

A
PROJECT REPORT
ON
“Cake Shop Billing System”
AT
SUBMITTED TO
“SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE”
IN PARTIAL FULFILLMENT OF
BACHELOR OF BUSINESS ADMINISTRATION
(COMPUTER APPLICATION) /BCA
SUBMITTED BY
MR. Dighe Ashit Jijabhau
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UNDER THE GUIDANCE OF
PROF- Parad S.R



DEPARTMENT OF BUSINESS ADMINISTRATION (BBA-CA)
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COLLEGE, SANGAMNER, DIST.AHAMEDNAGAR
CLASS:-TYBBA(CA) (Sem-VI) ACADEMIC YEAR 2020-21



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CERTIFICATE

This is to certify that the project entitled **“Cake Shop billing System”**

Submitted in partial fulfillment of the requirement of Bachelor Degree in Business Administration BBA (CA), Savitribai Phule Pune University, Pune and embodies the bonafide work carried out by **Mr. Dighe Ashit Jijabhau , Miss. Pansare Vrushali Keshav.**

We find that the work is complete, comprehensive and of significantly appropriate Standard to warrant its presentation for the purpose of BBA (CA) examination.

This is his original work carried out under the guidance and supervision of project guide.

Prof. Guide Name

(Project Guide)

Prof. Khemnagar. T. T.

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Internal Examiner

External Examiner

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1. INTRODUCTION

1.1 Introduction To System:

The **Cake Shop Billing System** is a standalone application which is based on ordering and selling the cake and other items and generating bill. The main principle behind the need of **Cake Shop Billing System** is easy supervision of shop. It has user friendly and modular approach. The modular approach of the software increases the flexibility of the software.

Data storing is easier. It will be able to check any report at any time. Paper work and manual work is reduced. The system is user friendly and easy to use. The record of each customer is stored that is customer's name and contact details are added for reference. Next the item is selected , flavours , pounds and quantity is also added.

At the end of the day, report is generated to calculate the payment for each user in each day.

1.2 Company profile:

- » **Project Name:** Cake Shop Billing System.
- » **Name of The Shop:** Sai Seva Cake Shop .
- » **Phone no:** 8806578051
- » **Address :** A/p Jorve ,Tal. Sangamner, Dist. Ahmednager

1.3 Scope Of The System:

- We have designed this computerized System to maintain the transaction details of shop to the load and the mistakes occurred while maintaining such a detail in written format.
- The customers register with their details.
- Maintain inventory, Sales & Purchase details of Products are generally a highly regulated task.
- Provided information about the product in categories.
- Customers are provided with up to date information.

1.4 Proposed System:

In our proposed system we have the provision for generating bill. Another advantage of the system is that it is very easy to calculate the total amount. Here is no facility of internet connection, email facility is also not provided. Online ordering is not possible

Characteristics of the proposed system

By developing the system, we can attain the following facilities:

1. User friendly :

The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

2. Reports are easily generated:

Reports can be easily generated in a proposed system. So any type of reports can be generated in a proposed system, which helps the shop owner in a decisions-making activity .

3. No or very few paper work:

The proposed system either does not require paper work or very few paper works are required. All the data is inserted into the computer immediately and bills and reports can be generated through computers.

4. Computer operator control:

Computer operator control will be there no errors. Moreover storing and retrieving of information is easy. So work can be done speedily and in time.

1.4 Need Of System:

- This software is needed because of the data.
- Data is becoming too much that it can't be handled with the file system approach.
- Because this software is able to handle a very large amount of data.
- So one should not worry about the data because it is stored in a data base.

1.5 Objective Of System:

In This System Main Objectives Are Following: -

1.Editing Accounts

User Can Open the Old Account and Edit the Information In case Of Changes.

2. No Paper Work

No Need Of Paper Work Because All the Work Done Through the Computer.

3. Fast Results

Since All the Information Can Be Access on The Click of The Mouse So Work Will Be Fast. Any Record Can Easily Find.

4. Save Time

With the Help of This Project Most Time Is Save.

2. SYSTEM ANALYSIS

2.1 Fact Finding Techniques:

To study the any system the analyst needs to do collect facts and relevant information. The facts when expressed in quantitative form are termed as data. The success of any project is depending upon the accuracy of available data. Accuracy information can be collected with the help of certain methods / techniques. These specific methods for finding information of the System are termed as fact finding techniques. Interview, Questionnaire, Record view and Observations are the different fact-finding techniques used by the analyst. The analyst may use more than one technique for investigation.

Tools used for information Gathering as Follows:

1) Record View:

The information related to the system is published in the source like newspaper, magazines, journals, documents etc. This record view helps the analyst to get valuable information about the system and the organization.

2) Observation:

Unlike the other fact-finding techniques, in this method the analyst himself visit the organization and observes and understand the flow of document, working of the existing system, the users of the system etc. For this method to be adopted it takes an analyst to perform the job as he knows which points should be noticed and highlighted. In analyst may observe the unwanted things as well as and simply cause delay in the development of the new system.

3) Interview :

This method is used to collect the information from group or individuals. Analyst selects the people who are related with the system for the interview; in

this method the analyst sits face to face with the people and records their responses. The interviewer must plan in advance the type of questions he /she going to ask and should be ready to answer any type of question. He should also choose a suitable place and time, which will be comfortable for the respondent.

4) Questionnaire :

It is the technique used to extract information from number of people. This method can be adopted and use only by skill full analyst. The Questionnaire consists of series of questions framed together in local manner. The questions are simple, clear and to the point. This method is useful for attaining information from people who are concerned with the uses of the system and who are living in different countries. The questionnaire can be mailed or send to people by post. This is the cheapest source of fact finding.

2.2 Feasibility Study:

Feasibility Analysis is an important phase in the software development process. It enables the developer to have an assessment of the product being developed. It refers to the feasibility study of the product in terms of outcomes of the product, operational use and technical support required for implementing it.

Feasibility study should be performed on the basis of various criteria and parameters. The various feasibility studies are:

- Economic Feasibility
- Operational Feasibility
- Technical Feasibility

1. Economic Feasibility:

It refers to the benefits or outcomes we are deriving from the product as compared to the total cost we are spending on the product.

If the benefits are more or less the same as the older system, then it is not feasible to develop the product. In this product if we have developed this application then the amount of time spent in sending alumni registration will be reduced which indirectly increases the production for the company.

2. Operational Feasibility:

It refers to the feasibility of the product to be operational. Some products may work very well at design and implementation but may fail in the real time environment. It includes the study of additional human resource required and their technical expertise.

3. Technical Feasibility:

It refers to whether the software that is available in the market fully supports the present application. It studies the pros and cons of using particular software for the development and its feasibility. It also studies the additional training needed to be given to the people to make use of this application. If we train our staff for one hour then it will be enough to work with application.

2.3 Hardware & Software Requirement:

1. Hardware Requirement:

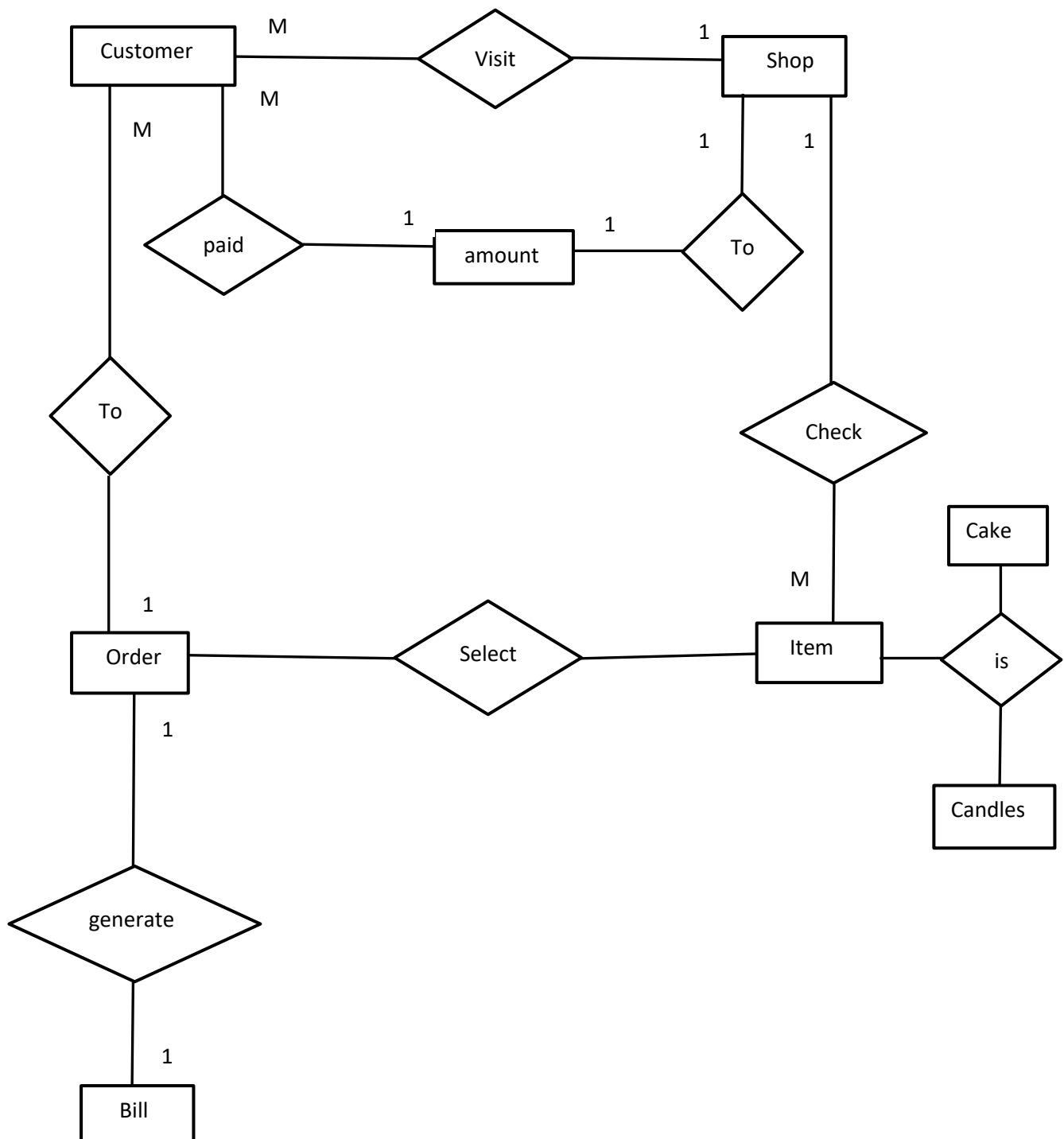
- » Processor : Intel i3
- » RAM: 4 GB
- » Hard disk: 500GB

2. Software Requirement:

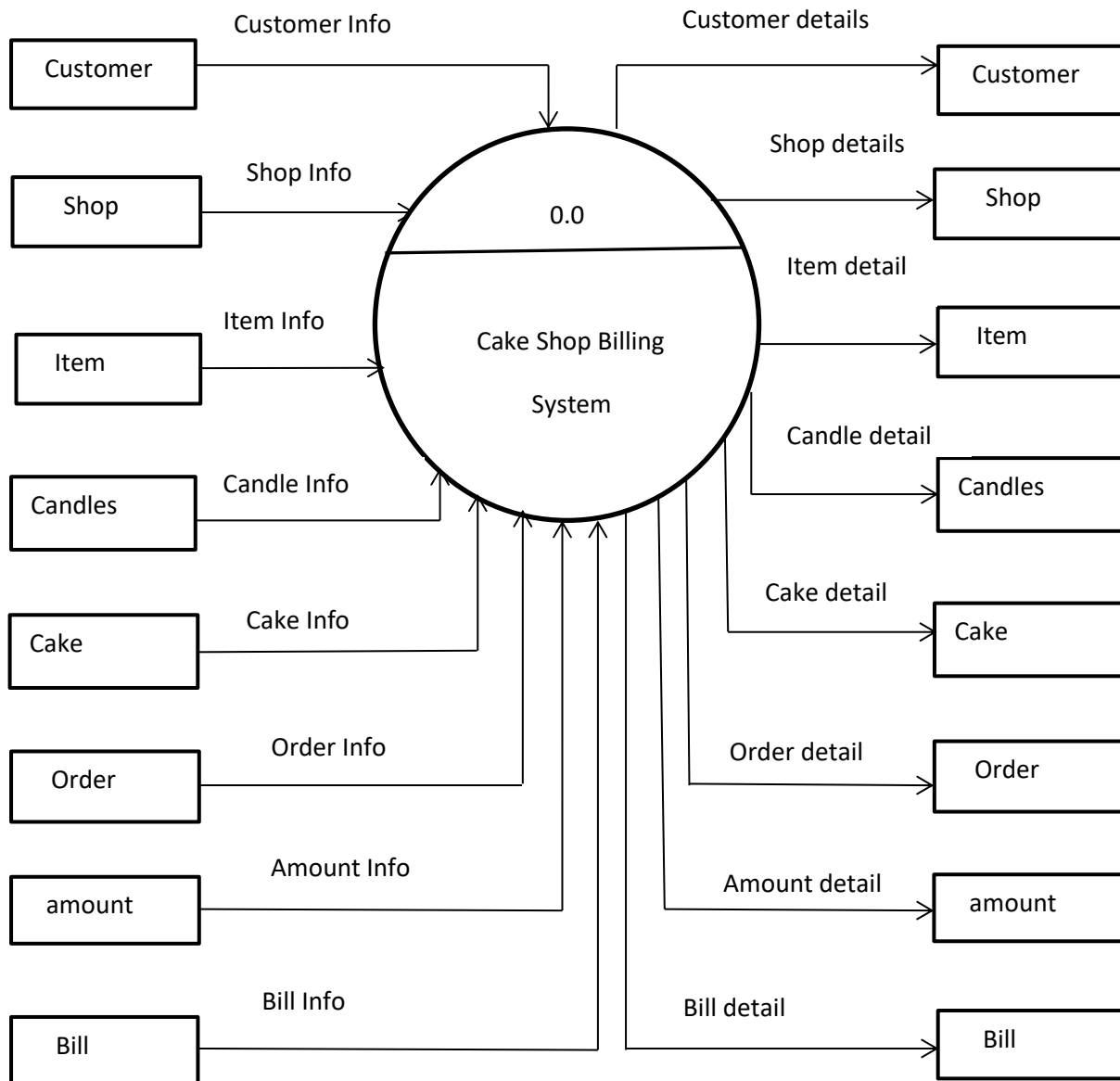
- » Operating System : Windows 10
- » Front End : VB.Net
- » Back End : SQL Server

3. SYSTEM DESIGN

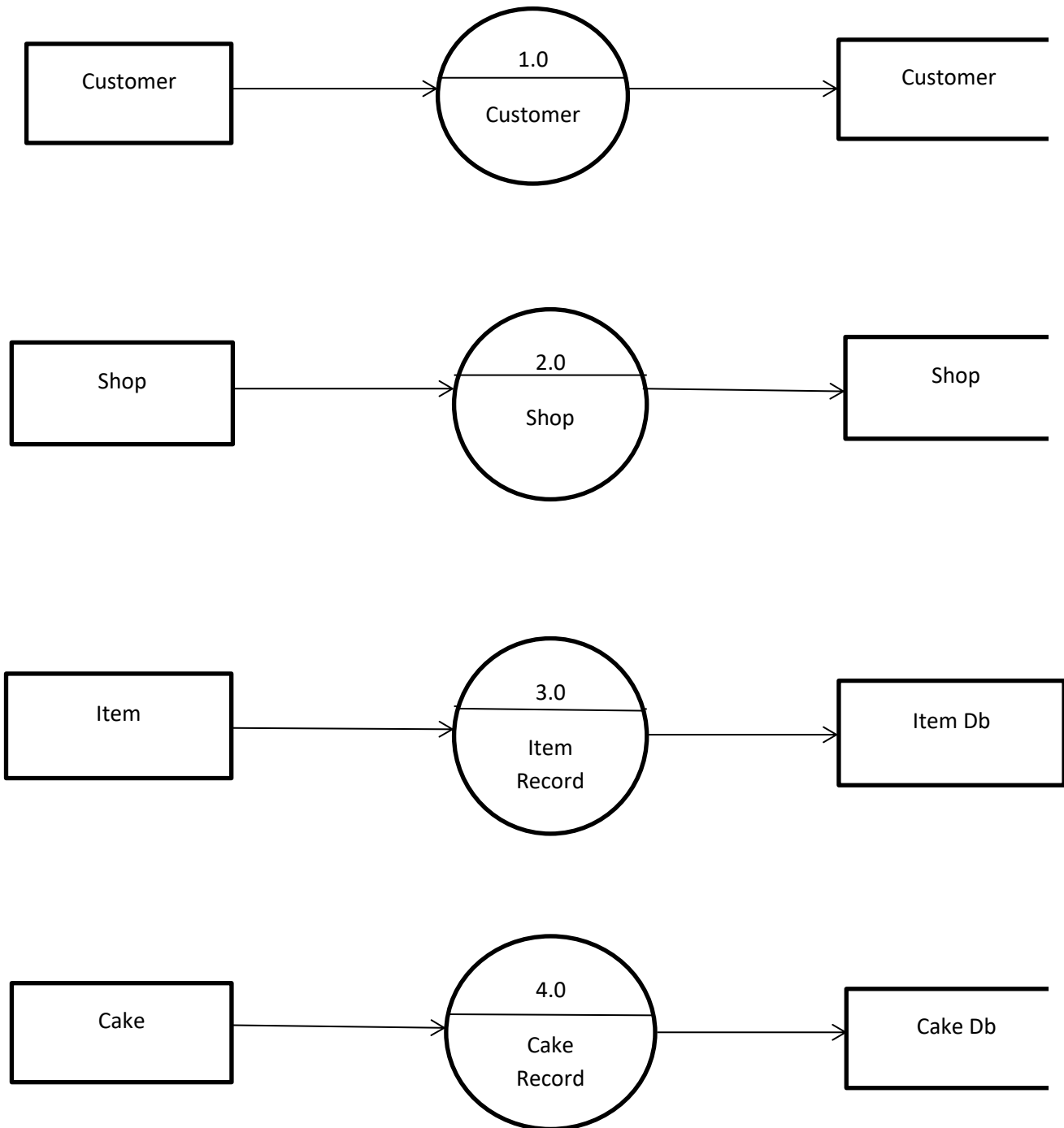
3.1 E-R Diagram:

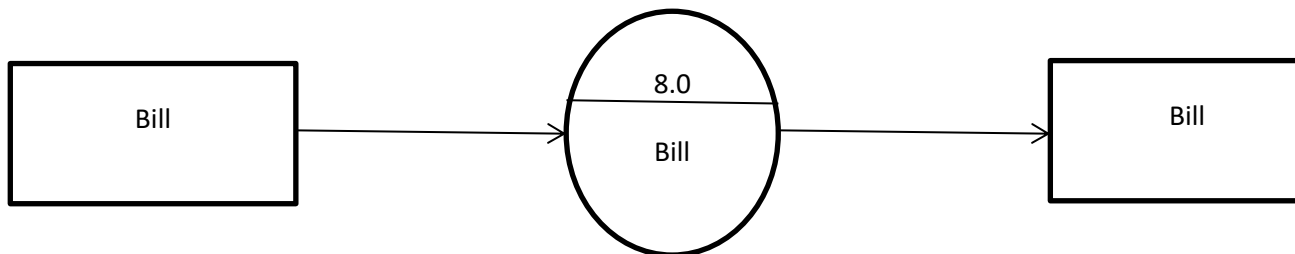
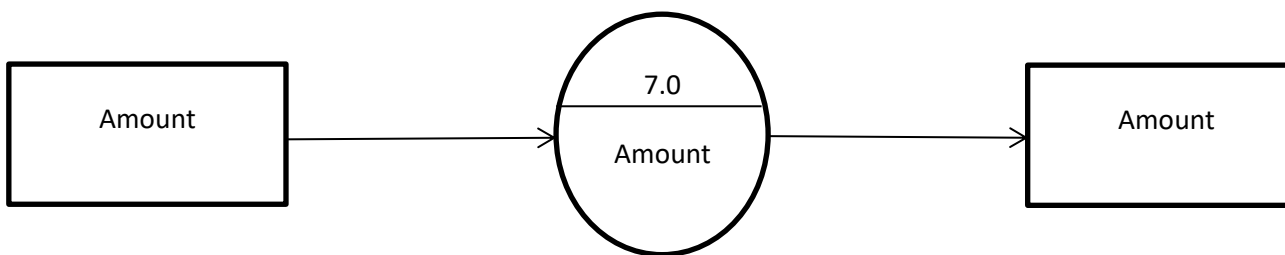
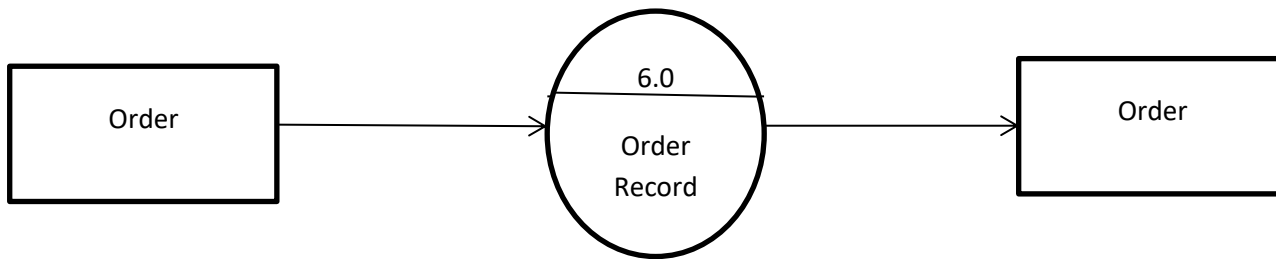
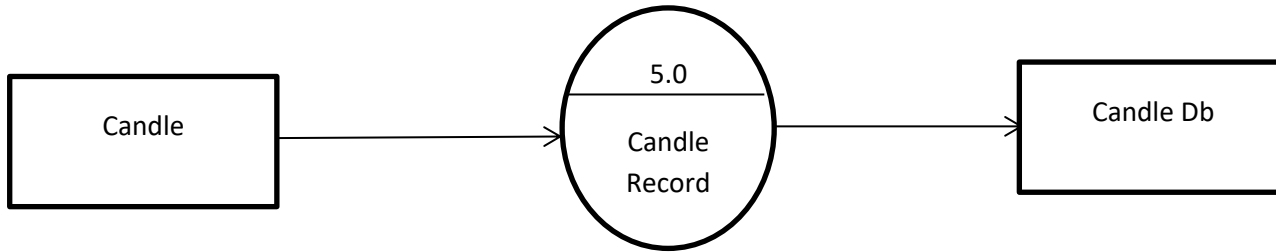


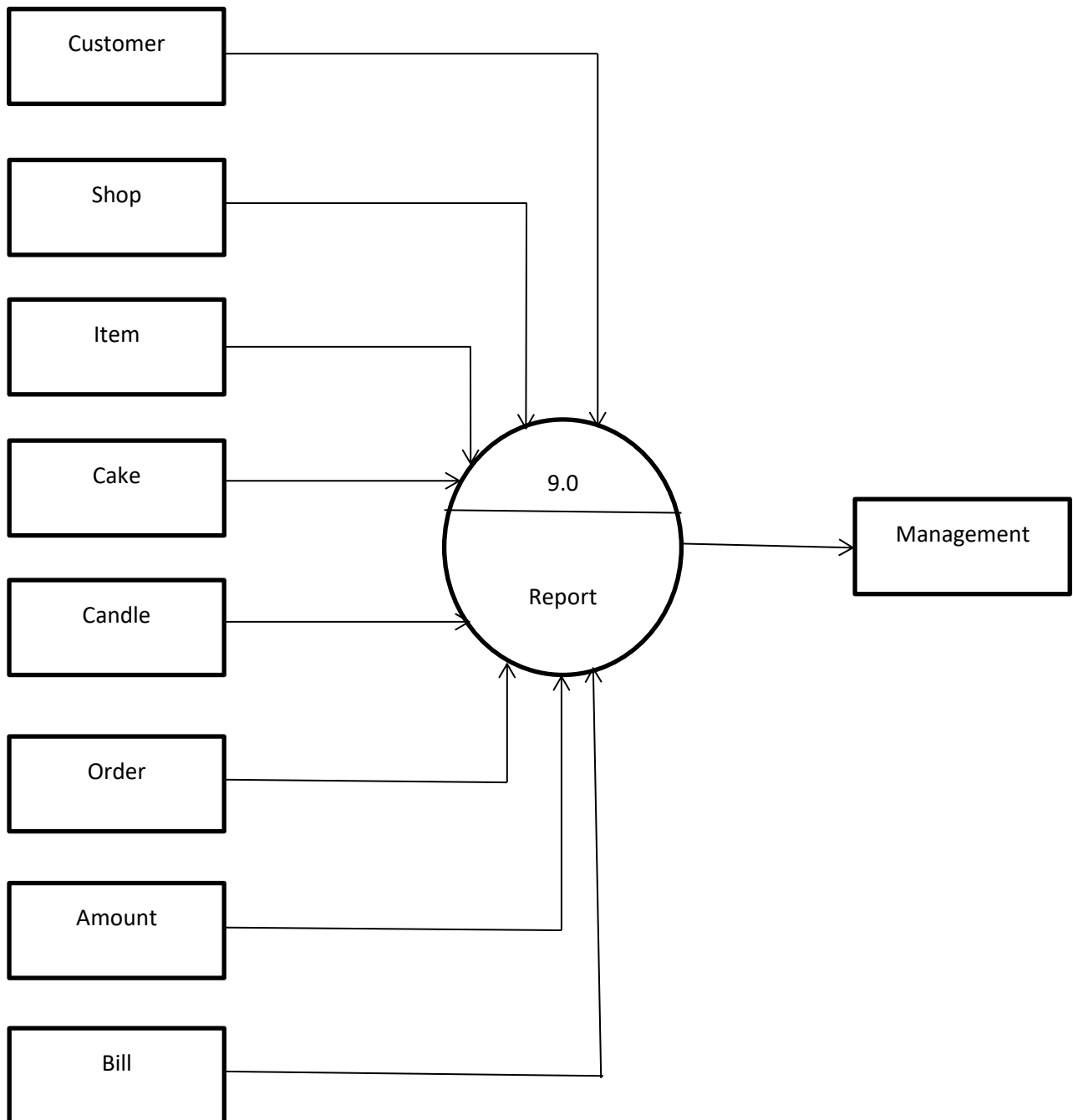
3.2 Context Level Diagram(CLD):



3.3 First Level DFD:







3.4 Database Design (File Design):

Cake Details:

Sr. No	Data Field	Data Type	Size	Constraints
1	Item No	Integer	10	Primary key
2	Category	Text	20	Not Null
3	Flavour	Text	30	Not Null
4	Price	Integer	10	Not Null

Candle Details:

Sr. No	Data Filed	Data Type	Size	Constraints
1	C-No	Integer	10	Primary Key
2	Candle Name	Text	30	Not Null
3	Price	Integer	10	Not Null

Order Details:

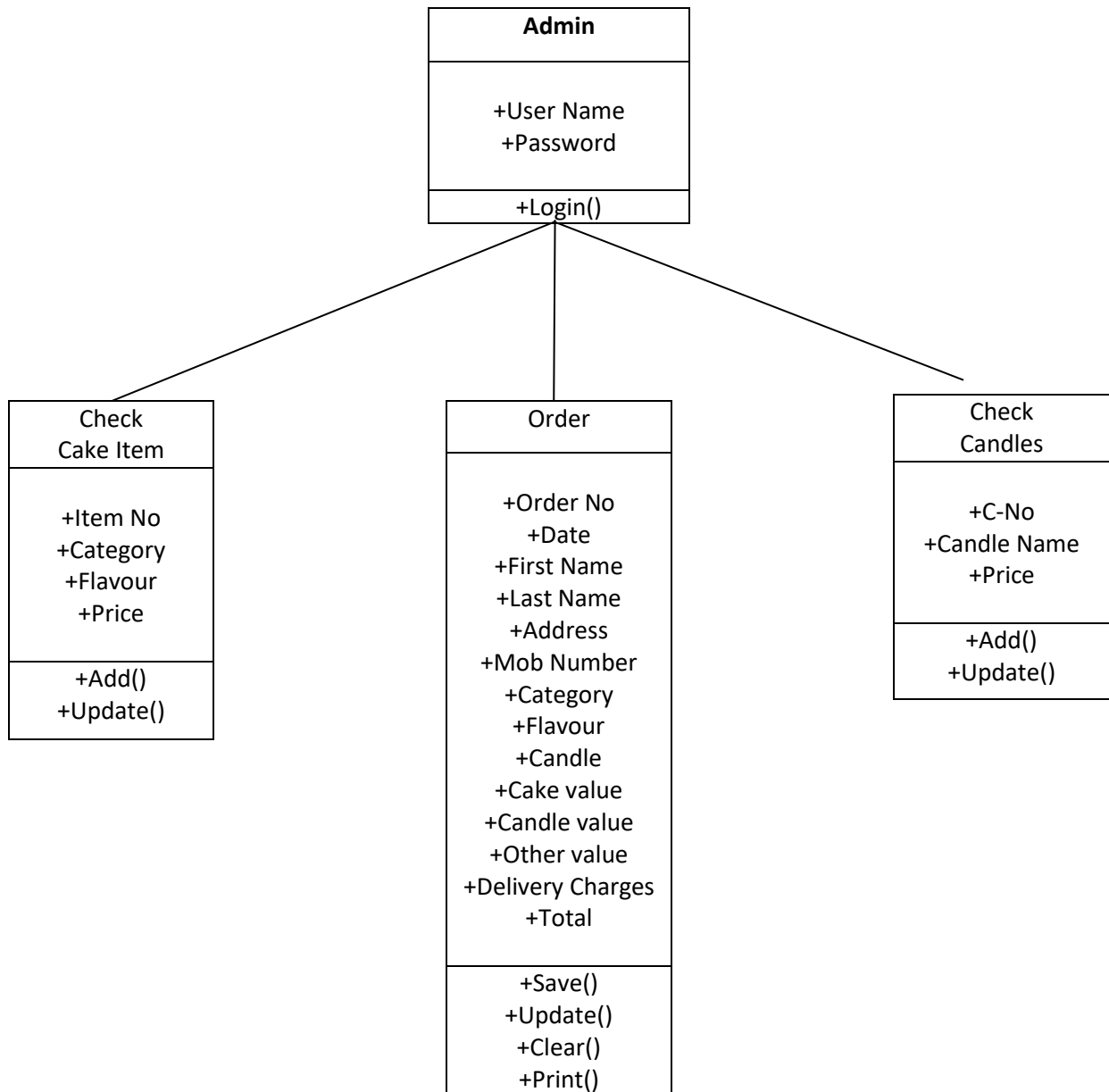
Sr. No	Data Field	Data Type	size	Constraints
1	Order No	Integer	10	Primary
2	Data	Data	10	Not Null
3	First Name	Text	20	Not Null
4	Last Name	Text	20	Not Null
5	Address	Text	35	Not Null
6	Mob Number	Integer	10	Not Null
7	Category	Text	20	Not Null
8	Flavours	Text	30	Not Null
9	Candle	Text	30	Not Null
10	Cake Value	Integer	10	Not Null
11	Candle Value	Integer	10	Not Null
12	Other Value	Integer	10	Not Null
13	Delivery Charges	Integer	10	Not Null
14	Total	Integer	10	Not Null

3.5 Data Dictionary:

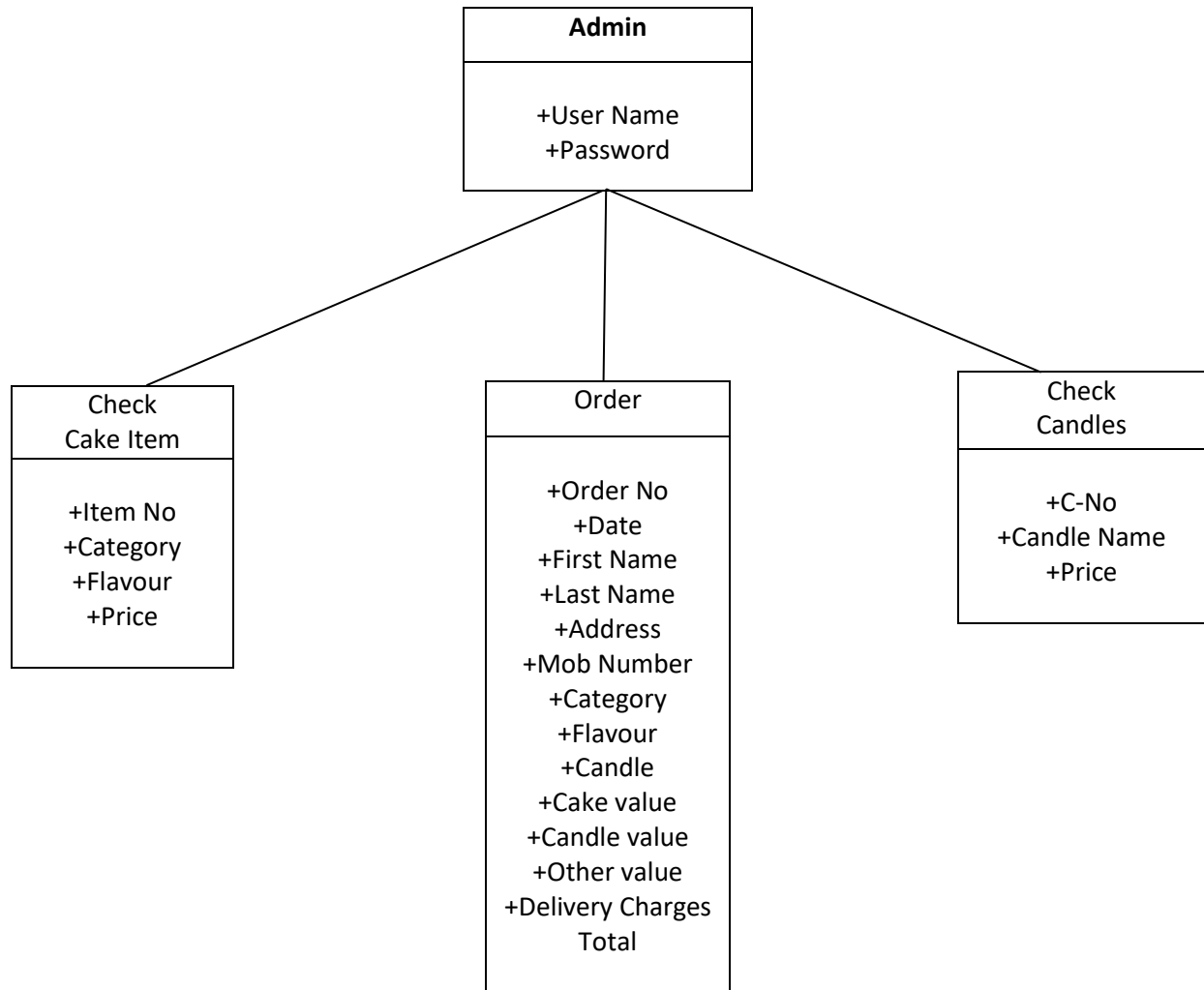
Sr. No	Data Field	Data type	Size	Description
1	Item No	Integer	10	Item No
2	Category	Text	20	Category
3	Flavour	Text	30	Cake Flavour
4	Price	Integer	10	Cake price
5	C-No	Integer	10	Candle No
6	Candle Name	Text	30	Candle Name
7	Price	Integer	10	Candle Price
8	Order No	Integer	10	Order No
9	Date	Date	10	Dates
10	First Name	Text	20	Customer First Name
11	Last Name	Text	35	Customer Last Name
12	Address	Text	10	Customer Address
13	Mob Number	Integer	20	Customer Mob-No
14	Category	Text	30	Category-Cake
15	Flavour	Text	30	Cake Flavour
16	Candle	Text	10	Candle Name
17	Cake Value	Integer	10	Cake Price
18	Candle Value	Integer	10	Candle Price
19	Other Value	Integer	10	Other Item Price
20	Delivery Charge	Integer	10	Delivery Charges
21	Total	Integer	10	Total Amount

4. UML DIAGRAM

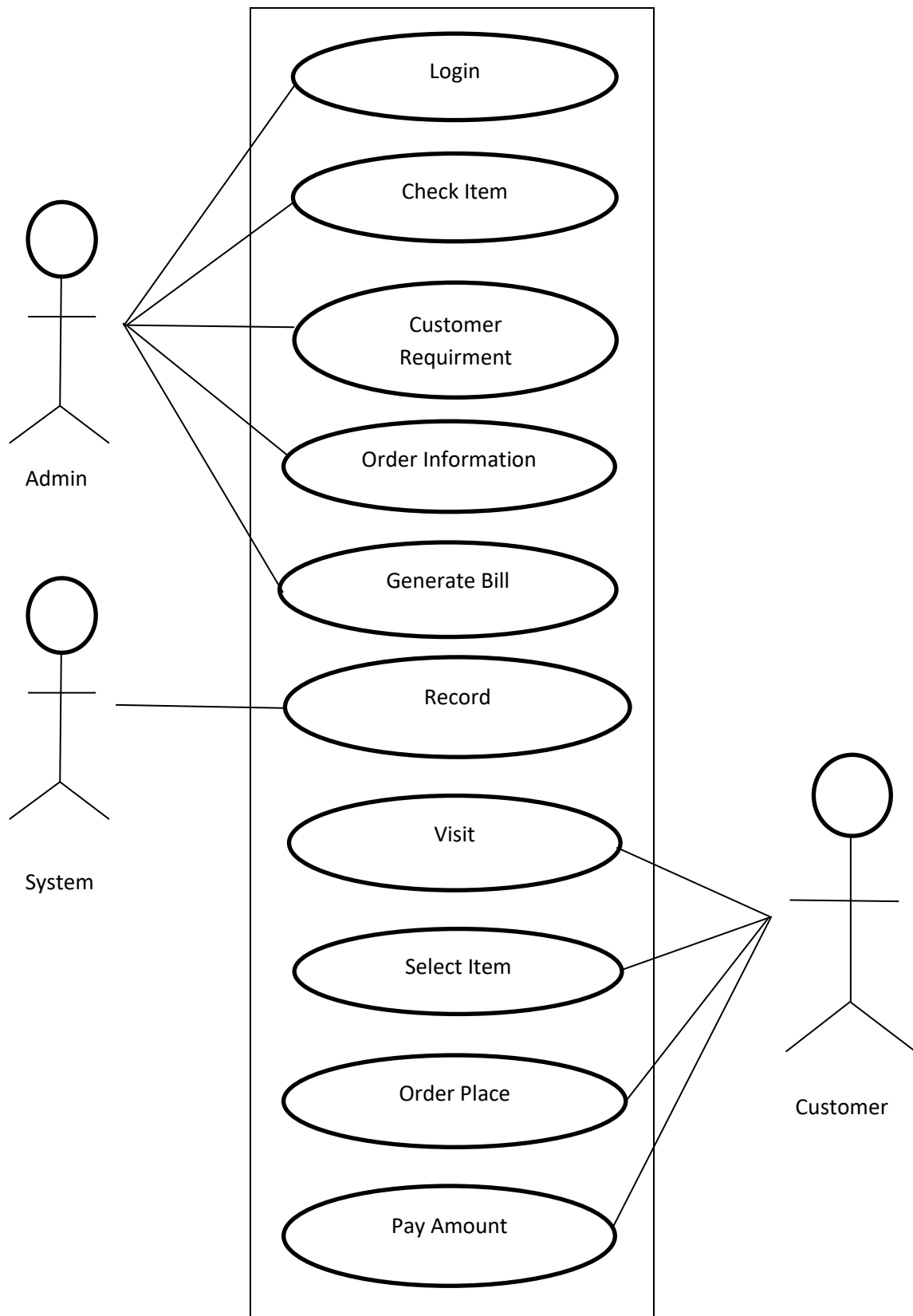
4.1 Class Diagram:



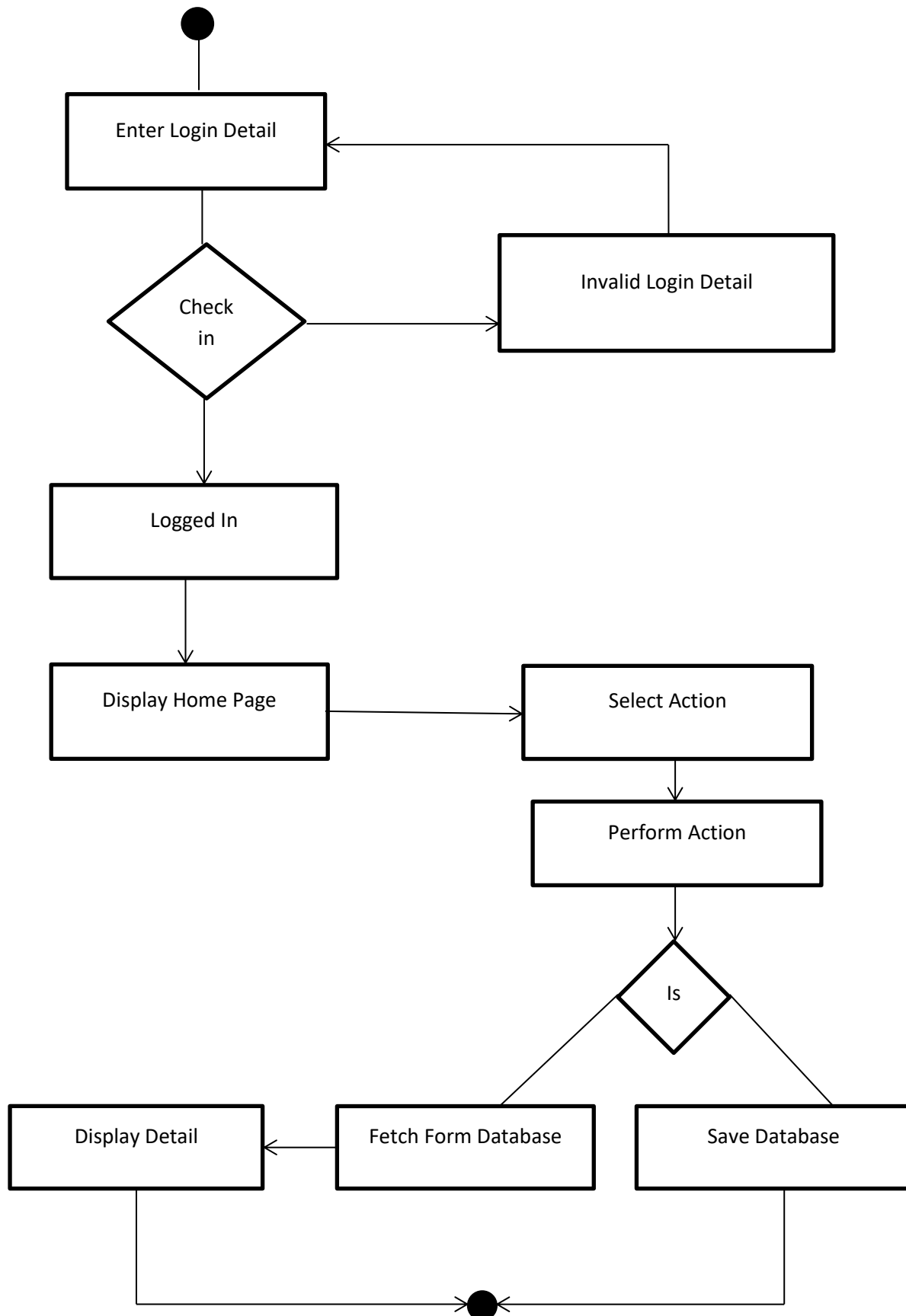
4.2 Object Diagram:



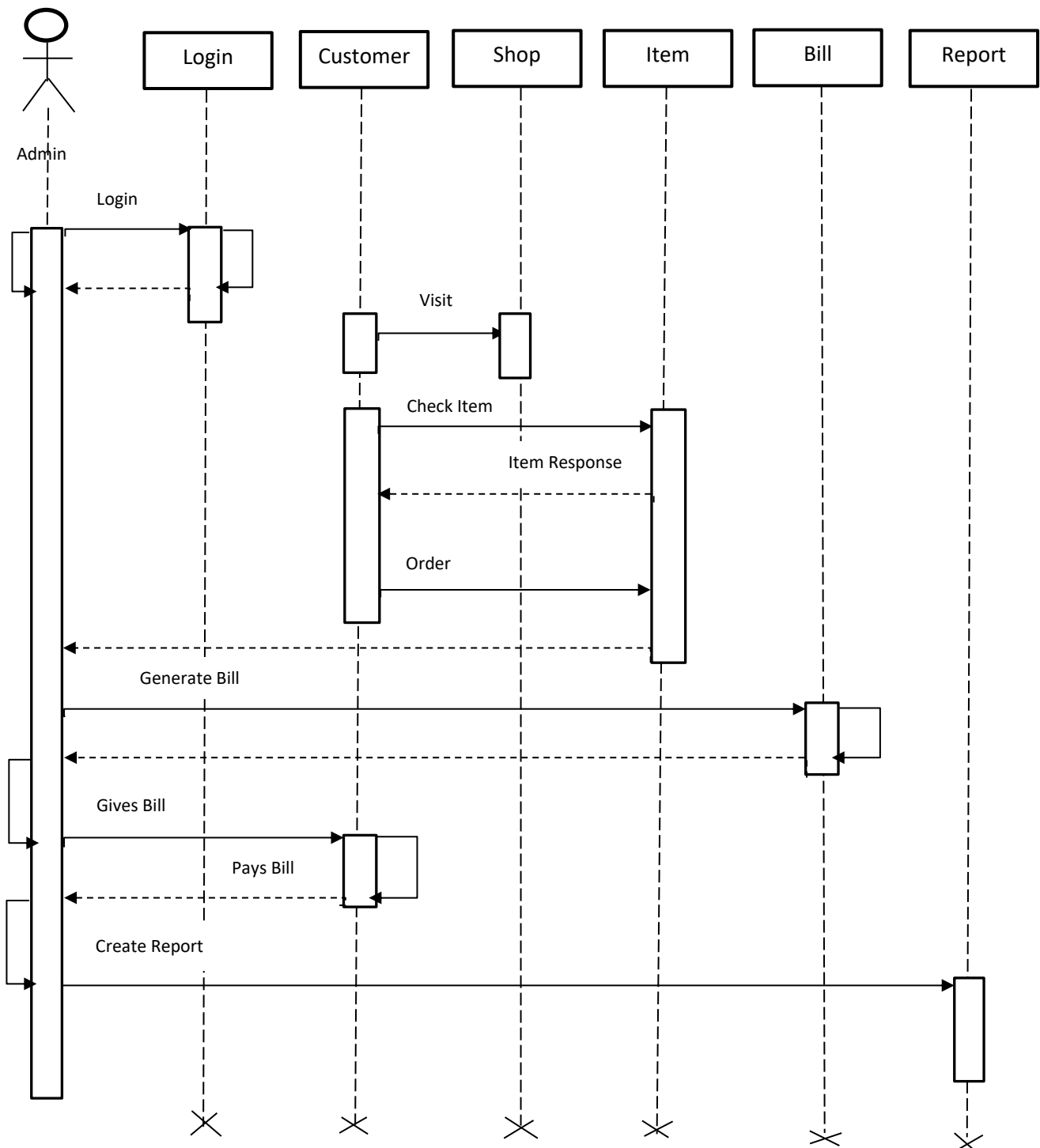
4.3 Use Case Diagram:



4.4 Activity Diagram:



4.5 Sequence Diagram:



5. FORM DESIGN(With Input Screen)

1. Login Form:

The image shows a web-based login interface. The main window is titled "Login Panel - MDMS". It contains a message "Please Login to continue. ." in red. Below this are input fields for "Username" (containing "Admin") and "Password" (containing "*****"). There are "Login" and "Reset" buttons. To the right of the form is a decorative image of a cake. A small dialog box is open on the right, displaying "Welcome Admin" and an "OK" button.

Login Panel - MDMS

Please Login to continue. .

Username : Admin

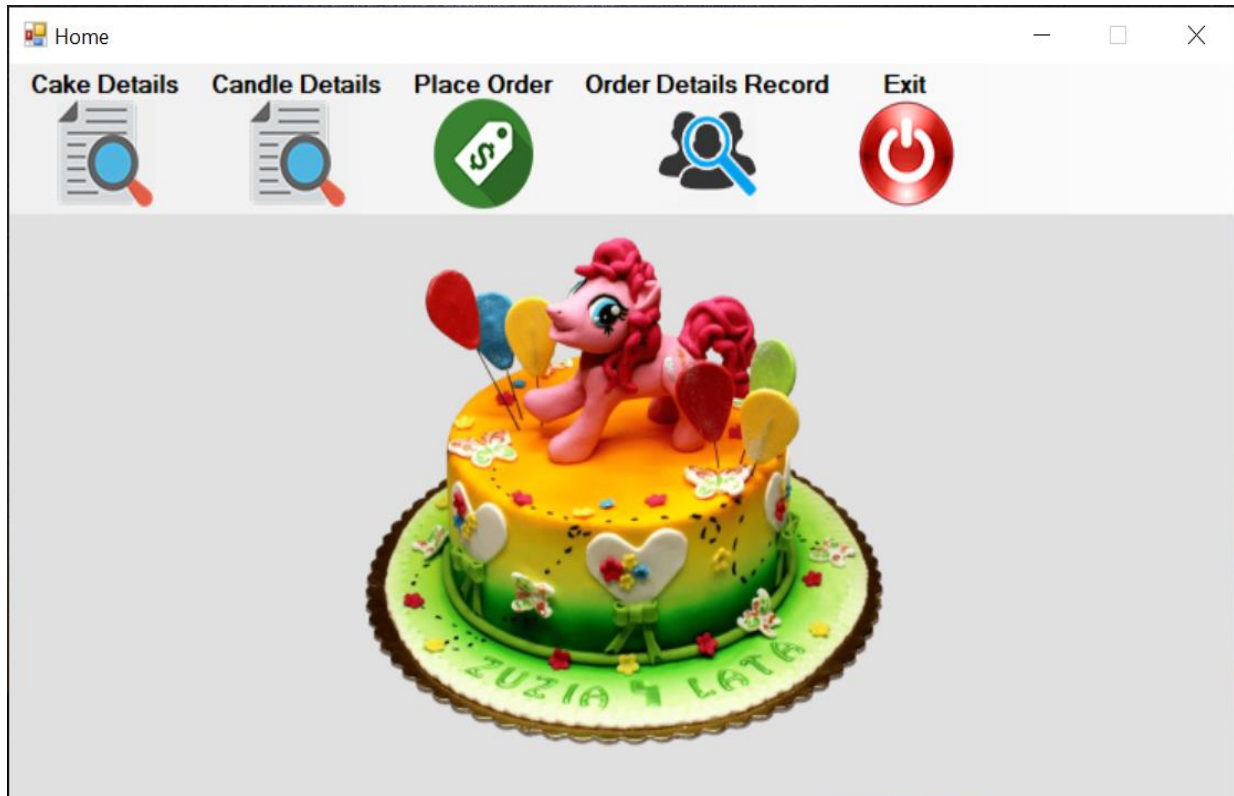
Password : *****

Login Reset

Welcome Admin

OK

2. Main Form:



3. Cake Details Form:

ItemDetails


Cake Details

ItemNo: 12

Category: Cake

Flavour: Vanilla-1KG

Price: 700




Details Inserted Successfully..

	ItemNO	Category	Flavour	
	6	Cake	Pineapple-1KG	500
	7	Cake	WhiteForest-500gram	300
	8	Cake	WhiteForest-1KG	600
	9	Cake	BlackForest-500gram	300
	10	Cake	BlackForest-1KG	600
	11	Cake	Vanilla-500gram	350
*				

4.Candle Details Form:

CandlesDetails

Candles Details



C_No

Candles Name

Price

	C_No	CandleName	
▶	1	SSKR Wax Candle-10piece	
	2	Magic Relighting candles-5	
	3	Colored Flame Candle-5piece	150
	4	Candle Star Sticks Desing	225
	5	Twisty Gold Long Stick Candles	120
*			

Candle Details Inserted Successfully..

5. Order Form:

OrderForm

Sai Seva Cake Shop

Customer Details	Order Details
Date: 08 June 2021	OrderNo: 6
First Name: Vrushali	Category: Cake
Last Name: Pansare	Flavours: WhiteForest-500gram
Address: Sangamner	Candles: Twisty Gold Long Stick Candles
Mob Number: 8421195389	

Total

CakeValue	300
CandlesValue	120
OtherValue	20
Delivery Charges	40
Total	480

Order Inserted Successfully


Save

Update Print Clear

6. Order Details Form:

OrderDetailsRecord

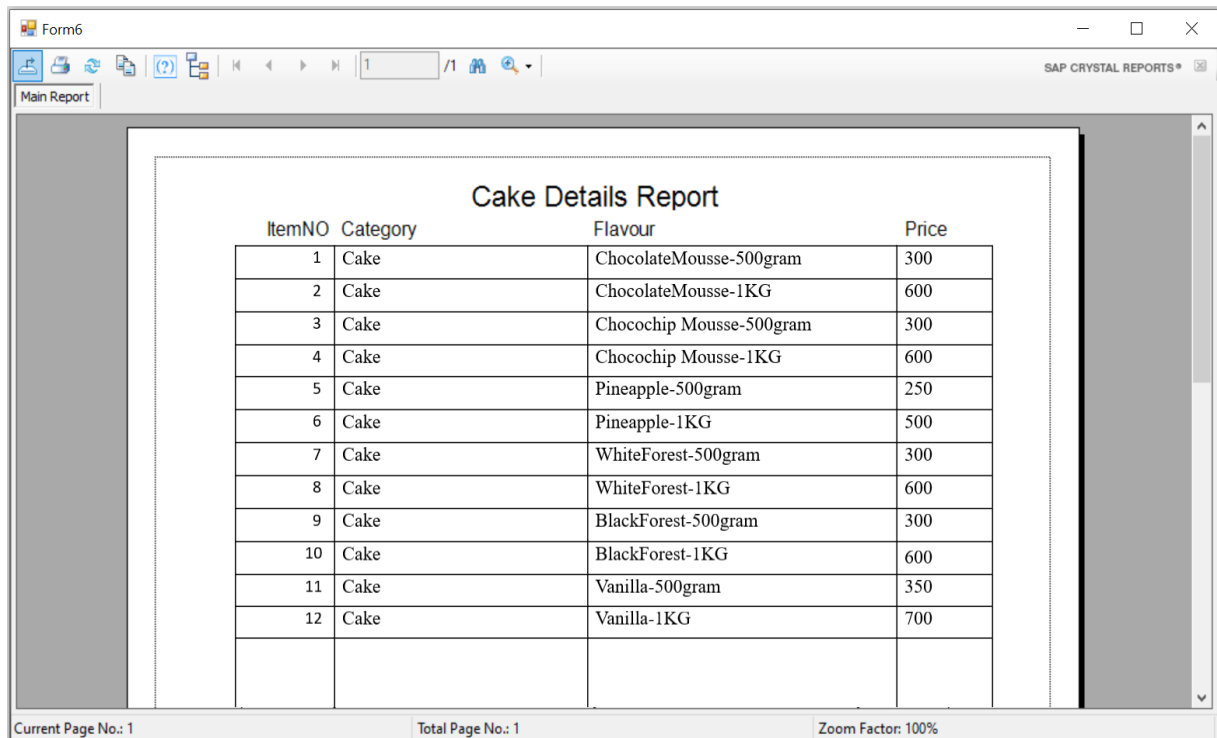
Order Details



	OrderNo	Date	First Name	Last Name	Address	MobNum	Category	Flavours	Candle	CakeValu	CandleVa	OtherValu	DeliveryV	Total
▶	1	07 Jun...	Ashit	Dighe	Jorve	70382...	Cake	BlackF...	Happy ...	600	150	0	0	750
	2	07 Jun...	Vrushali	Pansare	Sanga...	34567...	Cake	Chococ...	Colored...	300	150	30	0	480
	3	07 Jun...	Pratik	Kavitate	Sanga...	83084...	Cake	Pineap...	Candle ...	500	225	0	0	725
	4	08 Jun...	Rohit	Jadhav	Sanga...	97663...	Cake	Chococ...		600	0	0	0	600
	5	08 Jun...	Vrushali	Pansare	Sanga...	84211...	Cake	Vanilla...	SSKR ...	350	90	50	30	520
	6	08 Jun...	Vrushali	Pansare	Sanga...	84211...	Cake	WhiteF...	Twisty ...	300	120	20	40	480
	7	08 Jun...	Saurabh	Goadse	Akole	24411...	Cake	Pineap...	Colored...	250	150	0	0	400
	8	09 Jun...	Vishal	Pawar	Ganore	45678...	Cake	Chocol...	Happy ...	600	150	0	50	800
	9	09 Jun...	Vikas	Nikam	Jorve	45678...	Cake	BlackF...	Twisty ...	600	120	0	0	720
	10	09 Jun...	Ashit	Dighe	Jorve	70382...	Cake	BlackF...	Magic ...	300	55	0	0	355
	11	09 Jun...	Pratik	Kavitate	sanga...	34567...	Cake	BlackF...	Twisty ...	600	120	0	0	720

6. DATA REPORT(With Output Screen)

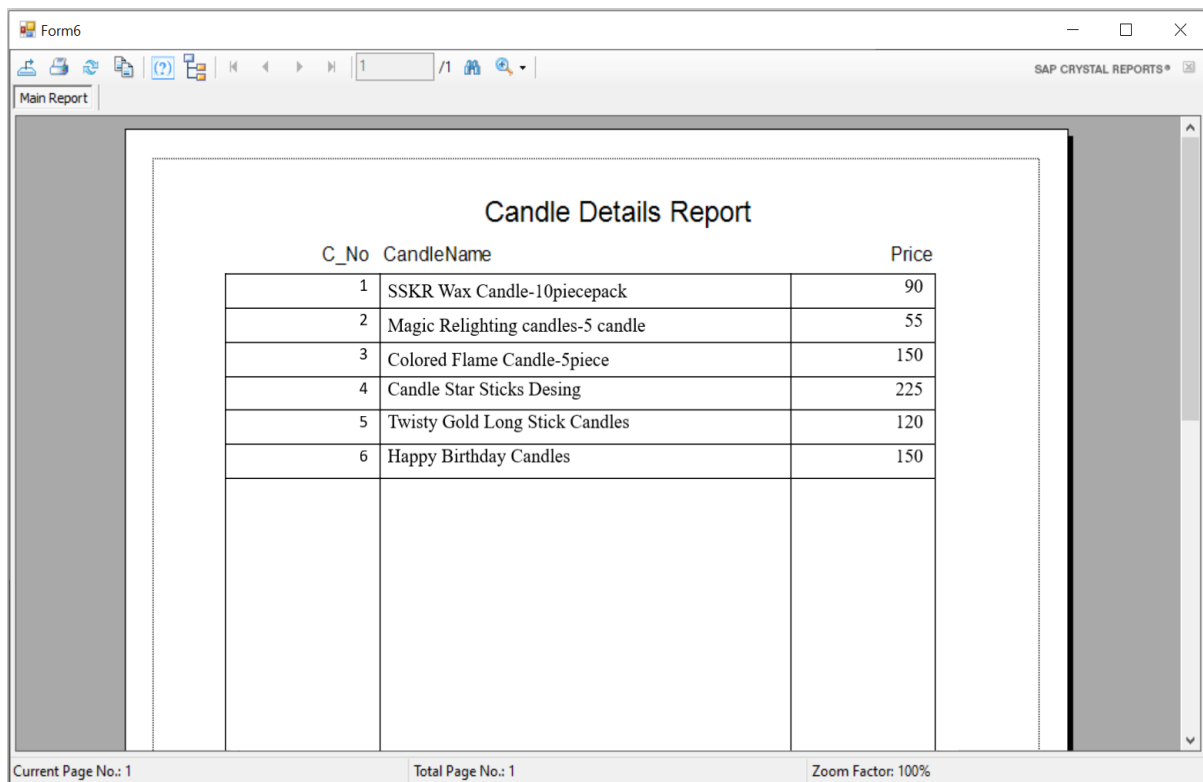
1. Cake Details Report:



The screenshot displays the SAP Crystal Reports output screen. The window title is 'Form6'. The report is titled 'Cake Details Report'. The table contains 12 rows of cake items with columns for ItemNO, Category, Flavour, and Price. The status bar at the bottom indicates 'Current Page No.: 1', 'Total Page No.: 1', and 'Zoom Factor: 100%'.

ItemNO	Category	Flavour	Price
1	Cake	ChocolateMousse-500gram	300
2	Cake	ChocolateMousse-1KG	600
3	Cake	Chocochip Mousse-500gram	300
4	Cake	Chocochip Mousse-1KG	600
5	Cake	Pineapple-500gram	250
6	Cake	Pineapple-1KG	500
7	Cake	WhiteForest-500gram	300
8	Cake	WhiteForest-1KG	600
9	Cake	BlackForest-500gram	300
10	Cake	BlackForest-1KG	600
11	Cake	Vanilla-500gram	350
12	Cake	Vanilla-1KG	700

2. Candle Details Report:



The screenshot displays a SAP Crystal Reports window titled 'Form6'. The report is titled 'Candle Details Report' and is presented in a tabular format. The table has three columns: 'C_No', 'CandleName', and 'Price'. The data is as follows:

C_No	CandleName	Price
1	SSKR Wax Candle-10piecepack	90
2	Magic Relighting candles-5 candle	55
3	Colored Flame Candle-5piece	150
4	Candle Star Sticks Desing	225
5	Twisty Gold Long Stick Candles	120
6	Happy Birthday Candles	150

The report is displayed in a window with a toolbar at the top and a status bar at the bottom. The status bar indicates 'Current Page No.: 1', 'Total Page No.: 1', and 'Zoom Factor: 100%'.

3. Bill Report:

Bill

Enter Order No

SAP CRYSTAL REPORTS®

Main Report

Sai Seva Cake Shop

10-06-2021

OrderNo	FirstName	Flavours	Candle	Total
6	Vrushali	WhiteForest-500gram	Twisty Gold Long Stick Candles	480

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

7. ADVANTAGES AND LIMITATIONS.

1. The System is single user system.
2. The user has to take care of the proper flow of system.
3. There is no full proof security to the system.
4. System is offline.

8. FUTURE ENHANCEMENT

1. Reduction of paper work.
2. Human effort or Manual Labor can be reduced drastically.
3. Major operation that are done manually can be done within a matter of seconds.
4. This project enables the owner of shop to maintain database of customer visited and purchase item from shop.

9. CONCLUSION

- » The **Cake Shop Billing System** is designed to generate bills when customer orders an item.
- » It has the facility to generate bills and only the authorized user can login in system and view details of customer and items.
- » This application provides facility for adding customer details (for reference), adding item details and it automatically calculates amount and generate bill.
- » It also provides Automation of the entire system improves the efficiency, it provides a friendly graphical user interface which proves to be better when compared to the existing system, updating of information becomes so easier.
- » The system has adequate scope for modification in future if it necessary.

10.BIBLIOGRAPHY

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- www.microsoft.com
- www.google.com
- www.w3school.com

THANK YOU