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1. INTRODUCTION

1.1 INTRODUCTION SYSTEM

The project “Billing system” is an application to automate the process of ordering and billing of an “Electrical store”. This desktop application is designed considering the chain of Electrical store which is located in various cities. This application also administrates its users and customers.

1.2 SCOPE OF SYSTEM

- 1 This project will help the store keeper in fast billing
- 2 This project enable store keeper to maintain a great database of all customers visited and purchase product from store.
- 3 Project will enable to see report regarding product and category.
- 4 Easy to maintain in future prospect.

1.3 PROPOSED SYSTEM

1. Easiness in modification of data: The proposed system provides managing of huge data effectively and efficiently for efficient results, storing the details of the customers, employees etc. in such a way that the database can be modified.

2. 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.

3. 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 managers in a decisions-making activity.

4. Sharing the data is possible: Data can be shared in proposed system.

This means that two or more persons can use the same data in existing system provided that they have right to access that data. Also the two or

more departments in an organization can easily interact with each other without the actual movement of data.

5. No or very few paperwork: The proposed system either does not require paper work or very few paper works is required. All the data is feted into the computer immediately and various bills and reports can be generated through computers. Since all the data is kept in a database no data of the organization can be destroyed. Moreover work becomes very easy because there is no need to keep data on papers.

6. Support strategic competitive advantage: Proposed system supports strategic competitive advantages. Since the proposed systems provide easiness in reports generating it will provide strategic advantages among competitors.

7. 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.

2. ANALYSIS

2.1 FACT FINDING TECHNIQUE

1. Application – Browser
2. Database – Microsoft Access
3. Languages used – JAVA
4. Development tools – Netbeans, JAVA Development Kit, Notepad++

2.2 FEASIBILITY STUDY

Method of study: The analysis procedure comprised of field trips in the various departments of the company. The following documents and sources were looked up:

- * The purchase order that contain items to be purchased.
- * The accounts register.
- * Purchase order issues to vendors.
- * Bills receive from vendors.
- * Bills give to the customers.

* Purchase return forms (if any) give to vendors.

The technologies and the environment which are used in this project are

SOFTWARE

Front End

1. Language used: JAVA, JQUERY, HTML, CSS. We use this language is supports event driven programming feature.

Back end

Supporting Software: MS ACCESS. This is used to storing data in the form of tables. It is easy to use.

OPERATING SYSTEM:

Platform: Windows XP, Windows 8. Our system requires window operating system, which is easily available.

HARDWARE:

Intel based processor-run computer system, which have keyboard and mouse as input devices. This has been decided for its case of availability and up-gradation.

The various registers maintained at the different department have enough information recording, which will help in digitizing the available data.

2.3 HARDWARE AND SOFTWARE REQUIREMENT

CPU configuration

- AMD processors 4000+ series
- RAM 513 MB DDR2

Monitor-17" color

Operating System

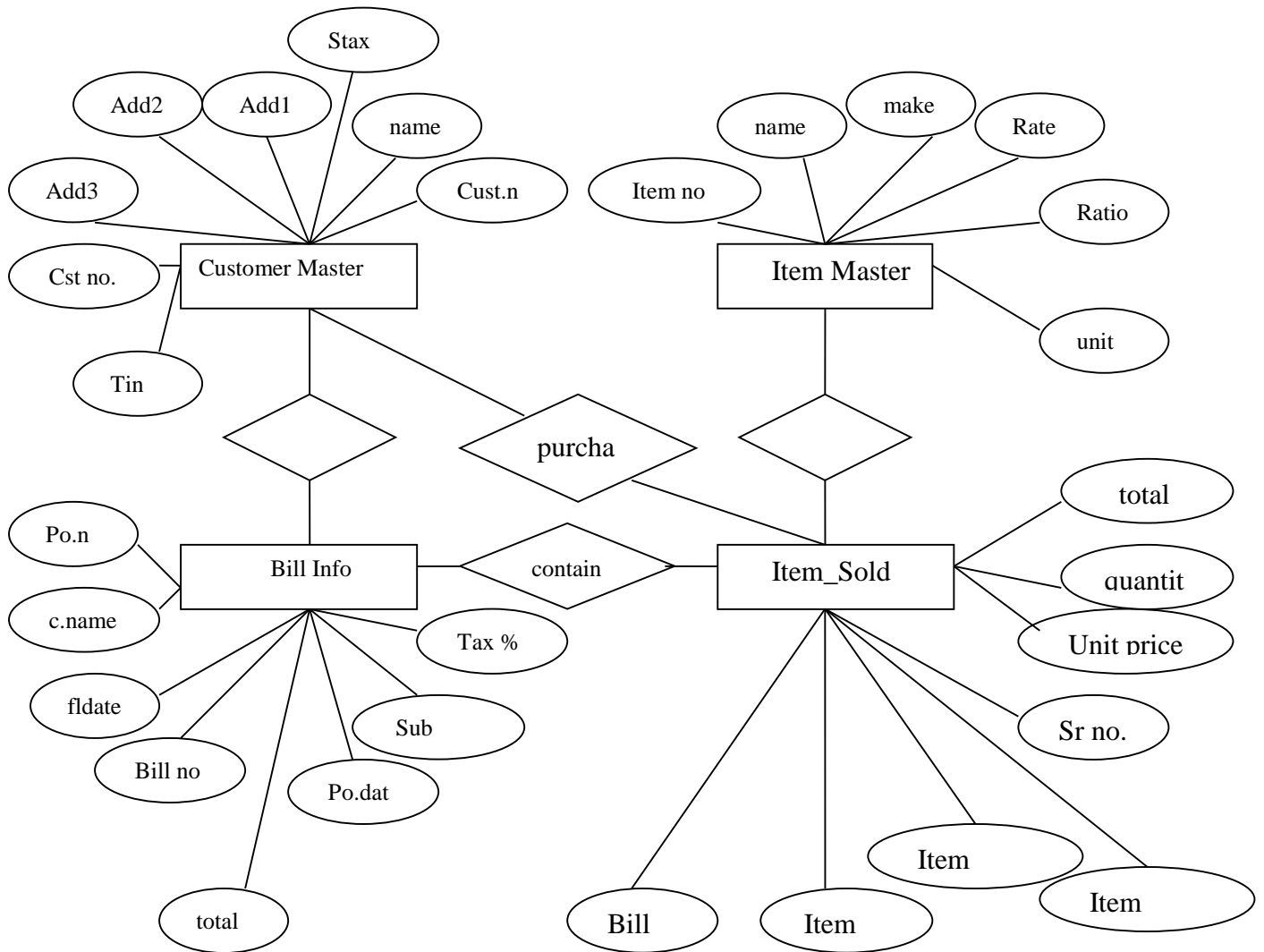
- Windows XP with service pack 2 or higher

Additional Hardware

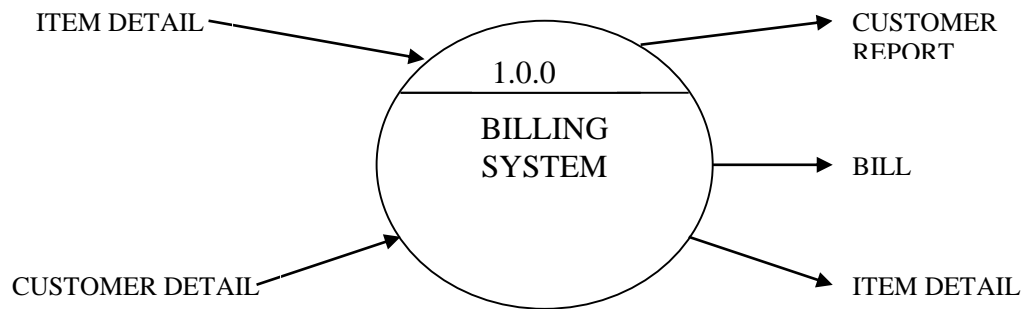
- Printer

3. SYSTEM DESIGN

3.1 E-R Diagram



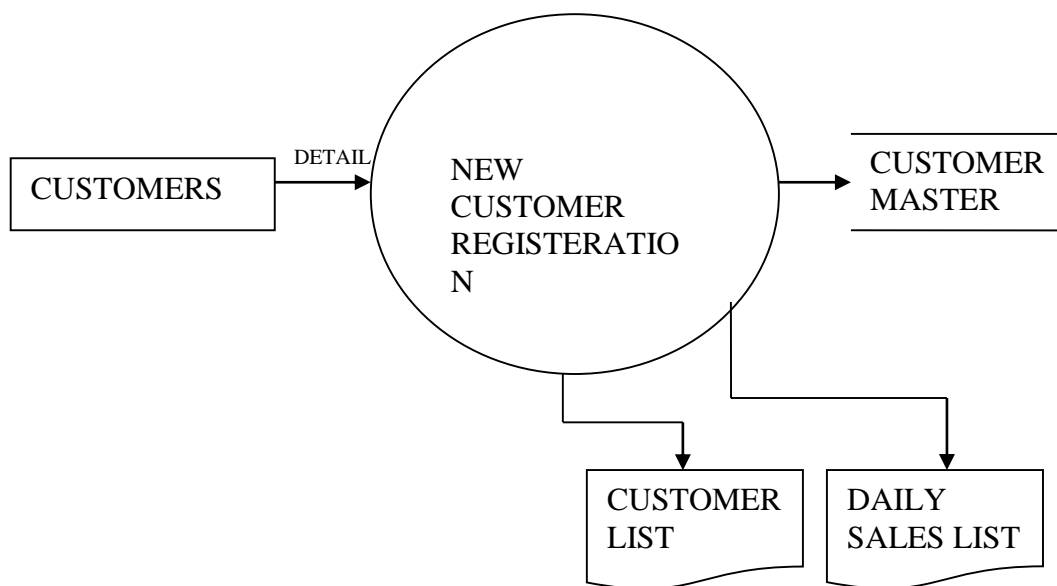
3.2 CONTEXT LEVEL



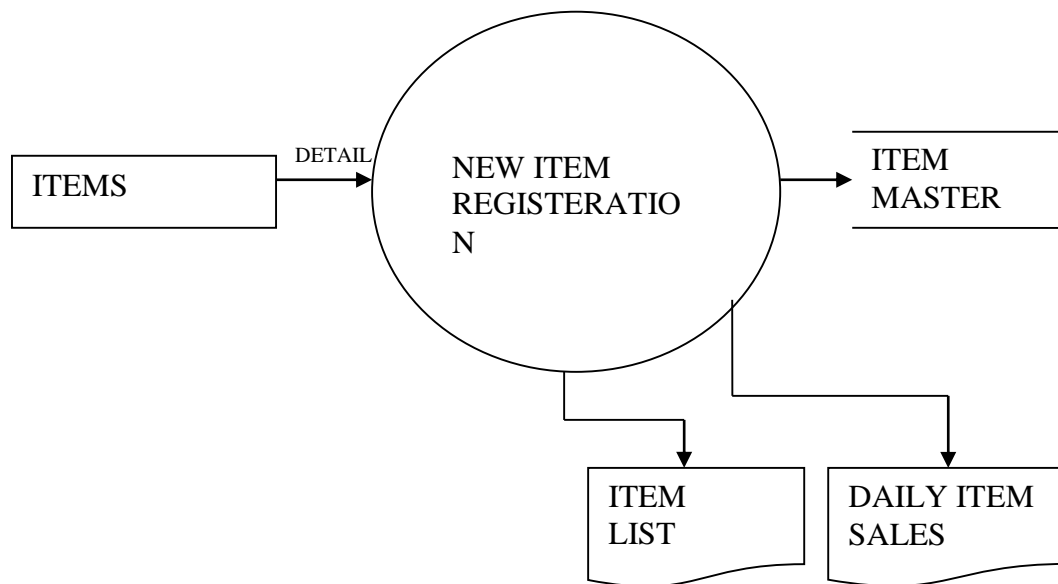
3.3 Data Flow Diagram

FIRST LEVEL

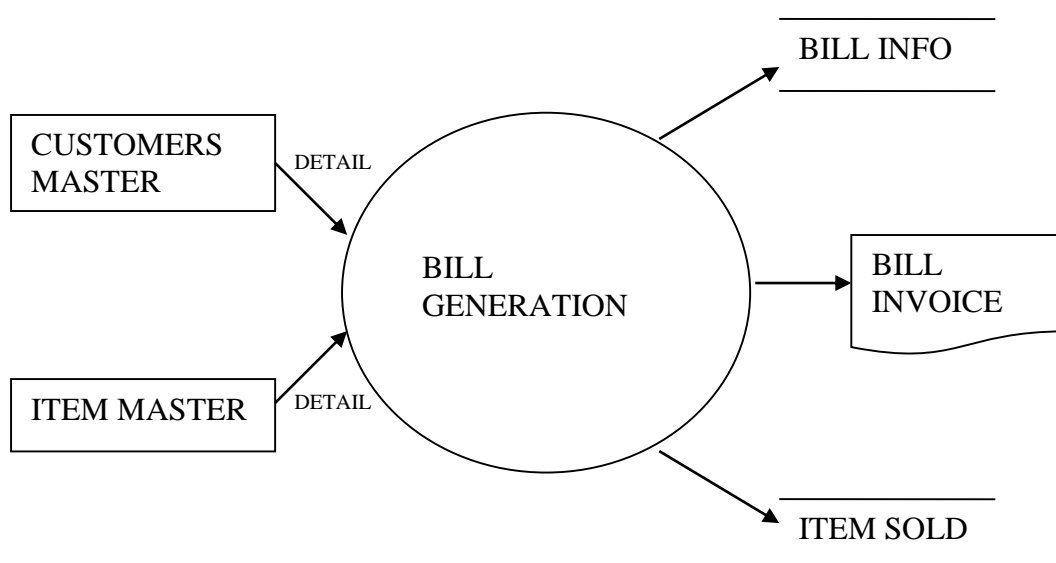
- PROCESS 1



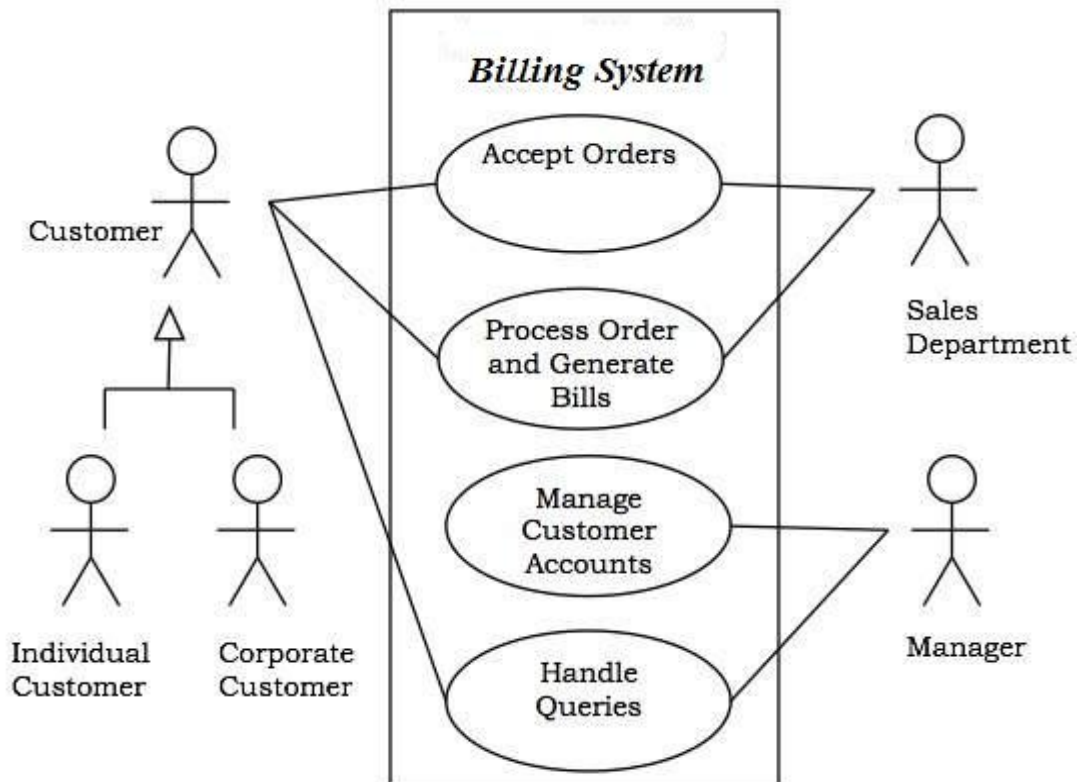
- PROCESS 2



- PROCESS 3



- **Use Case Diagram**



Step-By-Step Description

1. The customer log in his/her account by entering login ID and password.
2. The customer selects the product and places his/her order.
3. The Sales Dept./owner acknowledges the order and process it.
4. A bill is generated and converted into PDF format for customer.
5. Accounts of customers are managed using MS Access Database.
6. Queries and reports are acknowledged and handled.