



G.M.D. ARTS, B. W. COMMERCE  
& SCIENCE COLLEGE,  
SINNAR.

DEPARTMENT OF COMPUTER SCIENCE  
A PROJECT REPORT ON  
“Electronic Shop System”

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G.M.D. ARTS, B.W. COMMERCE  
& SCIENCE COLLEGE,  
SINNAR.

# CERTIFICATE

This is to certify that,

Jaiu Vinayak Sudarshan  
Daware Saurabh Satish

Student of B.Sc. Computer Science has satisfactory completed Project work on  
“**Electronic Shop System**”, towards partial fulfilment of degree course affiliated  
to Savitribai Phule Pune University for the Academic Year 2022-2023 at G.M.D.  
ARTS, B.W. COMMERCE & SCIENCE COLLEGE, SINNAR.

*[Signature]*  
Project Guide

(Smt.N.V.Lahamage)

*[Signature]*

Internal Examiner



*[Signature]*  
Head of Department

(Smt.N.V.Lahamage)

*[Signature]*

External Examiner

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# Introduction

## Electronic Shop Management System

The main purpose for creating this Electronic Shop Management System software application is to automate all management and works of the electronic shop. This maintains the purchasing, sales, stocks, service, employee payroll and reports. This application will reduce the manual operation required to maintain all the records of purchasing, sales and service.

This Electronic Shop Management System Software application allows you to search a number of items available in stocks and also generates sales and purchasing reports. It also keeps the track of servicing Hence its main intension is to computerize all the transaction of electronic shop. There is no need of internet connection since it will be a offline project.

Customer, Products, Billing Generation: Automate the current manual bill generation system and maintain the searchable customer, products database and product invoice.

Report Generation: A Report Generation system will be developed for the user and management of Invoicing System. This system will have both details and summary type reports for analysis the sales volume, sales trend, and service records.

## 1. Abstract

**Electrical Shop Management** :This report is conducted in order to set the foundations upon which the Second project of our SE Students in Information Technology will be built. The title of the project is: "Website Development Project: SS Electrical Shopee e-Business Website" . The main target of this report is to conduct a thorough and in-depth analysis of the vast field of e-Business and at the same time explore the opportunities and the conditions that could lead into building a successful e-Business website on Information Technology employment.

## **2.1 Motivation**

We observe that in college it's a tedious task to keep up with the Shop data and doing manual data backup is also not easy. You can't easily duplicate data or modify it. So we come up with this Electrical Shop Management to ease the collection and maintenance of Electrical shop data.

## **2.1 Problem Statement**

Develop an application which facilitates creation of web pages having a need to show Services and Product and also which can be used by any user, Who need a Electrical Services and Product. Services Should get more cleared for users. Visited User Should feel more user friendly ui and can send feedback or make inquiry or query about Services.



## 2.2 Purpose / Objective & Goals

✦ The Basic Building Blocks of a Web Development Proposal Every website proposal (similar to web design proposals) should include:

Executive Summary -A one-page summarization of the whole project, including all necessary specifics such as important timeline points and budget.

✦ Marketing—drive traffic, engage prospects, generate leads and re-engage existing customers.

✦ Sales—help close sales by validating and supporting sales team communications.

✦ Customer Support —improve customer satisfaction through better service.

✦ Webmasters—simplify and optimize content updates and website management.

## **2.4 Literature survey**

This is one of the most widely accepted statements and applies for every aspect of human activity. Internet is an unlimited pool of information and benefits anyone who uses it properly.

According to Porter and Millar (1985) information gives competitive advantage to a company in three different ways:

- a) By changing industry structure and changing the rules of competition.
- b) By providing companies with new ways to outperform their competitors.
- c) By creating new businesses, even from within a company's existing operations.

## 2.5 Project Scope and limitation

- **Scope:**

A future website is not only beautiful but is highly functional, and has longevity built-in. I use only the latest web technologies design methodologies such as responsive web design, HTML5, and progressive enhancement through CSS3 to craft your business's online presence.

- **Limitation:**

**Runs on any OS:** It's programmed to run on any OS .

**Runs using easy URL:** These apps run on the device's own browser through an easy URL.

**Need not be downloaded:** They don't got to be downloaded and installed from app stores like Google Play or Apple's App Store.

**Cost Efficient:** The most important benefit you'll draw faraway from it's its price. Web development is that the cheaper quite Web development.

## Acknowledgements

It gives me immense pleasure to express my gratitude to all those individuals who were associated with project.

I would like to express my sincere thanks, firstly Principal Navnath Pawar, and to project guide Savita Kurkute for their valuable guidance in completion ELECTRONIC SHOPEE SYSTEM

The people at Queue deserve a large measure of praise for their patience, perseverance, and hard work. I would especially like to thank Komal Daware and Arti Navale for their on-going support, guidance, and impressive technical skills. Many other people at Queue have also worked very hard on this project, and they are to be congratulated on the outcome.

This project would not have been possible without the strenuous efforts and prodigious technical knowledge of the entire working team. I am grateful for their individual contributions, each of which was indispensable.

## **1. PROBLEM DEFINITION:**

- ✓ System security is password dependent, if security about password information is not maintained, system could be in great danger.
- ✓ System can not provide validity to system printed papers as in manual system signed and stamped papers have.
- ✓ If system is not protected from computer viruses ,infection may result in permanent data loss or total system failure which may cause extensive damage to the organization.

## 2. EXISTING SYSTEM:

- Electronic shop has to provide the required product types to the customer.
- The sales person gives various details about the electronic product then customer analyzed and finally select the product. He/She paid payment to the accountant and take bill.
- Manager gives order to the supplier and supplier provides product of various companies to the electronic shop.
- Accountant pay bill to the supplier.

### • **Disadvantages of the present system:**

- ✓ Customer details have to be stored in register which is written manually. There are possibility of being mistake.
- ✓ There is a problem if record has to be change or to be search.

### **3. Proposed System:**

- Advantages of the system:
  - ✓ It is less time consuming.
  - ✓ User can maintain records of the available stock very easily.
  - ✓ User can maintain all the records of all the transaction.

### **Scope of the System:**

- ✓ Help to organized the problems available in the shop.
- ✓ To maintain the details of the stock.
- ✓ Very easy to handle and user friendly system to save time and efforts.
- ✓ Provides better services to the customer.
- ✓ Generation of printed bill.

#### 4. Feasibility study:

The main purpose of feasibility study is to determine whether the software system request is feasible or not.

#### **1. Feasibility study:**

A computerized system will be technically more effective than the existing manual system. 'Electronic Shop' system has all the required hardware and software needed for the development of the proposed system.

#### **2. Economical Feasibility study:**

It is important because management must approve the budget of the system and this feasibility determines cost and benefits of the system.

#### **3. Operational Feasibility study:**

In this case operational implementation cost is considered. This system is being developed for the 'Electronic Shop' management.



## System Specification

**Programming Language:**

Front End : Java

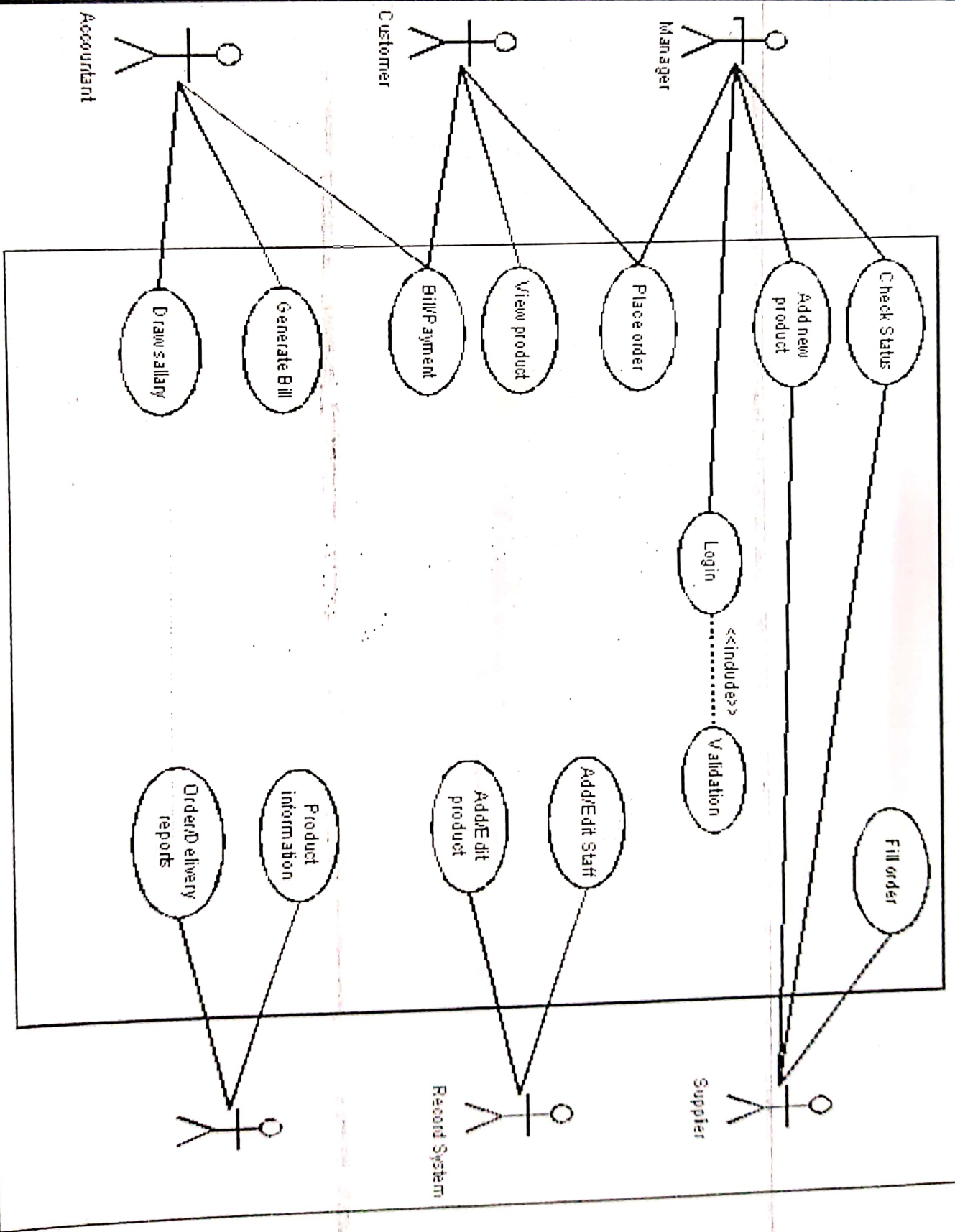
Back End : My SQL WorkBench

Project Category : Stand Alone/Software Application/Java project

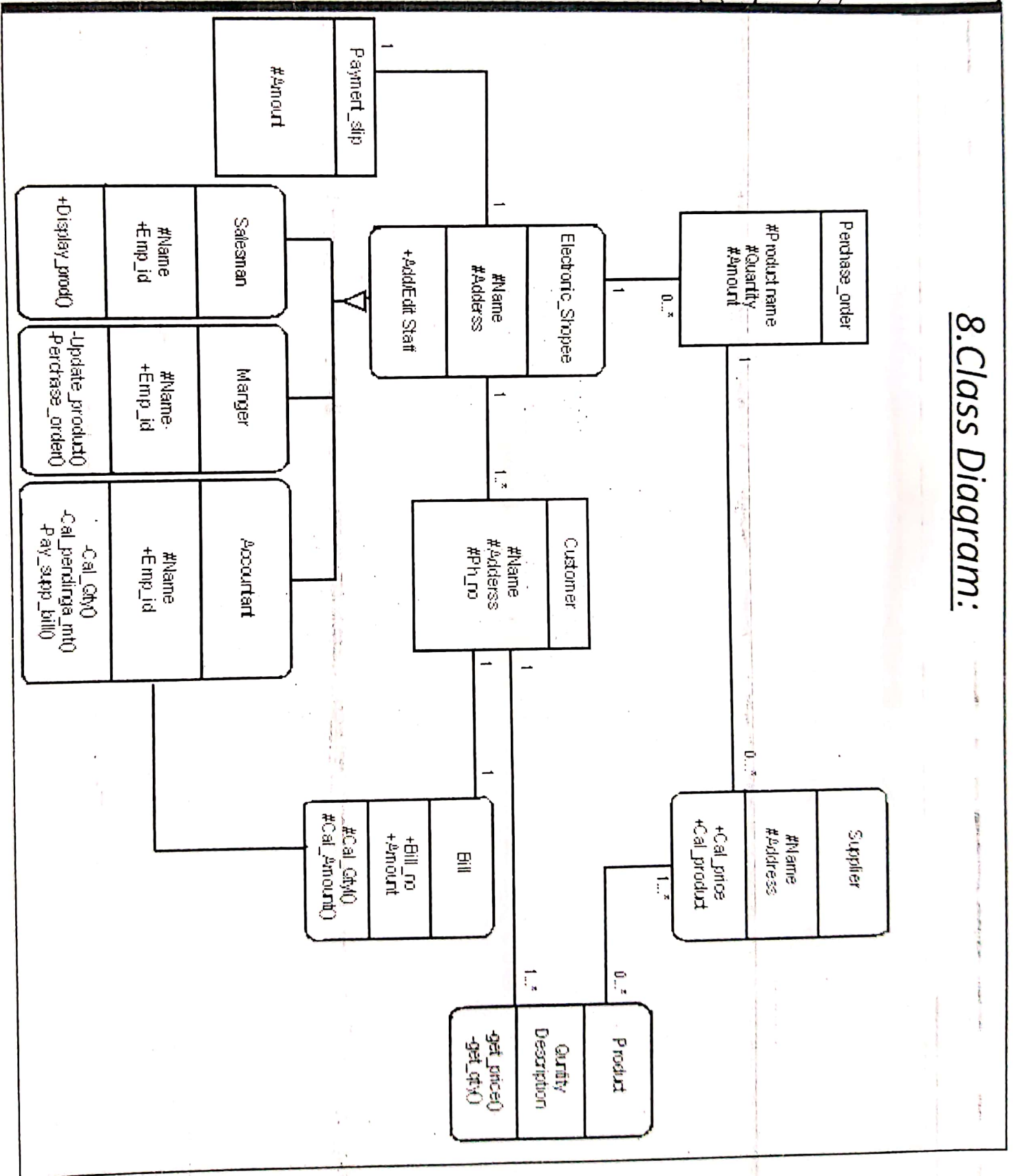
Modules of Electronic Shop Management System



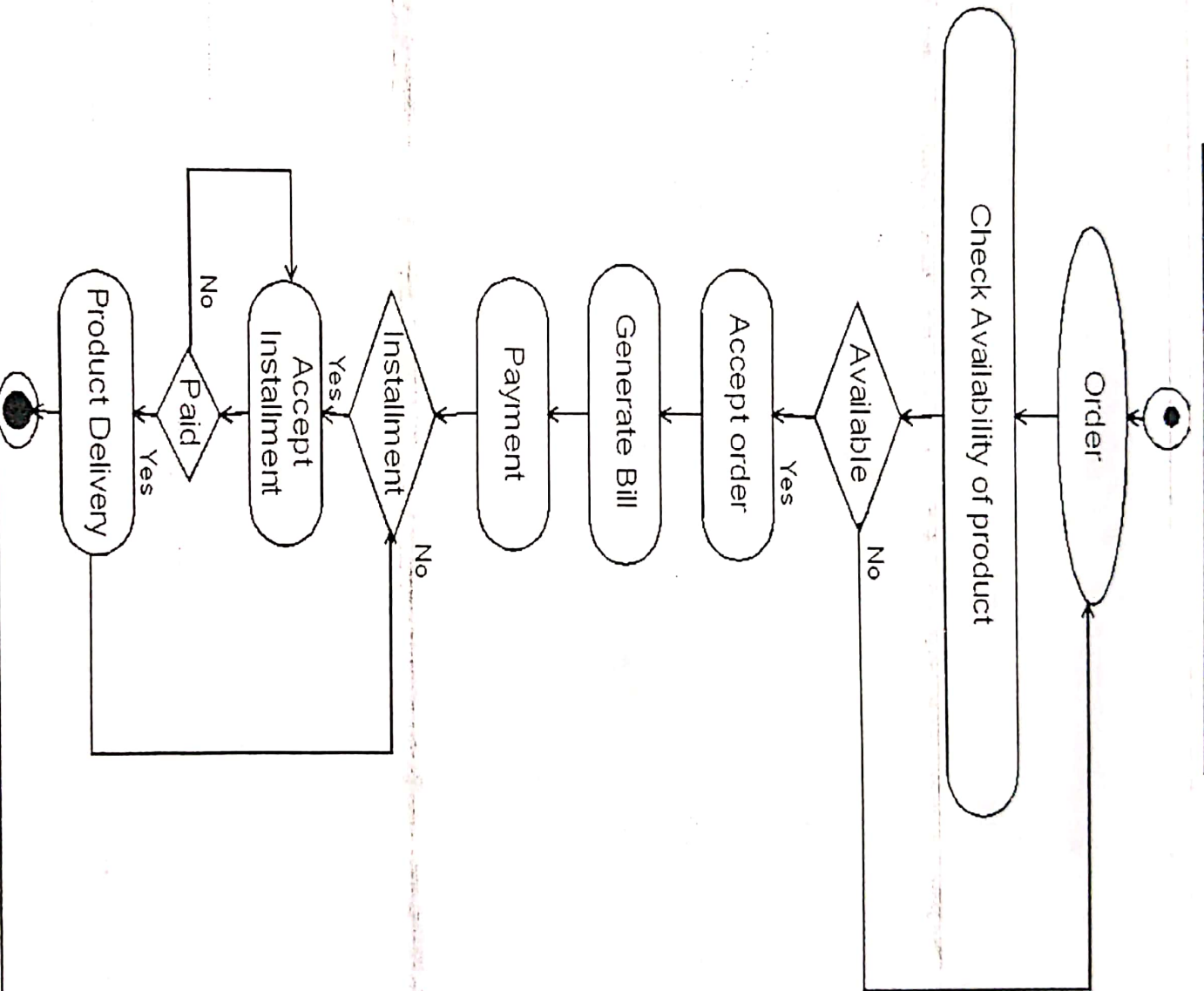
# 7. Use Case Diagram:



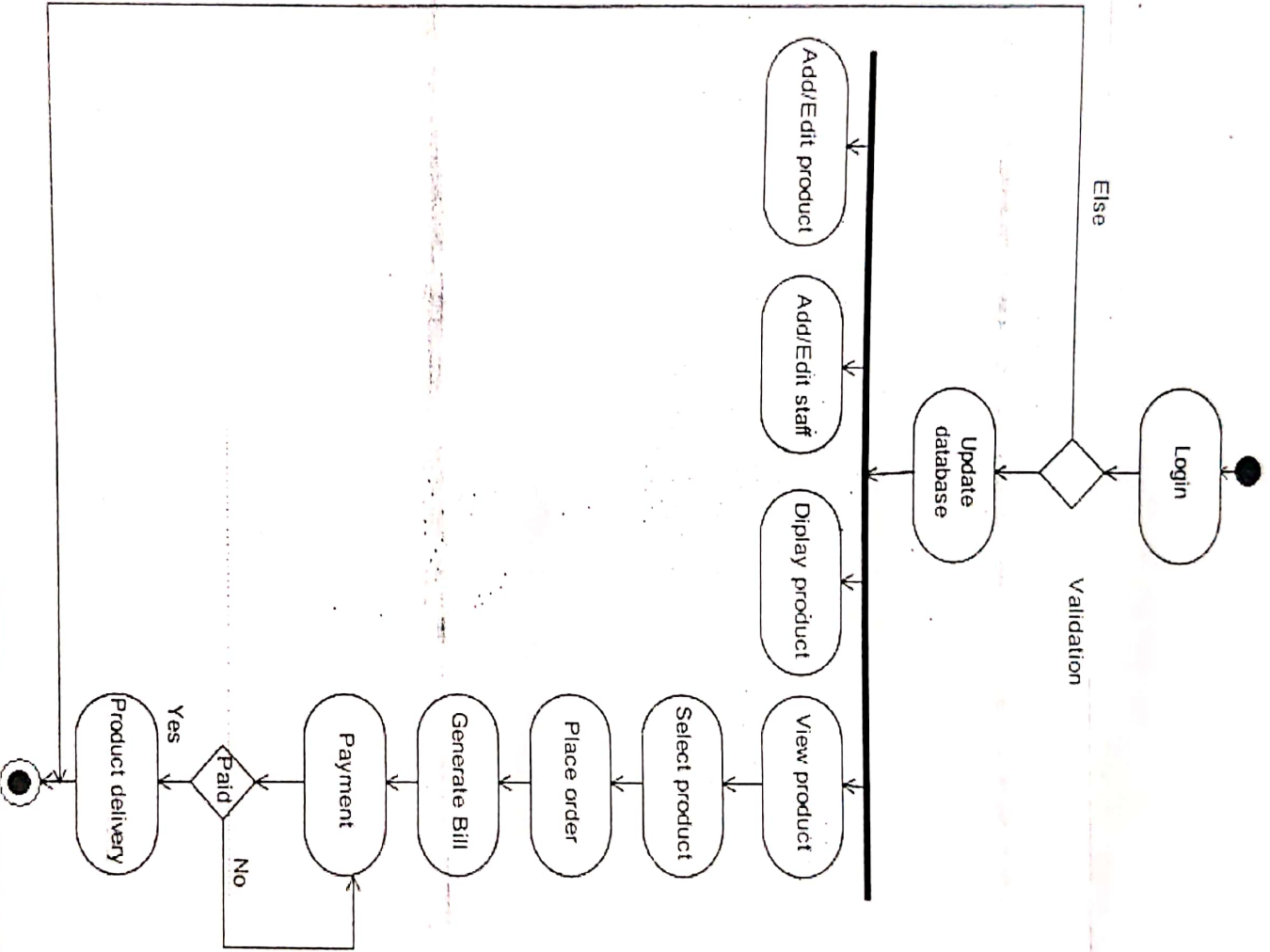
# 8. Class Diagram:



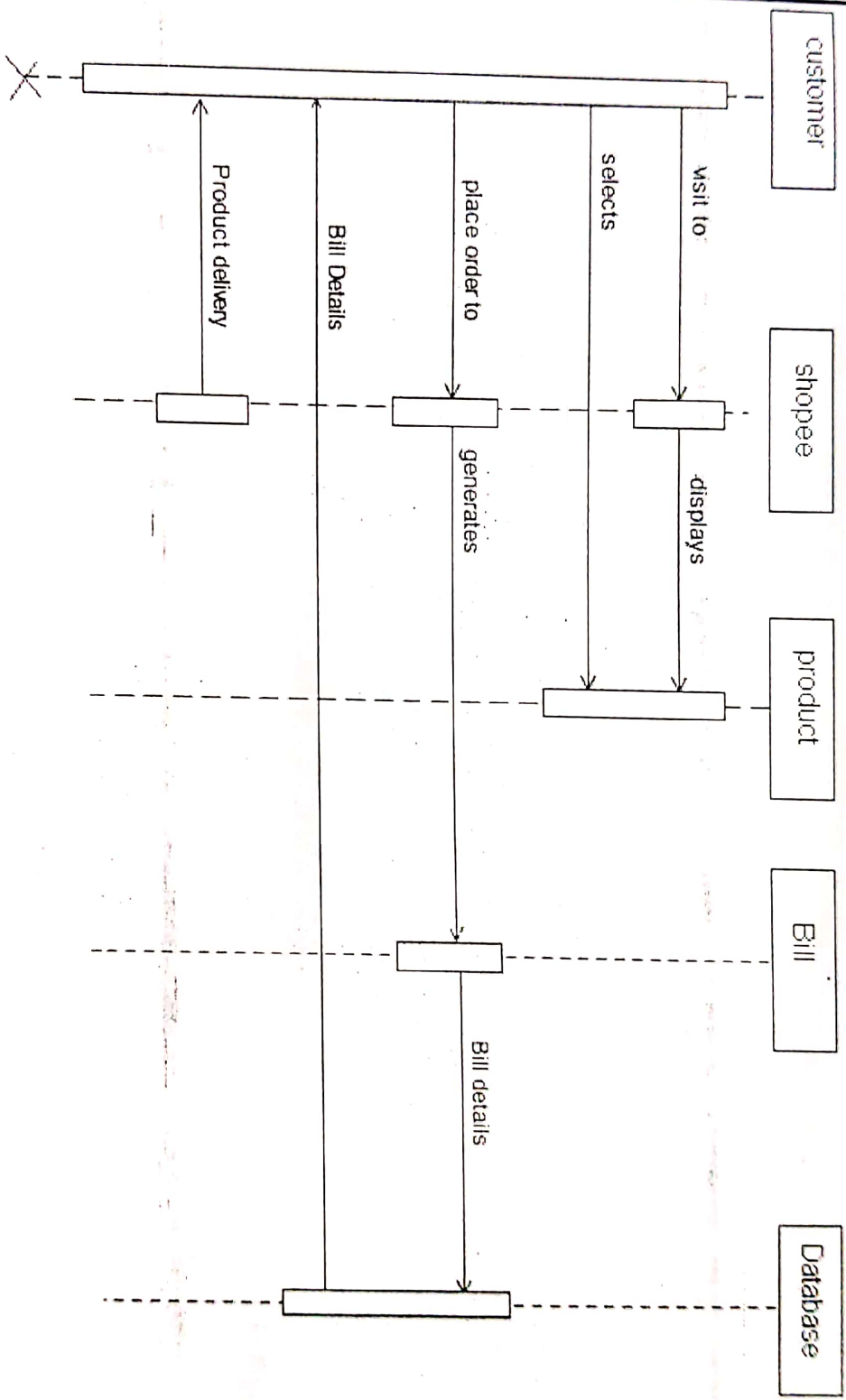
# 9. Activity Diagram : Supplier



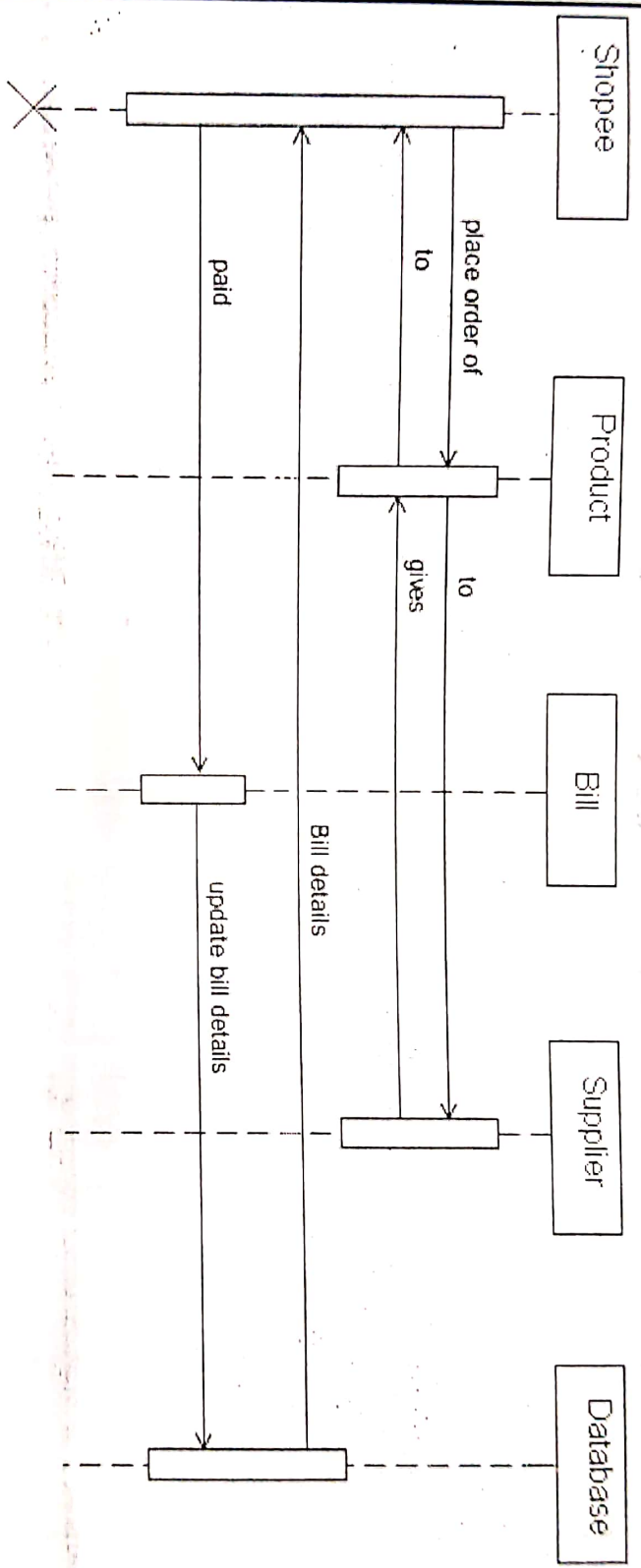
# 10. Activity Diagram : Customer



# 11. Sequence Diagram : Customer Order



# 12. Sequence Diagram : Supplier Order





### 13. Data Dictionary

#### Login:

Field	Datatype	Description	Keys	Size
Username	Text	Name of User	-	5
Password	Text	Password	-	5

#### Customer:

Field	Datatype	Description	Keys	Size
Cust_id	Number	Customer id	PK	5
Cust_name	Text	Customer name	-	15
Cust_addr	Text	Customer address	-	35
Cust_phno.	Number	Customer phone no.	-	10

## Product:

Field	Datatype	Description	Keys	Size
Prd_id	Number	Product id	PK	5
Prd_name	Text	Product name	-	25
Unit_price	Number	Price of product	-	6
Man_date	Date	Manufacture date of Product	-	8
Company	Text	Company name of Product	-	15
Model_type	Text	Model of Product	-	15

## Employee:

Field	Datatype	Description	Keys	Size
Emp_id	Number	Employee id	PK	5
Emp_name	Text	Employee name	-	25
Emp_addr	Text	Employee address	-	35
Emp_phno	Number	Employee phone no.	-	10
Emp_Type	Text	Employee type	-	10

## Supplier:

Field	Datatype	Description	Keys	Size
Supp_id	Number	Supplier id	PK	5
Supp_name	Text	Supplier name	-	25
Supp_addr	Text	Supplier address	-	35
Supp_phno	Number	Supplier phone no.	-	10

## Purchase Order:

Field	Datatype	Description	Keys	Size
PO_id	Number	Purchase order id	PK	5
Prd_id	Number	Product id	FK	5
SO_id	Number	Sales Order id	FK	5
Qty	Number	Quantity of Product	-	3
PO_date	Date	Purchase order date	-	8

## Customer Bill:

Field	Datatype	Description	Keys	Size
Bill_no	Number	Customer bill no.	FK	5
Cust_name	Text	Customer name	FK	15
Date	Date	Date of delivery	-	8
Company	Text	Company name of product	FK	10
Model_type	Text	Product model	FK	15
Qty	Number	Product quantity	-	3
Amount	Number	Total amount of product	-	6
Tax	Number	Tax on product	-	2

## Supplier Bill:

Field	Datatype	Description	Keys	Size
Bill_no	Number	Supplier bill no.	FK	5
Supp_name	Text	Supplier name	FK	15
Date	Date	Date of delivery	-	10
Company	Text	Company name of product	FK	10
Model_type	Text	Product model	FK	15
Qty	Number	Product quantity	-	3
Amount	Number	Total amount of product	-	6
Tax	Number	Tax on product	-	2

## Pending Bill:

Field	Datatype	Discription	Keys	Size
Bill_no	Number	Customer bill no.	FK	5
Cust_name	Text	Customer name	FK	15
Date	Date	Date of delivery	-	8
Company	Text	Company name of product	FK	10
Model_type	Text	Product model	FK	15
Qty	Number	Product quantity	-	3
Total Amount	Number	Total amount of product	-	6
Pend_amt	Number	Pending amount	-	5
Tax	Number	Tax on product	-	2

Admiral



Frigidaire

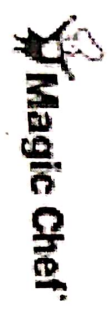
in sink erator



# ELECTRONIC SHOP



You can be sure. It's Westinghouse.



# ELECTRONIC SHOPPEE SYSTEM

Login Name

Komal

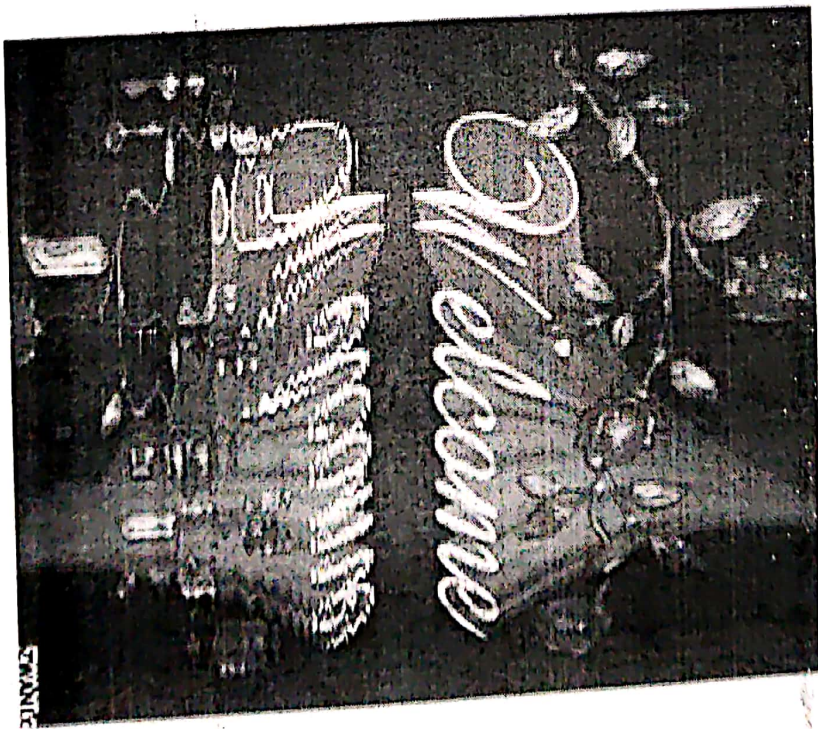
Password

\*\*\*\*\*

LOGIN

CLEAR

CHANGE PASSWORD





Welcome to Electronic Shoppe

Customer Purchase

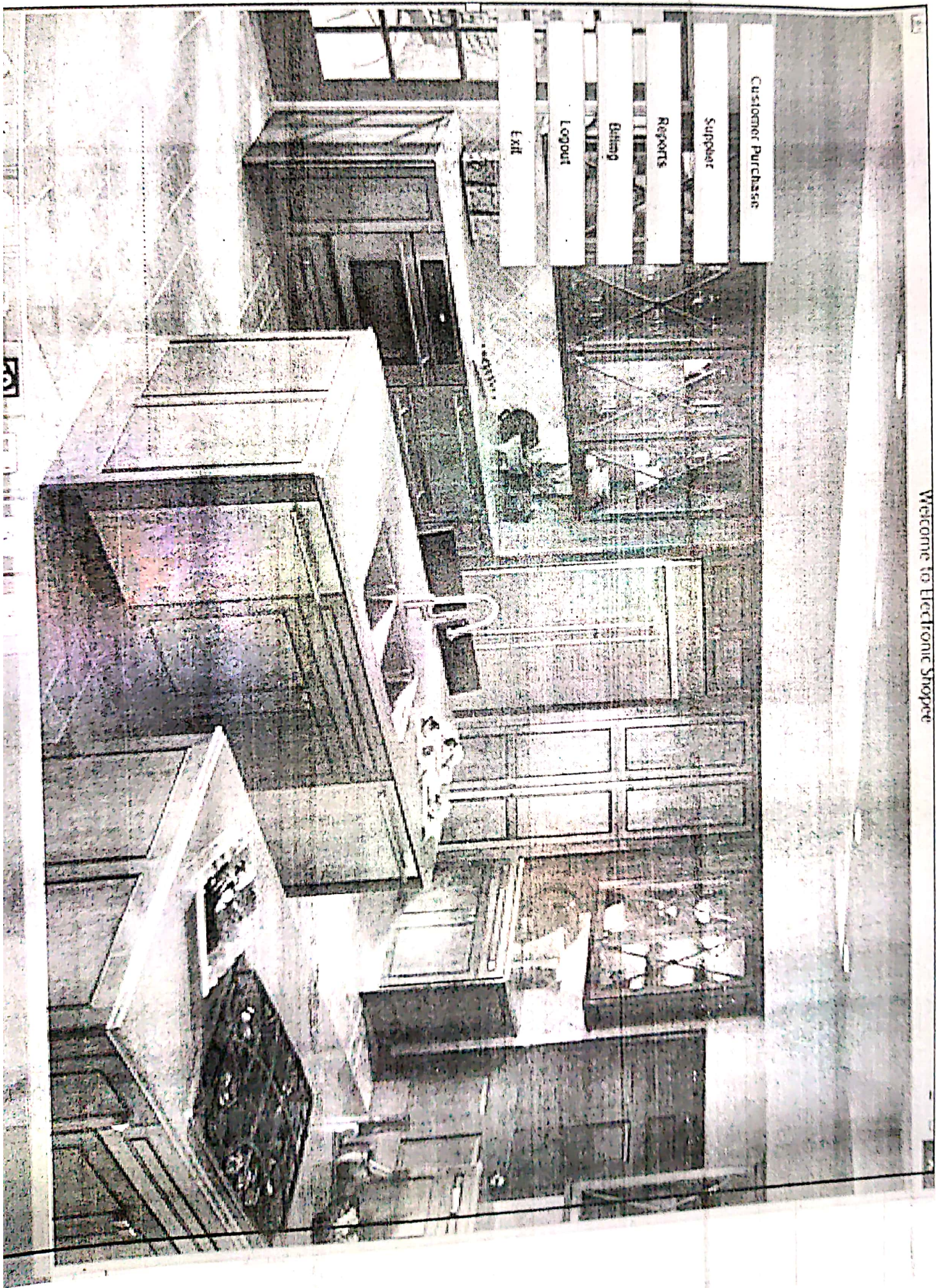
Support

Reports

Setting

Logout

Exit



Customer Purchase

Supplier

Reports

Billing

Logout

Exit

### Customer Details

Name:

Komal Daware

Address:

Sinnar

Date:

31/12/2021

Company:

Samsung

ModelType:

Select

Qty:

5

Rate:

40000

Total:

200000.0

Click to calculate

Calculate

Paid Amount:

40000

### Photo Gallery of Electro Appliances



Whirlpool

Godrej

Onida

LG

Samsung

Data Operations

Save

AddNew

Back

Navigation

Next

Previous

Customer Purchase

Supplier

Reports

Billing

Logout

Exit

Supplier

# SUPPLIER BILL

## ADD Supplier

Supplier no :

Supplier Name :

Supplier for :

Date :

Komal

2 / 16 / 2022

Samsung

ct

add Supplier

OK

Cancel

Product Qty :

Rate :

Total :

Sign by :

2

40000

80000

Krd

Calculate

Save

Reload

Back

Clear

Type here to search



Reports

Electronic Shoppee

REPORTS

CUSTOMER BILL DETAIL

OK

Appearance DETAILS

OK

Supplier DETAILS

OK

BACK

EXIT

Customer Purchase

Supplier

Reports

Setting

Logout

Exit

Electronic Shoppee

REPORTS

CUSTOMER BILL DETAIL

APPLIANCE DETAILS

SUPPLIER DETAILS

Customer Reports

name	date	company	model/type	qty	rate	amount
total Davao	12/12/2021	Samsung	TouchPHONE	1	30000	30000
MI Power	12/12/2021	LG	TV 43-43L7-7L5	5	30000	150000
Callin kard	11/12/2021	Onda	TV 23-plus	2	45000	90000

Customer Purchase

Supplier

Reports

Items

Logout

Exit

Electronic Shoppee

REPORTS

CUSTOMER BILL DETAIL

Appliance DETAILS

Supplier DETAILS

Appliance Reports

Company	Modeltype	Rate
Whndpocsl	Oven Hagicook 25G602e	7000
Whndpocsl	Oven Hagicook G Electronicfiez	5000
Whndpocsl	Hagicook G Mechanical373co	10000
Whndpocsl	Messe 2e5e48	20000
Whndpocsl	WAR9020DW0206e	40000
Whndpocsl	WAR12030RA01142	60000
Whndpocsl	WARR15001_s	30000
Whndpocsl	TV FIAL 112_5m	12000
Whndpocsl	TV LCD 59_5m	52000
GoDreJ	AC G5024FHM0ut	60000
GoDreJ	AC Heil 5m1pJ	65000
GoDreJ	AC Lunat 5m	40000
GoDreJ	Fingerator Genius Premier456	50000
GoDreJ	Fingerator Genius XL Rolidie2303	20000
GoDreJ	Fingerator geniusjoiul 180t_small	30000
GoDreJ	Superlash A-65X7055	10000
GoDreJ	Oven GUC-30E-09-SSGX	60000
GoDreJ	AC Heating-Display	50000
GoDreJ	AC SpeedCool	30000
GoDreJ	AC Ultra-Sun-Mirror	40000
GoDreJ	TV 22-plus	45000
GoDreJ	TV 32 DIAMOND	30000
GoDreJ	TV Vogue-Audika	20000
GoDreJ	2827 Cndt-1511M006-POWERGRILL	10000
GoDreJ	POWER CONNECTION-26-DELIGHT	30000
GoDreJ	519 ONDA AT41 01 GARQU E FN	40000

Customer Purchase

Supplier

Reports

Billing

Logout

Exit

Electronic Shoppee

REPORTS

CUSTOMER BILL DETAIL

Appearance DETAILS

Supplier DETAILS

OK

OK

OK

BACK

EXIT

Supplier Reports

Sid	Supplier	Date	Qty	Rate	Total	Supp to
1	KOMIJI	12/12/2021	2	40000	80000	KIDAWATE
1	KOMIJI	22/12/2021	2	30000	60000	KIDAWATE
9	Ashwini	2/12/2021	5	30000	150000	SUNJAS
2	ARTI	31/12/2021	2	45000	22500	SSN

Customer Purchase

Supplier

Reports

Billing

Logout

Exit

Customer Purchase

Supplier

Reports

Billing

Logout

Exit

BILL EDIT

### CUSTOMER BILL

Bill Type :

Select

Customer Name :

Customer Address :

Purchase Date :

Product :

Quantity :

Rate :

Amount :

Total :



Type here to search







NOY XINXIFI