

A
PROJECT REPORT
ON
“Computer Shop Billing System”

FOR



Arts, Commerce & Science College, Sonai



SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

BY

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Under the Guidance of

Shri. Nangare Y.L.

**IN PARTIAL FULLFILLMENT OF BACHELOR OF COMPUTER
APPLICATIONS**

FOR THE ACADEMIC YEAR

2018-2019



Mula Education Society's
ARTS, COMMERCE & SCIENCE COLLEGE SONAI

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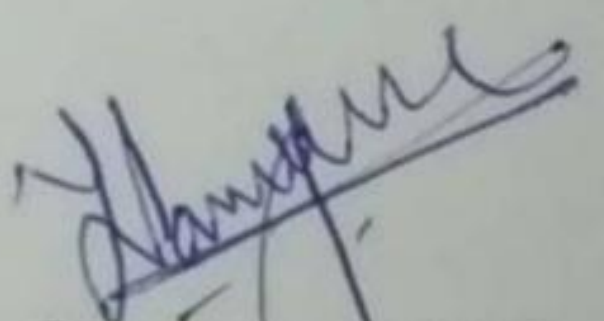
Affiliated to Savitribai Phule Pune University (I.D.PU/AN/ASC/031/1989)
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Date: 22/03/2019

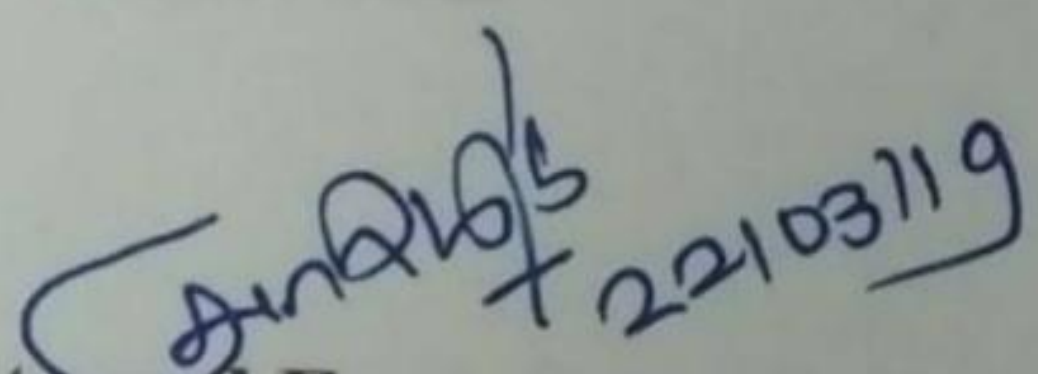
CERTIFICATE

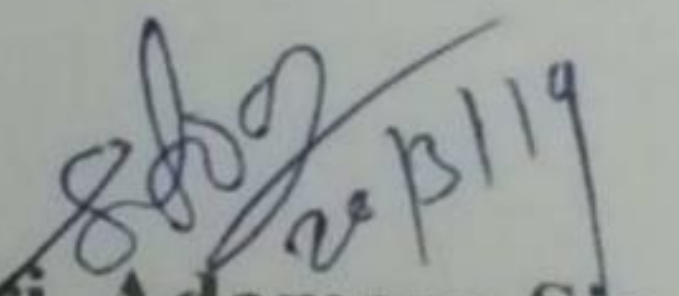
This is to certify that **Mr. Abhang Rushikesh Popat, Mr. Kanade Vicky Sanjay & Borkar Sanket Babasaheb** are bonafide students of Arts, Commerce and Science College, Sonai have successfully completed the Mini project work as prescribed by the Savitribai Phule Pune University Pune in the partial fulfillment of the requirement of Third Year, Bachelor Of Business Administration (Computer Application). Program for the academic year 2018-2019.

The Project Work titled as "Computer Shop Billing System".

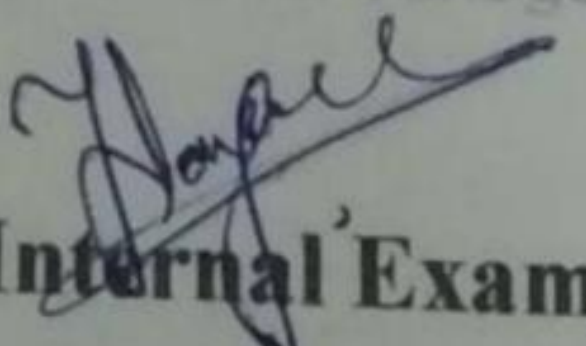

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DECLARATION

We hereby declare that the project work entitled, "**Computer Shop Billing System**" submitted under the guidance of **Shri. Nangare Y. L.** 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 unpleasure moment/situation.

Mr. Rushikesh Abhang

Mr. Vicky Kanade

Mr. Sanket Borkar

ACKNOWLEDGEMENT

At every outset we express my gratitude to almighty lord for showering his grace and blessings upon me to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. We could not done this project without the assistance or support of each of the following we thank you all.

We wish to place on my record my deep sense of gratitude to my project guide, for his constant motivation and valuable help through the project work. Express my gratitude to **Dr. Laware S.L. (Principal)** and **Prof. Nangare Y. L.** of Arts, Commerce & Science College, Sonai for her valuable suggestions and advices throughout the B.B.A(CA)course. We also extend my thanks to other faculties for their Cooperation during my Course.

Finally we would like to thank my friends for their cooperation to complete this project.

Mr. Rushikesh Abhang

Mr. Vicky Kanade

Mr. Sanket Borkar

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Introduction

"Computer Shop Billing System" is a system mostly uses the concept of mathematical operations & calculations in purpose of calculating bills & orders of computer parts. This system is developed to minimize the manual mathematical operations. The GUI provides much better communication way for user to interact with this system. And thus make it easy operatable.

The evolved system is more useful for end users, at the same time it promises a good & easy way for developer to maintain the system. Thus this project provides speed, accuracy, easy enhancements in more sophisticated way.

Existing System and Need for Proposed System

Existing System

- Shopkeeper gives rough quotation to the customer by hand.
- Shopkeeper keeps the records of new computer parts arrives in markets.
- At the time of payment, shopkeeper has to calculate bill receipt by manually or by calculator & keep this record manually in registers.

Need of the proposed system

- The system process transaction and store the resulting data.
- Accessibility from homes.
- Separate forms for city Residents, Employees and Visitors.
- The application provides information's for water management in city.
- The application also provides real-time information about flooding, water supply handling .
- The application provide information water releted work projects.
- This system maintain users personal, address and contact details.

Scope of the Work

- This web application can be accessed by four different users: Admins, city employees, members, non-members.
- Admins, city employees and members have their respective password protected profiles.
- Members once after logging into the system can report any problems they face.
- City employees can view the tags that are placed by different members and can take a necessary steps to rectify their problems or can reply to the comments placed by different users.

Operating Environment-H/W, S/W

Minimum Software Requirements:

Software is the collection of programs. For running of the system Software is needed.

- Operating System : Windows 7 or later versions
- Software : Front-end: Netbeans IDE 8.0
Database: Oracle 10g

Report: Jasper Report,HTML

Documentation: Ms Office

Minimum Hardware Requirement:

Physical requirement i.e. Monitor, CPU, Mouse, Printer etc. are called as Hardware requirements.

- RAM : 512 MB
- Hard Disk : Minimum 160 GB
- Printer : Laser Printer
- Keyboard : Standard 102-key Keyboard
- Display type : Standard VGA Monitor.

Proposed System

- The system process transaction and store the resulting data.
- Accessibility from homes.
- Separate forms for city Residents, Employees and Visitors.
- The application provides information's for water management in city.
- The application also provides real-time information about flooding, water supply handling.
- The application provide information water releted work projects.
- This system maintain users personal, address and contact details.

Objective of system

The objective of my project to provides management facility to computer-shop. This system is developed to minimize the manual mathematical operations. The GUI provides much better communication way for user to interact with this system. And thus make it easy operatable.

The evolved system is more useful for end users, at the same time it promises a good & easy way for developer to maintain the system. Thus this project provides speed, accuracy, easy enhancements in more sophisticated way.

We have given many facilities for user in

- 1) Welcome screen (Formsplash)
- 2) Login screen
- 3) Main form
- 4) Sell Computer System form
- 5) Sell Computer parts form
- 6) Changev password form

Fact Finding Techniques

Introduction:

Right from understanding the problem till the analysis, design & implementation of system, information about various aspects & requirements from the system is collected.

Analyst used for collecting data about requirements are called Fact Finding.

There are four techniques are used for this purpose:

1. Interview
2. Questionnaire
3. Record Review
4. Observation

1) Interview:

Interviews are used to collect information from individual or from groups. Interviews are not the best source for collecting the information because the time required from respondents.

The interview the best method for producing the qualitative information like opinions, policies & subjective description of acts invites & problems.

2) Questionnaire:

Questionnaires are used to collect information about various aspects of a system from a large number of person. The use of standardized question format can produce more reliable data other fact finding technique. However this method does not allow analyst to observe the expressions or reactions of respondents.

3] Record View:

Much kind of records & reports can provide valuable information about organization & operation. In record views analyst examines information that has been recorded about the system & about the user.

Records include writer policy manual, regulations & standard operating producers used by most organization is guide for manages & employee

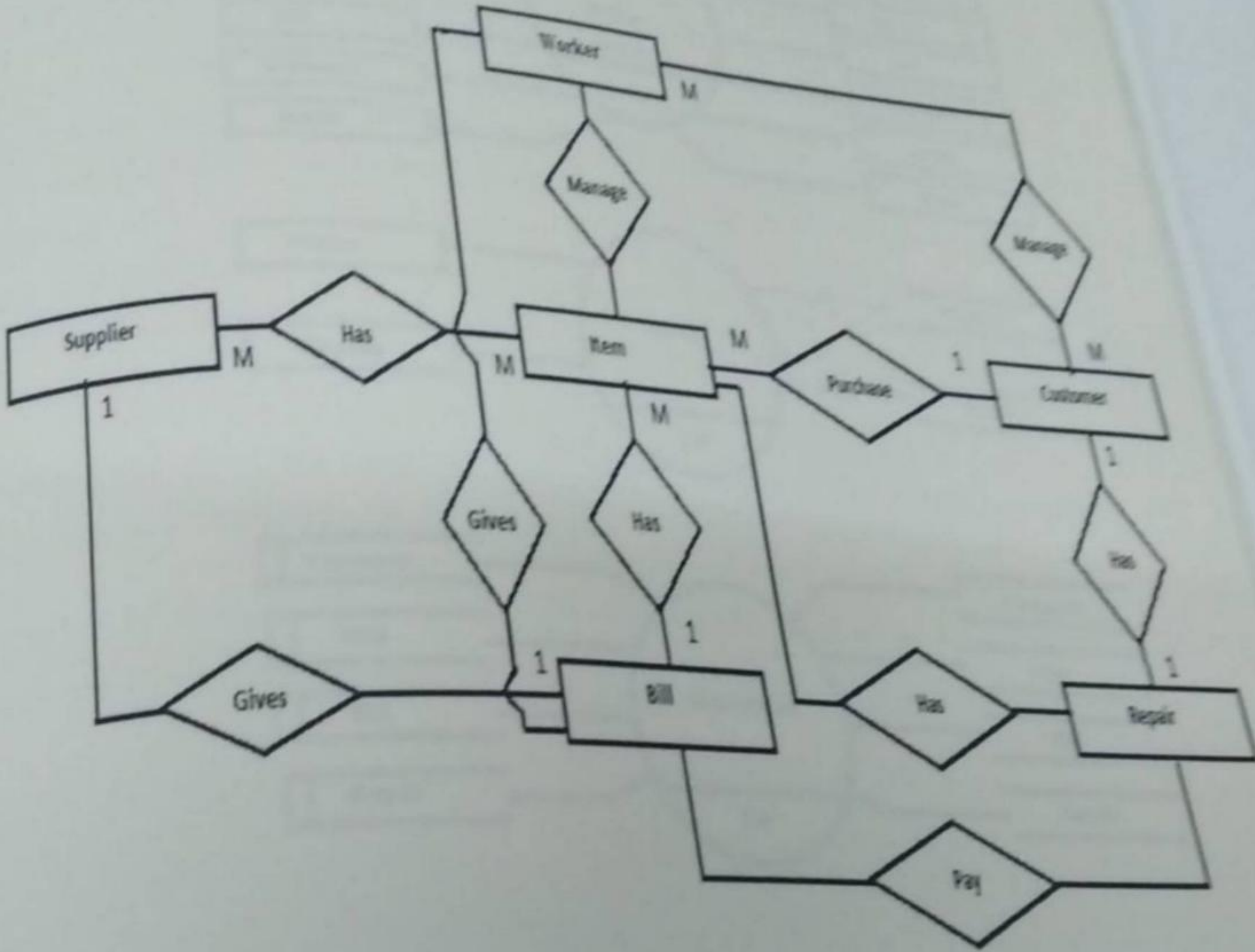
Records do not show what activities are actually occurring, who takes the decision, how the task is performed etc.

4] Observation:

Observation allows the analyst to get information which they cannot obtain any other fact finding technique. Through the observation analyst can obtain the first hand information about how activities are carried out. This method is very useful when the analyst need to be actually observe how documents are handled, how processes are carried out & whether specified steps are actually followed or not.

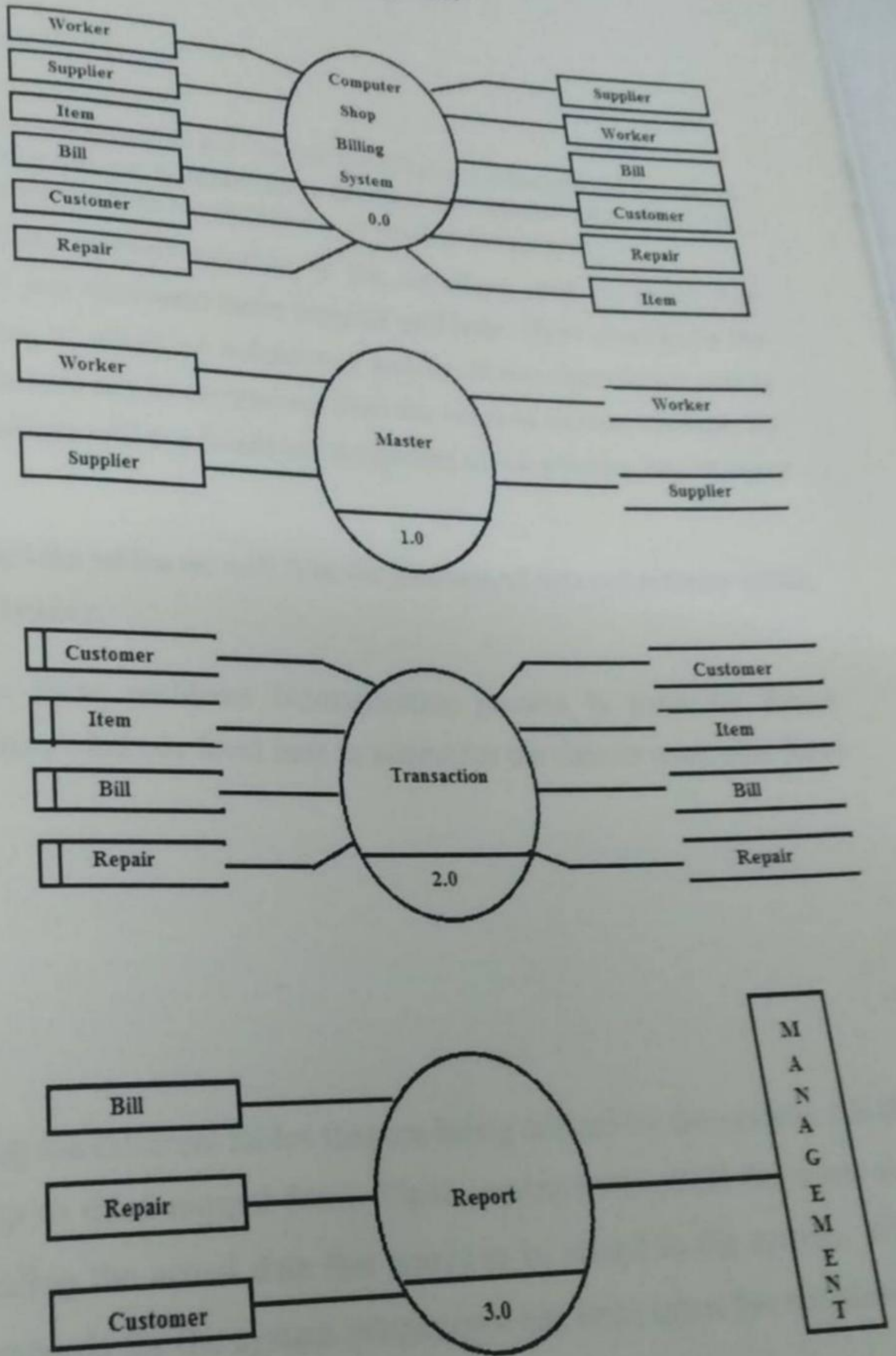
E-R Diagram:

Entity Relationship Diagram



DFD :

Context Level Diagram:-



Stock

Stock Details

Select Item:

Available Item Quantity:

New Item Quantity:

Message

Stock Is Updated

Bill

Customer Name: Customer ID: Bill No:

Customer Address: Customer Contact:

Select Item: Price: Item Quantity:

Item	Price	Quantity	Total
mouse	300	1	300
Cannon	50000	1	50000
i7 2.40GH	56789	1	56789

Total =

REPORT

Customer Report

Hi-5 Computer Billing System

Customer Report

Friday 15 March 2019

CUSTOMER_CID	CUSTOMER_CNAME	CUSTOMER_CADDRE	CUSTOMER_CCONTA	CUSTOMER_CBILLNO	CUSTOMER_CREPAIR
1	Sanket	Sonai	1234567890	0	12
2	Pradhamesh	chanda	56789091234	12	0
3	Om	Newasa	56781234	0	15
4	Chaitanya	Pathardi	5678128797	13	0
5	Vicky	Shirdi	9172117288	0	17

Sells Bill Report

Hi-5 Computer Billing System

Sales Item Bill Report

Friday 15 March 2019

BILL_BNO	BILL_BTAMOUNT	BILL_BDATE
1	100	11 March 2019
2	300	14 March 2019
3	1000	15 March 2019
4	200	16 March 2019
5	300	17 March 2019

Repair Bill Report

Hi-5 Computer Billing System

Repair Bill Report

Friday, 15 March 2019

REPAIR_RNO	REPAIR_RDESC	REPAIR_RDATE	REPAIR_RAMOUNT
1	SMTF ASSEMBLE	11 March 2018	1220
2	I7 processer	12 April 2019	4000
3	Printer works	23 March 2019	200
4	Scanner works	29 March 2019	100

"CONCLUSION"

his system will make daily transaction in short time and report generate easily & correct which was so complicated in previous manual system because everything had to be carried out manually.

This system is easy to understand and operates and also user friendly.

All the difficulties of system have been removed. The user can get all the information he wants as it cant help himself and he is guided throw with all the information. Also less time is required for the processing.