A
PROJECT REPORT

ON

"Hotel Management System"

FOR

Arts, Commerce & Science College, Sonai

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

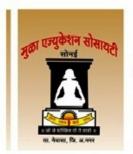**BY**

Miss. Gaikwad Kaveri Ashok

Miss. Tathe Akshada Chandrakant

Under the Guidance of

Shri. Bahirat Sir

IN PARTIAL FULLFILLMENT OF BACHELOR OF COMPUTER APPLICATIONS

FOR THE ACADEMIC YEAR

2020-2021

CERTIFICATE

This is to certify that **Miss. Gaikwad Kaveri Ashok & Miss. Tathe Akshada Chandrakant** rebonafide students of **Arts, Commerce and Science College, Sonai** have successfully completed the Mini project work as prescribed by the Savitribai Phule Pune University, Pune in the partial fulfillment of the requirement of Third Year, Bachelor of Business Administration (Computer Application). Program for the academic year **2020-2021**.

The Project Work titled as "**Hotel Management System**"

Shri. Bahirat Sir   **Shri.Darandale .S.R**

Project Guide   H.O.D.

External Examiner   **Internal Examiner**

ACKNOWLEDGEMENT

A successful project is the result of teamwork and co-ordination that includes not only the group of developers who put forth the ideas, logic and efforts but also who guide them. So, at the completion of the project, I feel obliged to extend my gratitude towards all those who made valuable contributions throughout my training period.

I wish to convey deep sense of gratitude towards Mr. Bahirat Sir , for all the cooperation and help at the time I needed.

I would like to express my sincere thanks to Mr. Bahirat Sir (Project Guide) whose keen interest coupled with valuable suggestions helped me in completion

of my project report

Miss. Gaikwad Kaveri Ashok

Miss. Tathe Akshada Chandrakant

DECLARATION

We hereby declare that the project work entitled, " **Hotel Management System**" submitted under the guidance of Shri. Bahirat Sir is our original work completed under the four walls of our institute.

The Report submitted is our own work and has not been duplicated from any other source. We shall be responsible for any unpleased moment/situation.

Miss. Gaikwad Kaveri Ashok

Miss. Tathe Akshada Chandrakant

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<u>Introduction</u>

It is being a result of patience, hard work & mutual understanding; it is our great pleasure to represent this project on **"Hotel Management System".**

Everyone needs some where to fallback upon sometimes. And we are not an exception. The completion of this project is the result of immense, heartfelt advice and suggestions, from various people in various fields no matter how small they might seem to be.

This project helps to reduce paper work,time ,cost etc.

Many things helps us to bring the right information required for project completion

This project helps to reduce various problems regarding hotel. Helps to manage food ,customer ,bill etc details

accurately.

EXSTING SYSTEM AND IT'S LIMITATIONS

Now, if we take an overview of manual account system for Hotel Management System then we will see that there is lots of heavy work for accountant to do just like finding information about Customer ,Food and Bill etc.

In this, lots of time was wasted. In this there are chances of making mistakes while collecting information or some time an information may not found. So this is the main drawback of manual account system.

Also it take lots of time to make a paper work. It has drawback that information is less durable. If any disaster happens there is chances to loss the records.

➢ The existing system doing all process manually.

➢ The personnel should refer all the records kept for years ago to simply know details .this is so tedious and time consuming.

➢ This existing system is difficult when number of users increasing.

Need For System:

- Accurate processing of information
  When data is handled manually there are more chances of mistakes in calculations. So we need to design such electronic system.

- Genuine processing of information
  In manual handling of data there are also chances of intentional manipulation of entry values.

- Keeping track of old data efficiently
  For effectively and faster accessing record of a particular instance we need such electronic system.

- Storage of information
  To store the old records of distributor and their details, we need storage of information. Effective Backup in such case is possible with the help of computerized system only.

SCOPE OF THE PRAPOSED SYSTEM

The Scope study is useful to evaluate the cost and benefits of the system requested .the feasibility study try to anticipate future condition of software development .there are few major aspects in scope study like technical scope and economical scope.Major advantages of proposed system over manual system are:

1. Time sharing
2. Rapid information processing
3. Accurate report generation
4. Less paper work
5. Fast & reliable information distribution
6. Reduction in cost

   .

OBJECTIVES

- ➤ This System will help Hotel, owner, and as well as Customers.
- ➤ To reduce paper work and human efforts.
- ➤ It is designed such a way that owner can view all the updates of the Hotel Details.
- ➤ The software will help in easy maintaining and updating Food details.
- ➤ Also quick and easy comparison of different foods for the customers.

REQUIRMENTS

Software and Hardware are the two sides of one coin i.e software without hardware is of no use and hardware software is also useless.so our system requirement are divided into hardware and software requirement .

Hardware Requirements:-

RAM - 2GB.

Hard Disk - 320GB

Mouse - Microsoft compatible.

Printer - Laser

Keyboard - Standard 101/102-key keyboard

Software Requirements:-

Operating System - Windows XP/ WINDOWS 7/8/10.

Back End Tool - MS ACCESS

Front End Tool - VB 6.0.

System Analysis

2.1 Fact Finding Techniques:

To study the system we need to collect facts i.e. gathering information about the system. The proper use of tools for gathering information is the key to success analysis.

Various fact finding techniques are:-

- Interview.
- Record Review.
- Questionnaire
- Observation.

Analyst implements any one of these techniques to develop a system which is accurate & comprehensive.

We used the following Fact Finding Technique:

- Questionnaire
- Observation

Questionnaire:-

A questionnaire is a perform a containing a sequence of questions to collect information from a user. The questions are clear & simple & to the point. The success of collecting data through a questionnaire mainly depends on how skillfully & imaginatively the questionnaire has been designed.

For collecting the information about the System we have visited some

shops and asked about their systems by asking some questions.

Observation:-

       Observation allows analyst to gain information they can't from any other fact-finding techniques. In this method analyst observes the flow of documents, way the process is carried out etc.

       Because of lack of record review fact finding technique we visited Shops and observed their flow of document process.

Feasibility Study:

Feasibility is the determination of whether or not a project is within the scope of organization. Feasibility is carried out to select the best system that meets performance requirements. This type of study determines if a project can and should be taken.

There are 3 types of feasibility:-

❖ Technical Feasibility:-
It is the study of hardware & software i.e. technical requirements of the system in order to inform the management & end user about the requirements of technical resources.
The system is technically feasible. No additional software or hardware is required for the implementation, as the system is developed using 'Java JDK 1.6' Technology as front-end tool &'MS Access' as back-end tool.

❖ Economical Feasibility:-
It is the most frequently used technique for evaluating the effectiveness of the proposed system. More commonly known as cost/benefit analysis. It determines the benefits & savings that are expected from the proposed system & compare them with costs.
The system is economically feasible since it would not entail additional hardware, thereby savings on the costs & the manpower involved.
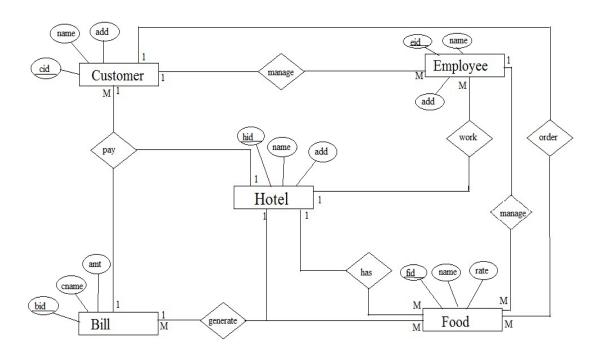
❖ Operational Feasibility:-
It is mainly related with the human factor. It checks the operating environment of the proposed system. Since the proposed system is computerized, it is finding that the system is very easy to use.
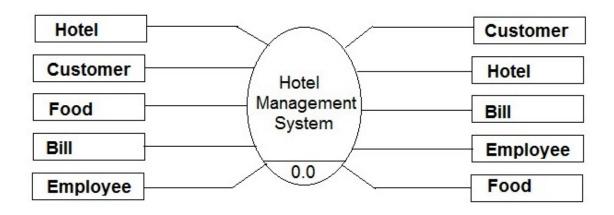The system is window based with appropriate entry & error messages, for every screen & hence the systems very user friendly. This user friendliness of the system results in simplicity in operations of the system. The retrieval of the information will be easier as all information is stored in the database.
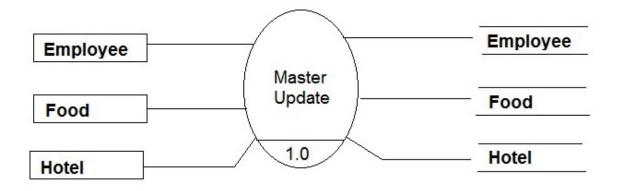
SYSTEM DESIGN

ERD

Data Flow Diagram

Hotel — Customer

Customer — Hotel

Food — Bill

Bill — Employee

Employee — Food

Hotel Management System
0.0

Employee — Employee

Food — Food

Hotel — Hotel

Master Update
1.0

Customer		Transaction Report		Customer	
Bill		2.0		Bill	

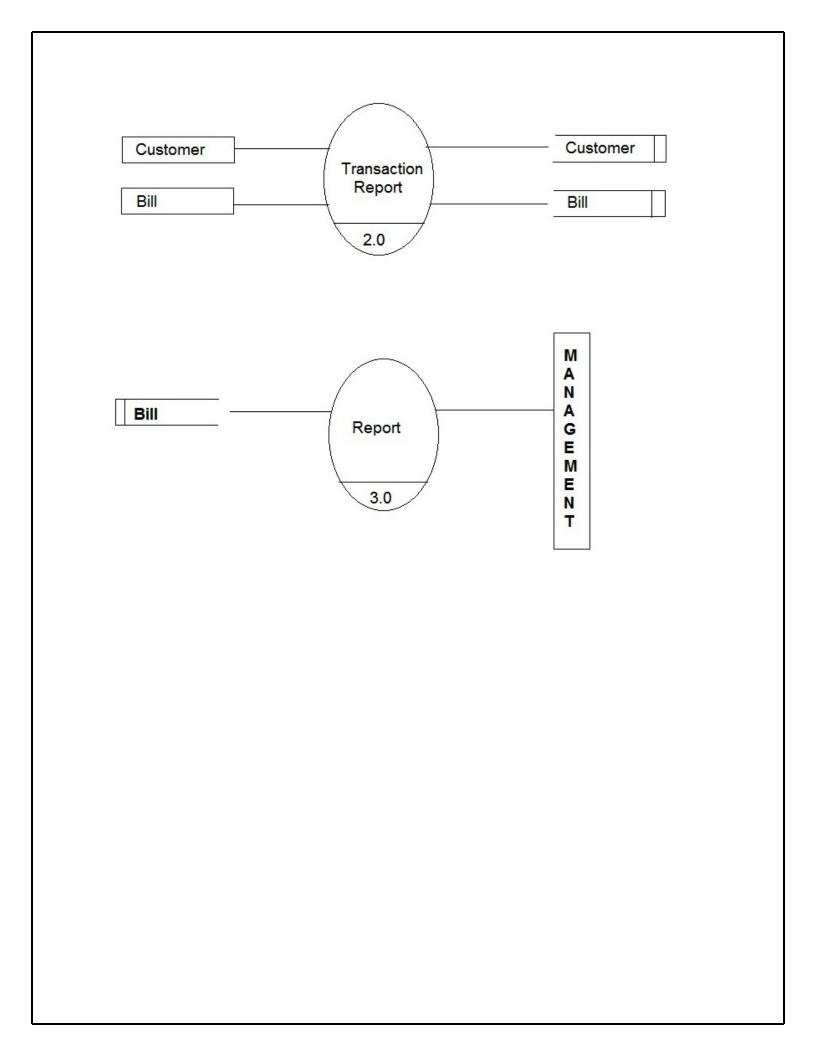| Bill		Report		M A N A G E M E N T
		3.0		

FILE DESIGN

1) Customer

SR No	Field Name	Datatype	Constraints
1	Id	Number	Primary key
2	Cname	Text	-
3	Cadd	Text	-
4	Ccont	Text	-
5	Cemail	Text	-

2)Employee

SR No	Field Name	Datatype	Constraints
1	Id	Text	Primary key
2	ename	Text	-
3	Eadd	Text	-
4	Econt	Text	-
5	edesig	Text	-

3)Food

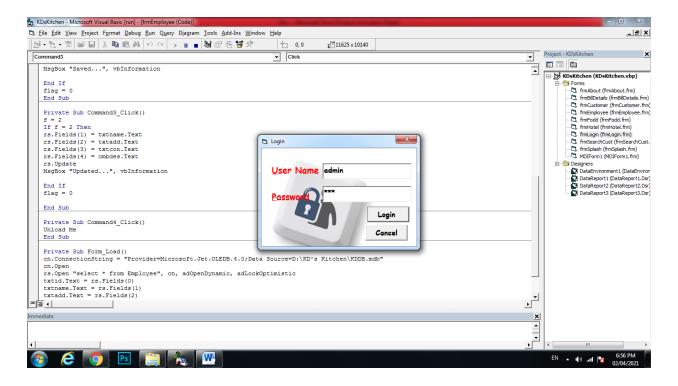| SR No	Field Name	Datatype	Constraints
1	Id	Number	Primary key
2	Ftyoe	Text	-
3	Fname	Text	-
4	rate	Number	-

4)Hotel

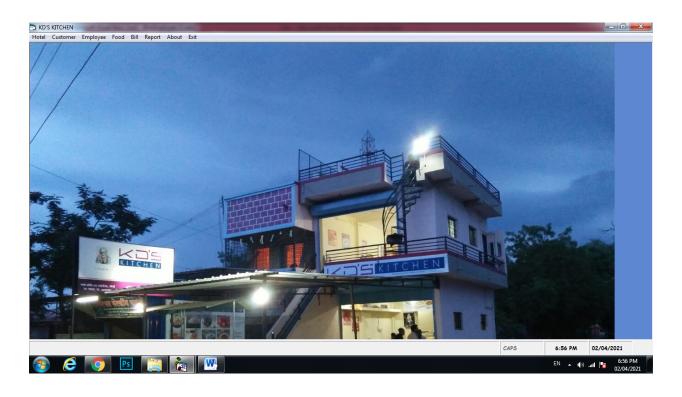| SR No	Field Name	Datatype	Constraints
1	Id	Number	Primary key
2	hname	Text	-
3	Had	Text	-
4	hcont	Text	-
5	hemail	text	-

5)CustomerBill

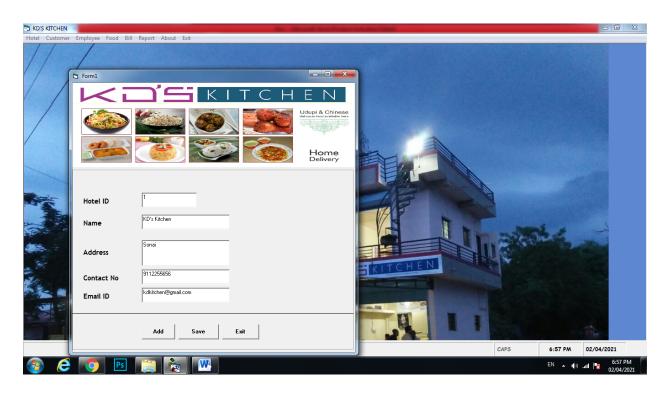| SR No	Field Name	Datatype	Constraints
1	Id	Number	Primary key
2	bdate	Date/Time	-
3	btime	Date/Time	-
4	Cid	number	Foreign Key
5	Prod1	Text	-
6	Qty1	Number	-
7	pric1	Number	-
8	Tot1	Number	-
9	Prod2	Text	-
10	Qty2	Number	-
11	Pric2	Number	-
12	Tot2	Number	-
13	Prod3	Text	-
14	Qty3	Number	-
15	Pric3	Number	-
16	Tot3	Number	-
17	totalamt	Number	-

Form Design

Login

MDI

Hotel

Customer

Employee

Food

Bill

Reports

Employee Details

Food Details

Food Details

Friday, April 02, 2021
19:04

Food ID	Food Type	Food Name	Rate
1	Chinese	Noodles	110
2	Chinese	Hakka Noodles	130
3	Chinese	Schezwan Noodles	90
4	Rice	Veg Pulao	90
5	Rice	Jeera Rice	70
6	Rice	Paneer Fried Rice	90
7	Rice	Kashmiri Pulao	80
8	Snacks	Medu Vada	30
9	Snacks	Special Vada	35

Customer Details

Bill Details

Friday, April 02, 2021
19:05

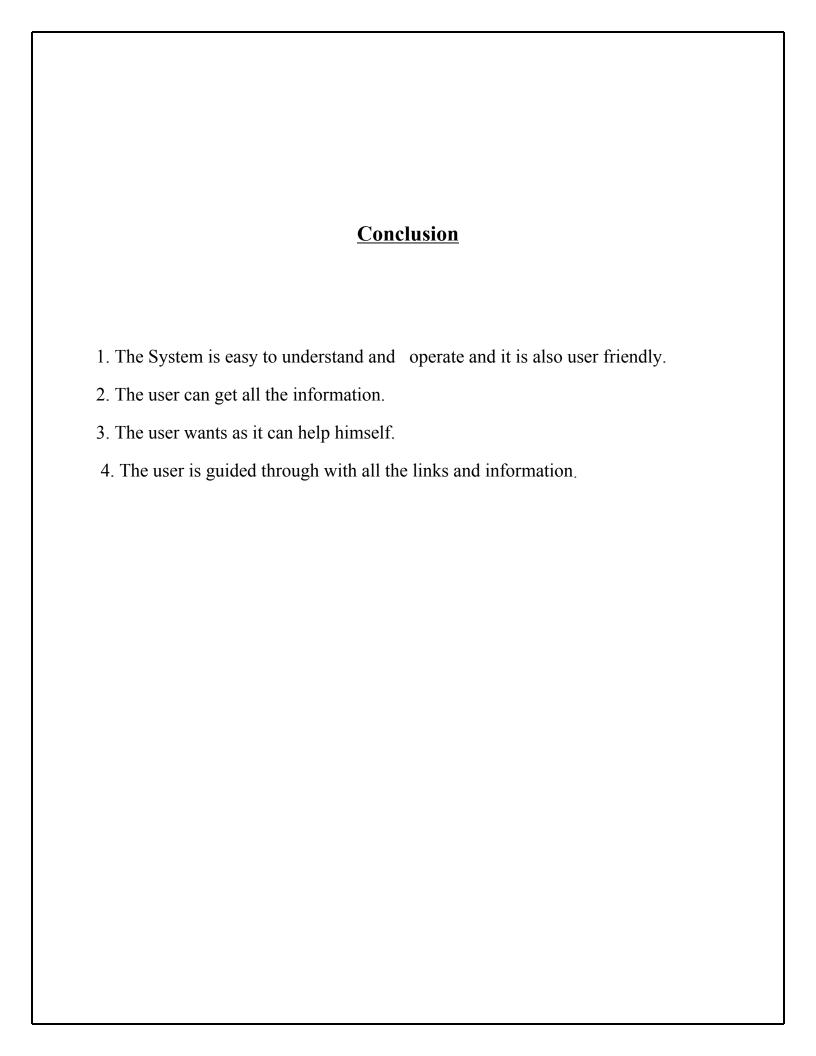| Bill ID	Date	Name	Food	Price	Food	Price	Food	Price	Total
1	06/10/2021	Arnav	Noodle	120	Veg	90	Jeera	70	280
2	08/10/2021	Santosh	Schezw	90	Kashmiri	80	Veg	90	450
3	14/10/2017	Rahul	Medu	30	Uthappa	70	Jeera	70	240
4	14/10/2017	Rahul	Kashmi	80	Veg	90	Jeera	70	310
5	15/10/2017	Ashok	Paneer	90	Masala	70	Special	35	230
6	23/10/2017	Rahul	Jeera	70	Veg	90	Jeera	70	300
7	06/10/2021	Amar	Hakka	130	Veg	90	Jeera	70	290

LIMITATIONS:-

➢ Time consuming.

➢ Large amounts 0f records are to be kept are difficult to store safely.

➢ Paper work is very tedious, report production is very slow.

➢ More man power required .due to all this reasons we are moving for proposed system.

Conclusion

1. The System is easy to understand and   operate and it is also user friendly.

2. The user can get all the information.

3. The user wants as it can help himself.

 4. The user is guided through with all the links and information.

Future Enhancement

The system can be made more users friendly and reliable by implementing some advantages in our system by providing following facilities:

- The system can be extended in multi-user system in future.
- Also various other reports as per requirements can be added on user request in future.
- Provision of Bills receipt for Customer in printed format.
- Provision of online help for user.

Reference

1) The complete Reference VB6

                    -Noel Jerke

2) ADO Programming in Visual Basic 6

                    -Steven Holzner