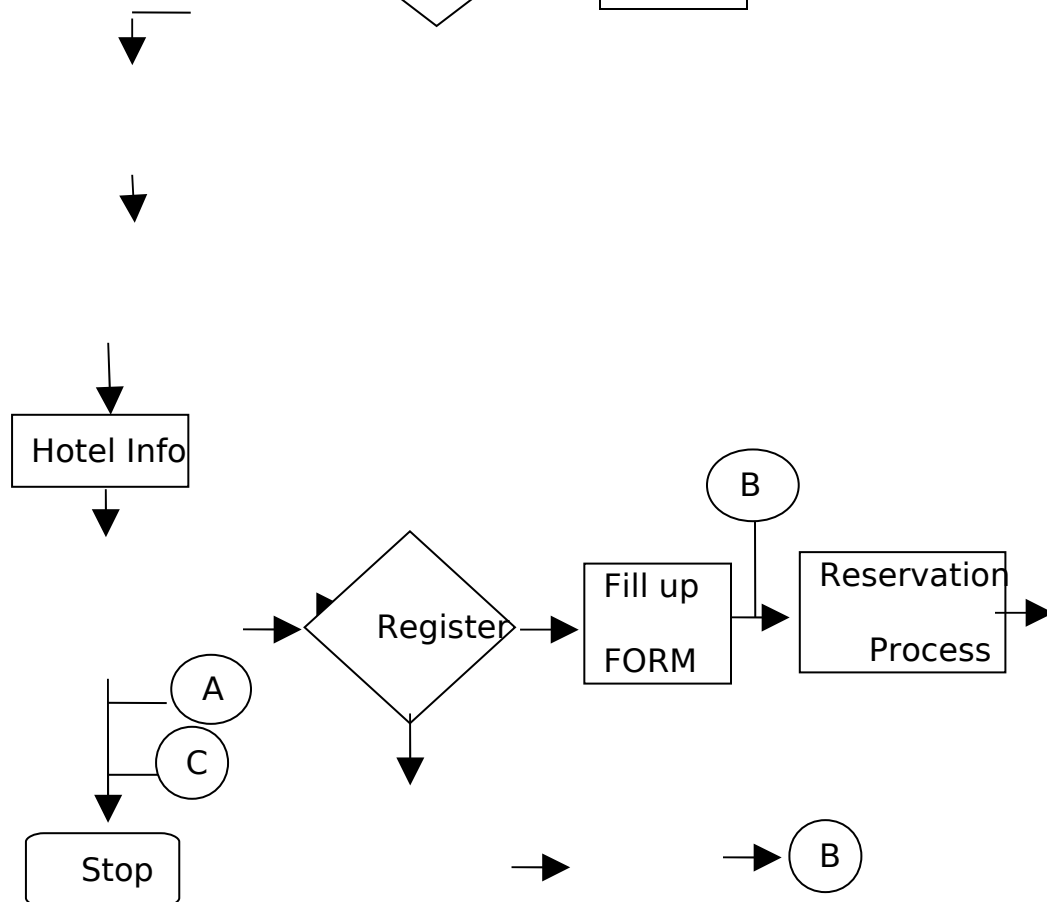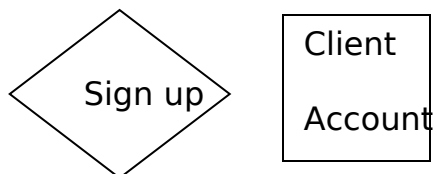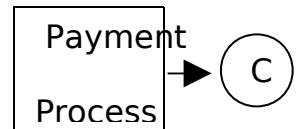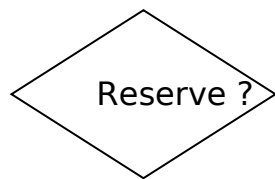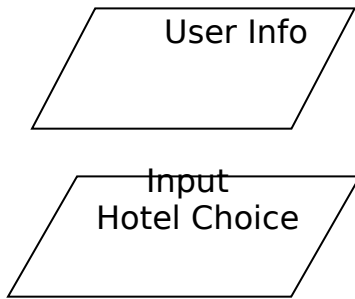
Fig. 1.2

CHAPTER 4

SYSTEM DESIGN

In this chapter the design phase may be defined as the process of applying various techniques and principles for the propose of a defining a device, a process or system in sufficient detail to permit its physical realization.

VTOC

Client Application   Admin

System

```
Client Application                          Admin

   ┌─────────────────┐              ┌─────────────────┐
   │        0        │              │        0        │
   │ Proposed System │              │ Project System  │
   └────────┬────────┘              └────────┬────────┘
            │                                │
   ┌────────▼────────┐              ┌────────▼────────┐
   │      1.0        │              │      1.0        │
   │   Log In form   │              │ Input Password  │
   └────────┬────────┘              └────────┬────────┘
            │                                │
   ┌────────▼────────┐              ┌────────▼────────┐
   │      2.0        │              │      2.0        │
   │  Check In Form  │              │ Customer Records│
   └────────┬────────┘              └────────┬────────┘
            │                                │
   ┌────────▼────────┐          ┌────────────┼────────────┐
   │      3.0        │      ┌────▼───┐  ┌─────▼───┐  ┌─────▼────┐
   │ Payment Process │      │  2.1   │  │   2.2   │  │   3.3    │
   └────────┬────────┘      │  Add   │  │  Edit   │  │  Delete  │
            │               └────────┘  └─────────┘  └──────────┘
   ┌────────▼────────┐
   │      4.0        │              ┌─────────────────┐
   │     Close       │              │      3.0        │
   └─────────────────┘              │   Monitoring    │
                                    └─────────────────┘
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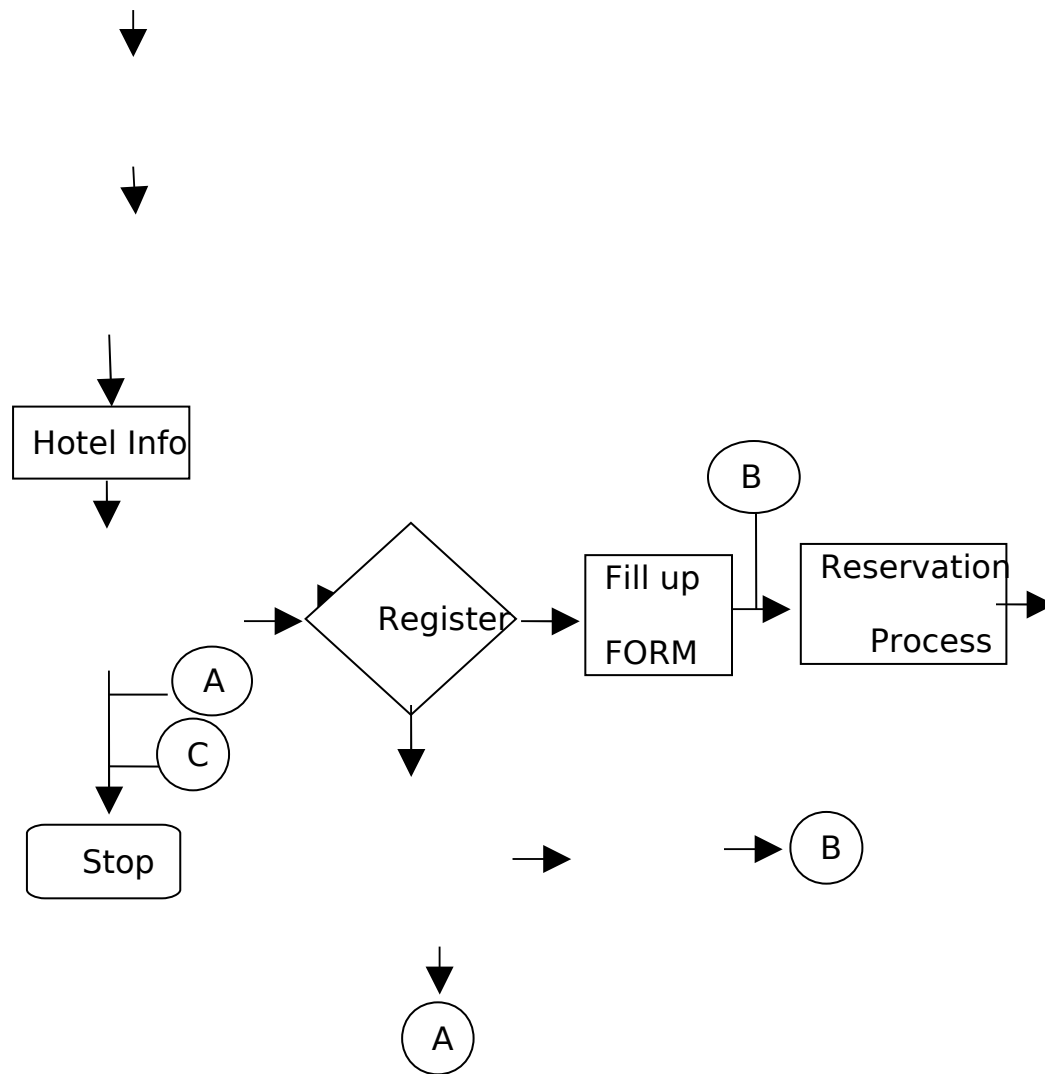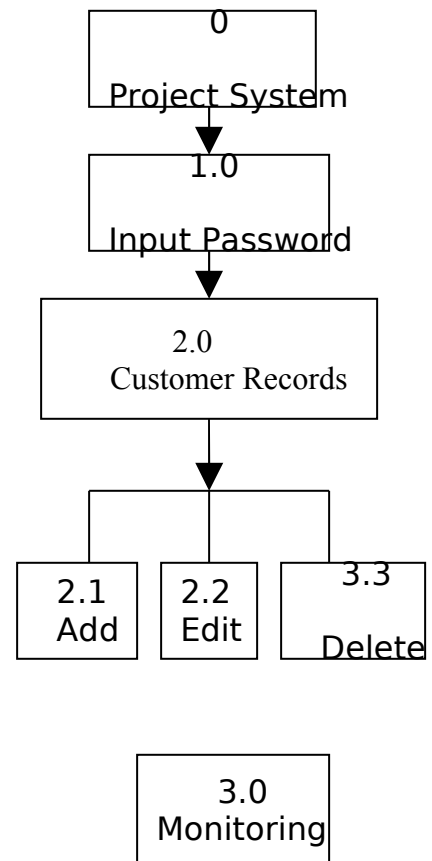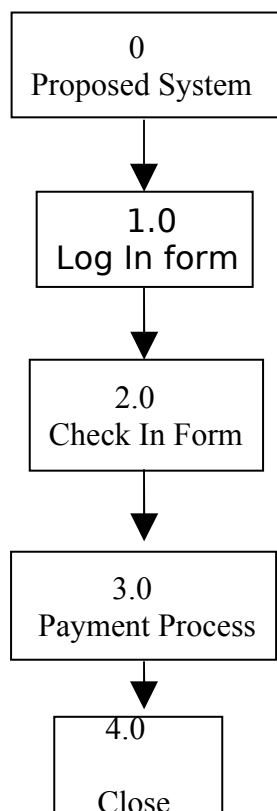
Fig. 1.3

INPUT PROCESS OUTPUT (IPO)

| Log In

Register | → | Choose Place

Fill up From

Reservation process | → | Payment

process

Transaction

complete |
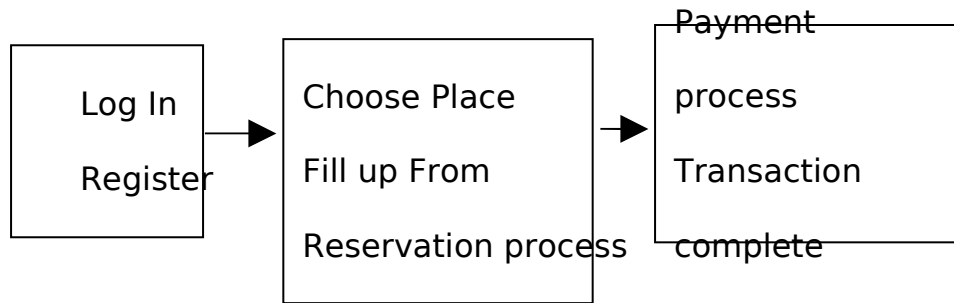
Fig. 1.4

PROGRAM FLOWCHART

Start

Log In

Register

Input Username Password

Input Fill up From

A

Display Check In From

A

Payment Process

Input Credit/Cash

Transaction Complete

End

Fig. 1.5

DATA MODELING

Admin and Password → Customer →

- → Log In/Password → Customer's Account
- → Register → Fill-up form

→ Reservation Process → Payment
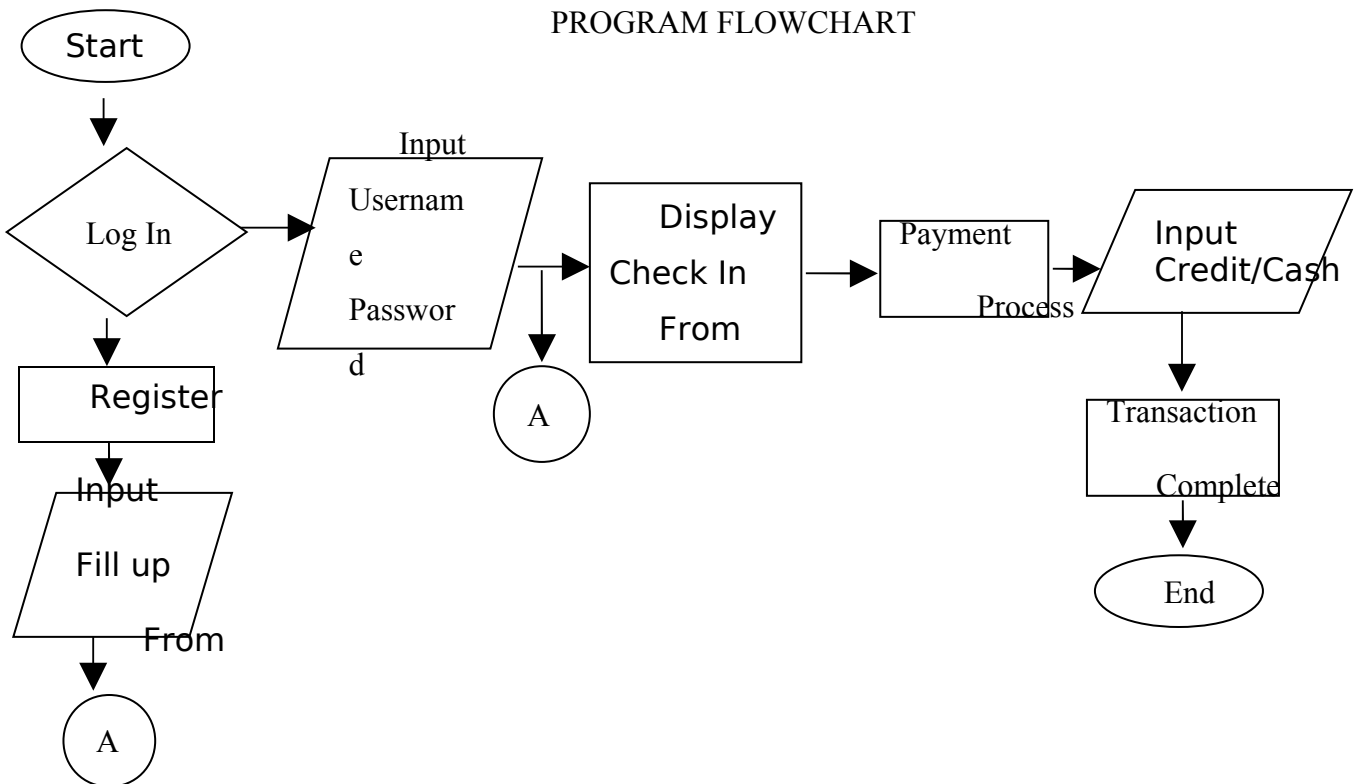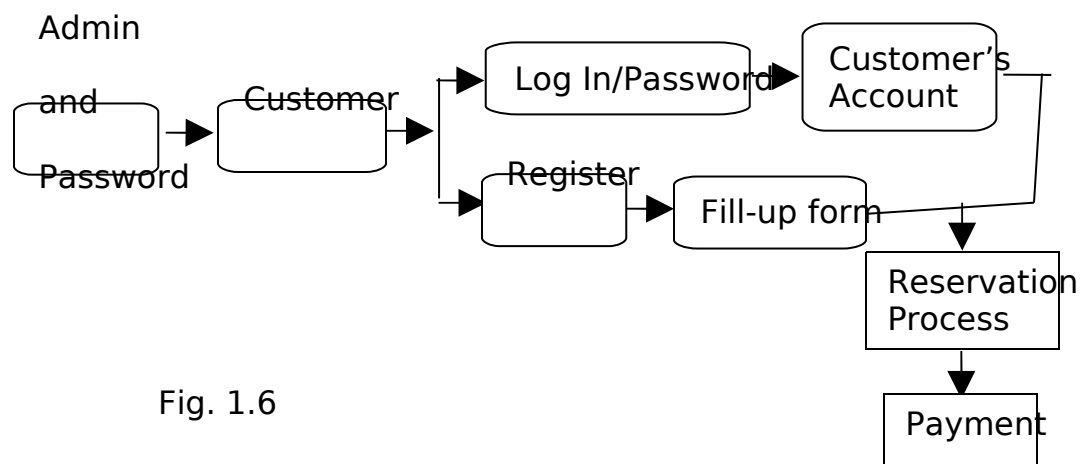
Fig. 1.6

ENTITY RELATIONSHIP DIAGRAMS

Entity Relationship Diagrams show entities in a database and relationships between tables within that database. The patterns help focus on how the database actually works with all of the interactions and data flows, although another useful tool is a Data Flow Diagram (DFD) which more directly describes this.
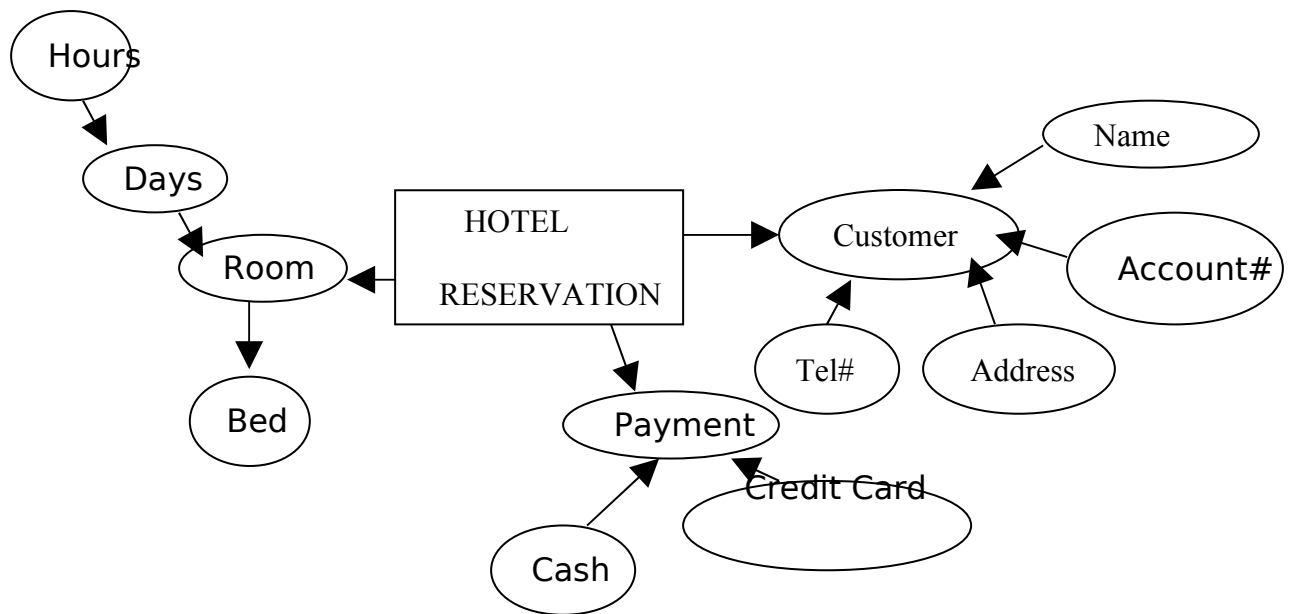
Fig. 1.7
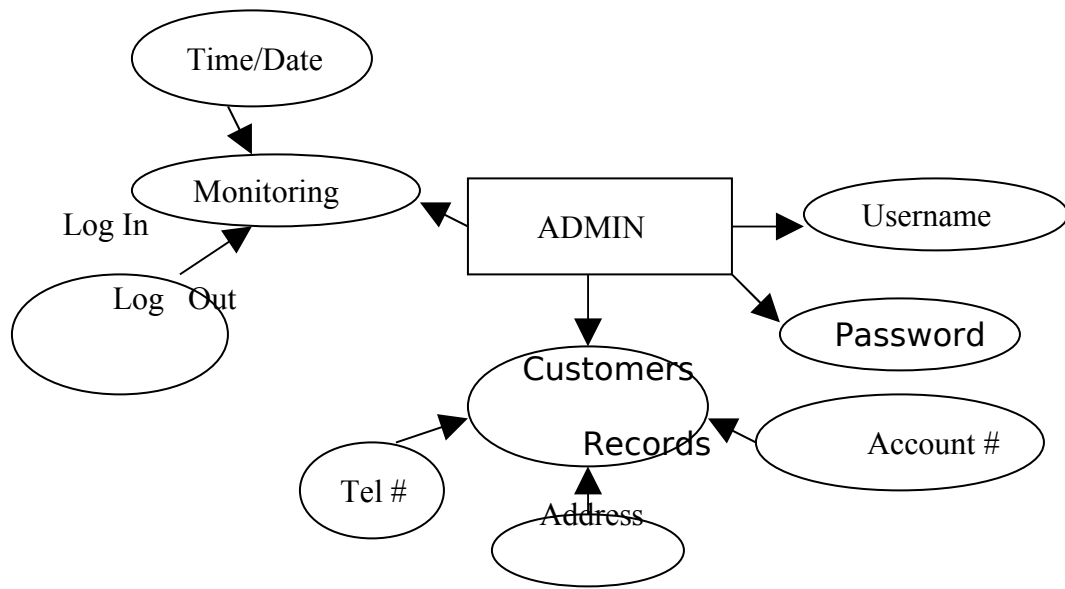
Fig. 1.7

CHAPTER 5

SUMMARY, CONCLUSION AND RECOMMENDATION

This chapter implements the summary of the proposed system wherein the proponents have conclusions and recommendation according to their findings.

SUMMARY

Hotel Reservation System has all the dynamic versatile features required to run your hotel, and guest house business. Hotel Room Management offers an operational integration between reservations, guest history, reception/ front desk, Sales Ledger, and Reporting modules. Software has facility to generate report for analyzes your booking, check in and checkout status. Hotel Room Management system is the best suit for managing you resource in very simple but effective manner with minimal efforts or time so that it increases your revenue.

This study aims to change the current system that would be accurate for both customer and hotel management. The proponents use diagrams to implement the flow of the proposed system.

CONCLUSION

Based on the result of the researcher's study, the following conclusions are given: 1. The manual process of transaction is inaccurate for the customer because of possible lost of records. 2. More consuming of time in filling forms and reports.

RECOMMENDATION

After studying and analyzing the flow of the current system of Hotel, the proponents would like to recommend the following: The system prove to be fast accurate convenient, efficient and reliable for the process of reservation. The proponents developed an automated system suitable for the hotel; the system could save time, effort in filling and monitoring

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CURRICULUM VITAE

JOAN ZUÑIGA DEL ROSARIO

1124 Parada Sta. Maria, Bulacan

0905-9298-307

joan_delrosario3@yahoo.com

OBJECTIVE:

          To be able o obtain wider experience, deepen my knowledge and gain maturity needed in my practicing my career.

PERSONAL BACKGROUND

Gender   **:** Female

Age	: 22 years old
Birth date	: October 17, 1987
Civil Status	: Single
Citizenship	: Filipino

EDUCATIONAL ATTAINMENT

Present   **TERTIARY**

Bachelor of Science in Information Technology

Polytechnic University of the Philippines

Km. 38, Pulong Buhangin, Santa Maria, Bulacan

2000.2004   **SECONDARY**

Parada High School

Parada, Sta Maria, Bulacan

1994.2000   **ELEMENTARY**

Parada Elementary School

Parada, Sta Maria, Bulacan

CHARACTER REFERENCES

Mrs. Gemma Boco

Book Keeper

Land Bank of he Philippines

091754253499

I hereby certify that all information above are true and correct to the best of my knowledge and belief.

_____

GENESIS G. CABONEGRO

Blk. 10 Lt. 37 Tierra De Sta. Maria, Pulong Buhangin, Sta. Maria Bulacan

0935-1389-690

audistas_playa@yahoo.com

PERSONAL BACKGROUND

Gender	**:** Male
Age	**:** 24 years old
Birth date	**:** December 14, 1985

Civil Status   **:** Single

Citizenship   **:** Filipino

EDUCATIONAL ATTAINMENT

Present   **TERTIARY**

                            Bachelor of Science in Information Technology

                            Polytechnic University of the Philippines

                             Km. 38, Pulong Buhangin, Santa Maria, Bulacan

1998-2002   SECONDARY

                             Dalandanan High School

                             Dalandanan Valenzuela City

1992-1998   ELEMENTARY

                           Paltok Elementary School

                           Dalandanan Valenzuela City

CHARACTER REFERENCES

Mr. Teofilo Piodo

Teacher

Makati Philippines

 I hereby certify that all information above are true and correct to the best of my knowledge and belief.

                                              _____

LEE B. ESPIRITU

1074 Green Valley St., Pulong Buhangin, Sta. Maria Bulacan

0905-8458-159

espiritulee10@yahoo.com

PERSONAL BACKGROUND

Gender   : Female

Age	: 19 years old
Birth date	: April 10, 1990
Civil Status	: Single
Citizenship	: Filipino

EDUCATIONAL ATTAINMENT

Present   **TERTIARY**

Bachelor of Science in Information Technology

Polytechnic University of the Philippines

Km. 38, Pulong Buhangin, Santa Maria, Bulacan

2003-2007   SECONDARY

Sacred Heart Academy

Sta. Maria Bulacan

1997-2003   **ELEMENTARY**

C.M De Jesus Memorial School

Pulong Buhangin, Sta. Maria Bulacan

CHARACTER REFERENCES

Mr. Jayson R. Hermogenes

Pup Smb Campus I.t Professor

Sta. Maria, Bulacan

 I hereby certify that all information above are true and correct to the best of my knowledge and belief.

$$\overline{\hspace{5cm}}$$
<div align="right">LEE B.</div>

 ESPIRITU

SHIELA C. BARCAYAN

Lalakhan, Sta. Maria Bulacan

0920-8694-654

barcayans@yahoo.com

PERSONAL BACKGROUND

Gender	**:** Female
Age	**:** 18 years old
Birth date	**:** April 3, 1991
Civil Status	**:** Single
Citizenship	**:** Filipino

EDUCATIONAL ATTAINMENT

Present   **TERTIARY**

Bachelor of Science in Information Technology

Polytechnic University of the Philippines

Km. 38, Pulong Buhangin, Santa Maria, Bulacan

2003-2007   SECONDARY

Sacred Heart Academy

Sta. Maria Bulacan

1997-2003   **ELEMENTARY**

I hereby certify that all information above are true and correct to the best of my knowledge and belief.

_____

SHIELA   C. BARCAYAN

AIMEE P. HERMOGENES

Sitio Gulod, Pulong Buhangin, Sta. Maria Bulacan

0926-7760-599

PERSONAL BACKGROUND

Gender   **:** Female

Age   **:** years old

Birth date   **:**

Civil Status   **:** Single

Citizenship   **:** Filipino

EDUCATIONAL ATTAINMENT

Present   **TERTIARY**

      Bachelor of Science in Information Technology

      Polytechnic University of the Philippines

      Km. 38, Pulong Buhangin, Santa Maria, Bulacan

2003-2007   SECONDARY

1997-2003   **ELEMENTARY**

      C.M De Jesus Memorial School

      Pulong Buhangin, Sta. Maria Bulacan

I hereby certify that all information above are true and correct to the best of my knowledge and belief.

               _____

               AIMEE P.

HERMOGENES

ARLENE P. MERCADO

#1161 Sitio Libis, San Jose Patag, Sta. Maria, Bulacan

09152186982

joefene18@yahoo.com

OBJECTIVE:

   To the company that I will work for, I will assure the best of my ability for the attainment of its Goals and Visions. To grow as a person by discharging my ability, skills and knowledge in the company where I choose to be my second home of comfort and security.

PERSONAL BACKGROUND

Gender   **:** Female

Age   **:** 22 years old

Birth date   **:** April 11, 1987

Civil Status   **:** Single

Citizenship   **:** Filipino

EDUCATIONAL ATTAINMENT

Present   **TERTIARY**

          Bachelor of Science in Information Technology

          Polytechnic University of the Philippines

          Km. 38, Pulong Buhangin, Santa Maria, Bulacan

2000-2004   SECONDARY

          Sacred Heart Academy

          Sta. Maria Bulacan

1994-2000   **ELEMENTARY**

Sta. Maria Elementary

Poblacion, Sta. Maria, Bulacan

SEMINARS ATTENDED

January 29, 2009   Student Conference on I.T. Education 2009

Olongapo City Convention Center

Olongapo City, Zambales

July 28, 2008   Ethics for I.T.

Polytechnic University of the Philippines

Km. 38 Pulong Buhangin, Sta. Maria, Bulacan

September 29, 2007   Adobe Photoshop CS: A Powerful Tool for

Editing and Creating Graphics

Km. 38 Pulong Buhangin, Sta. Maria, Bulacan

CHARACTER REFERENCES

Mr. Jayson R. Hermogenes

        Faculty Member

        Polytechnic University of the Philippines

        Sta. Maria Extension

    09274196382

Mr. Fortunato Alcantara

    Barangay Councilor

    Sitio Hulo, San Jose Patag, Sta. Maria, Bulacan

I hereby certify that all information above are true and correct to the best of my knowledge and belief.

_____

ARLENE P. MERCADO