Mini Project Synopsis

On Pharmacy database system

Submitted as a part of course curriculum for

MINORS IN

DATABASE MANAGEMENT SYSTEM

Under the guidance of
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Submitted by

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Problem Statement :

To create an efficient Pharmacy Management System

Introduction :

The main aim of the project is the management of the database of the pharmaceutical shop. This project is insight into the design and implementation of a Pharmacy Management System. This is done by creating a database of the available medicines in the shop. The primary aim of pharmacy management system is to improve accuracy and enhance safety and efficiency in the pharmaceutical store. The aim of this project is to develop software for the effective management of a pharmaceutical store. We have developed this software for ensuring effective policing by providing statistics of the drugs in stock.

Objectives :

1. To develop an application that deals with the day to day requirement of any pharmacy.

2. To keep track of drugs purchased from companies

3 .It will also help the pharmacist store the history of purchases of a person as it may be needed in the future

4.To provide details information about the stock on details necessary and help locate it in shop easily.

Entities and Attributes :

1. USER

Attributes:

- Name
- Address
- Age
- Password
- Phone
- Dob
- Id

2.LOGIN

Attributes:

- Name
- Type
- Date
- Time
- id

3 COMPANY

Attributes:

- name

- address
- phone

4.PURCHASE

Attributes:

- company-name
- barcode
- type
- amount
- quantity
- name
- price

5. SALE

Attributes:

- barcode
- dose
- type
- price
- amount
- name
- quantity
- date

6. HISTORY_SALE

Attributes

- username
- barcode
- dose
- type
- price
- amount
- Date
- Time
- Name
- Quantity

7) MESSAGE_HISTORY

Attributes

- Message-from
- Message-to
- Message-text
- Sender-id

8) DRUG

Attributes

- name
- type
- barcode
- dose

- code
- cost-price
- sell-price
- expiry
- company-name
- production-name
- expiration-date
- place
- quantity

9) EMPLOYEE

- name
- emp-id
- phone-no

Relationships:

- Places

It has a Cardinality Ratio of 1:N because one company can place many bundle of stocks

- Has

It has a Cardinality Ratio of M:N because many bundles has many drugs

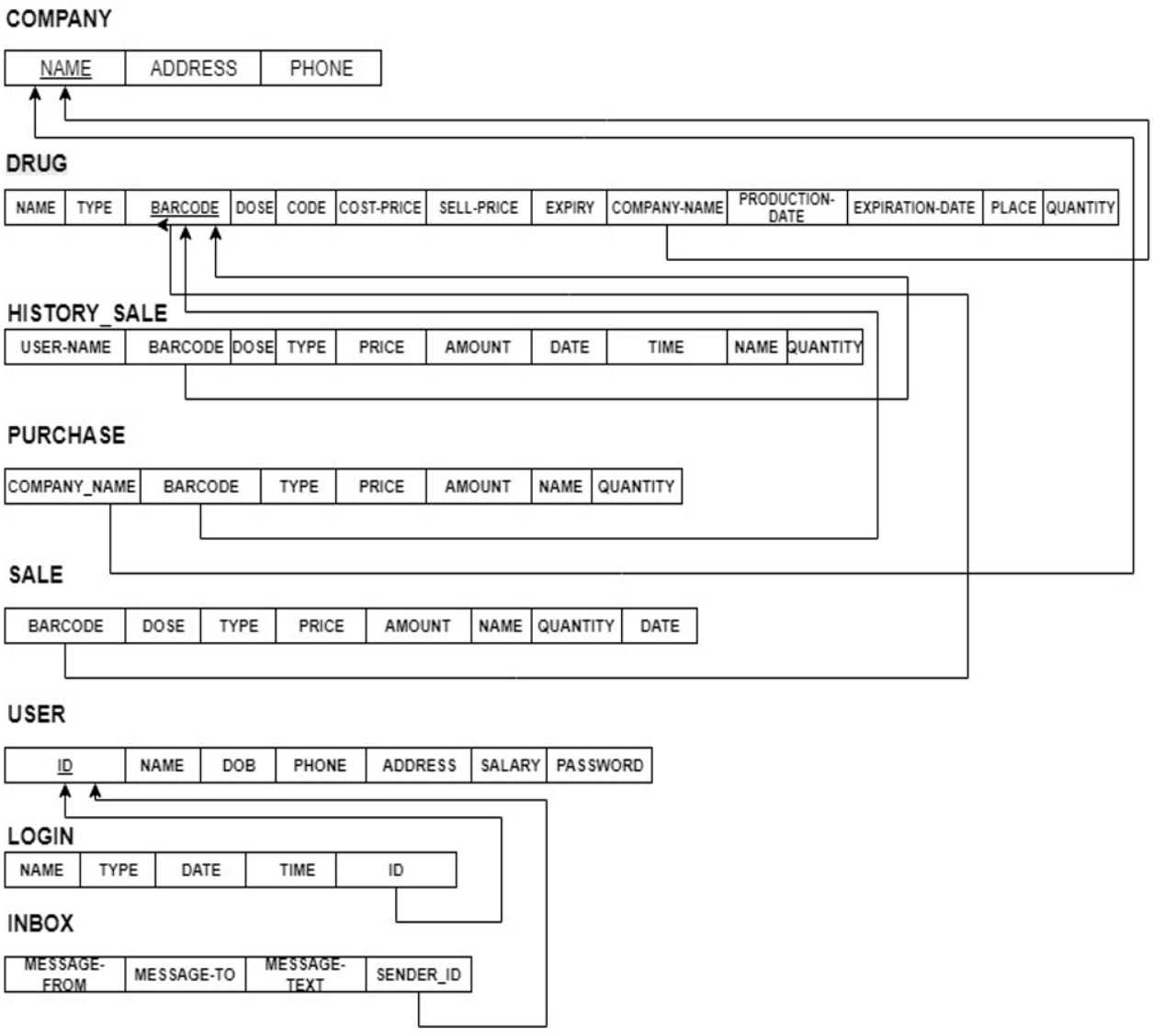
- sale

It has a Cardinality Ratio of 1:N because one drug has many transaction of sales

- buys-from

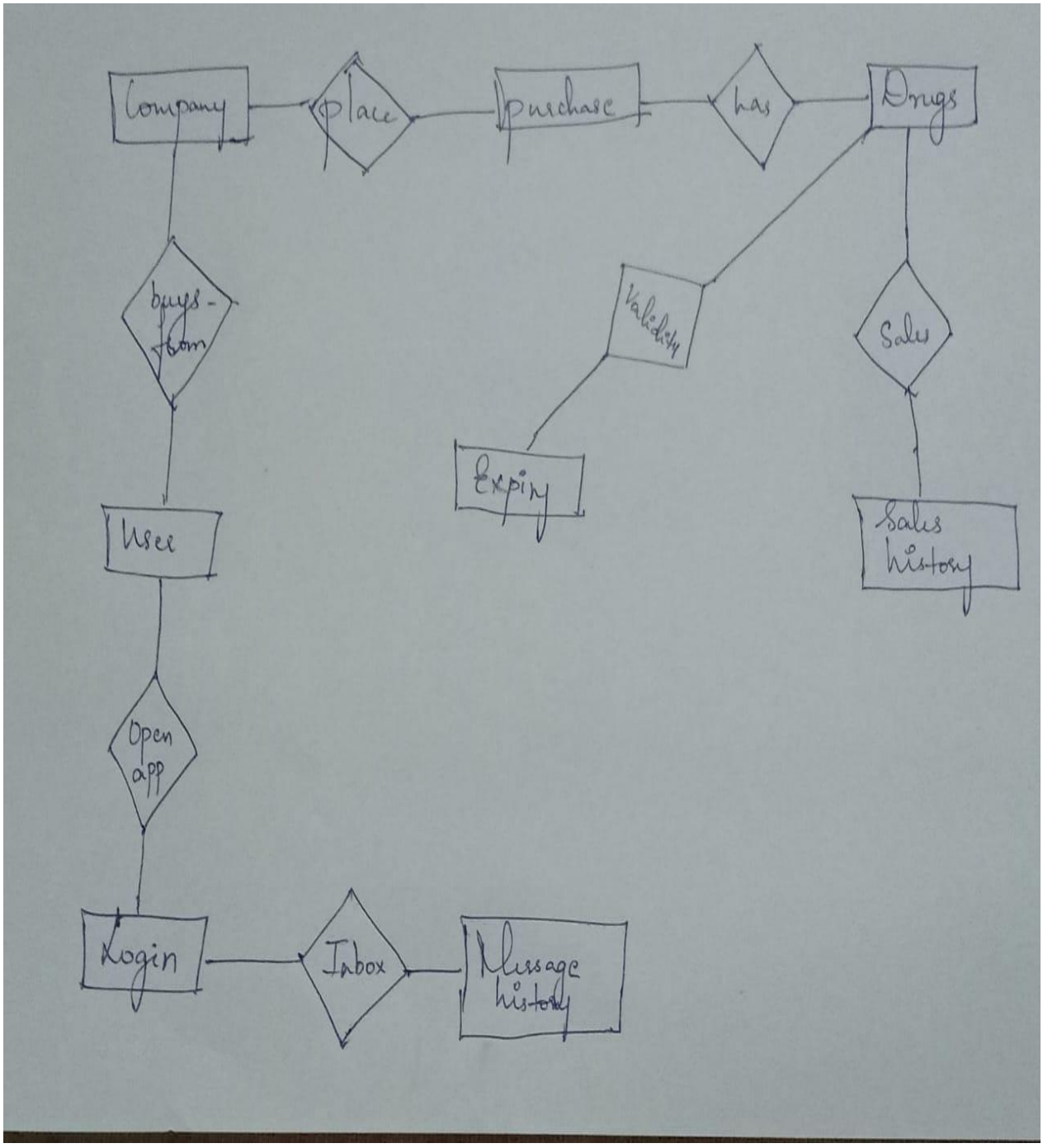
It has a Cardinality Ratio of M:N because many users can buy from many companies

RELATIONAL SCHEMA



CONCEPTUAL MODEL OF THE DATABASE DESIGN:

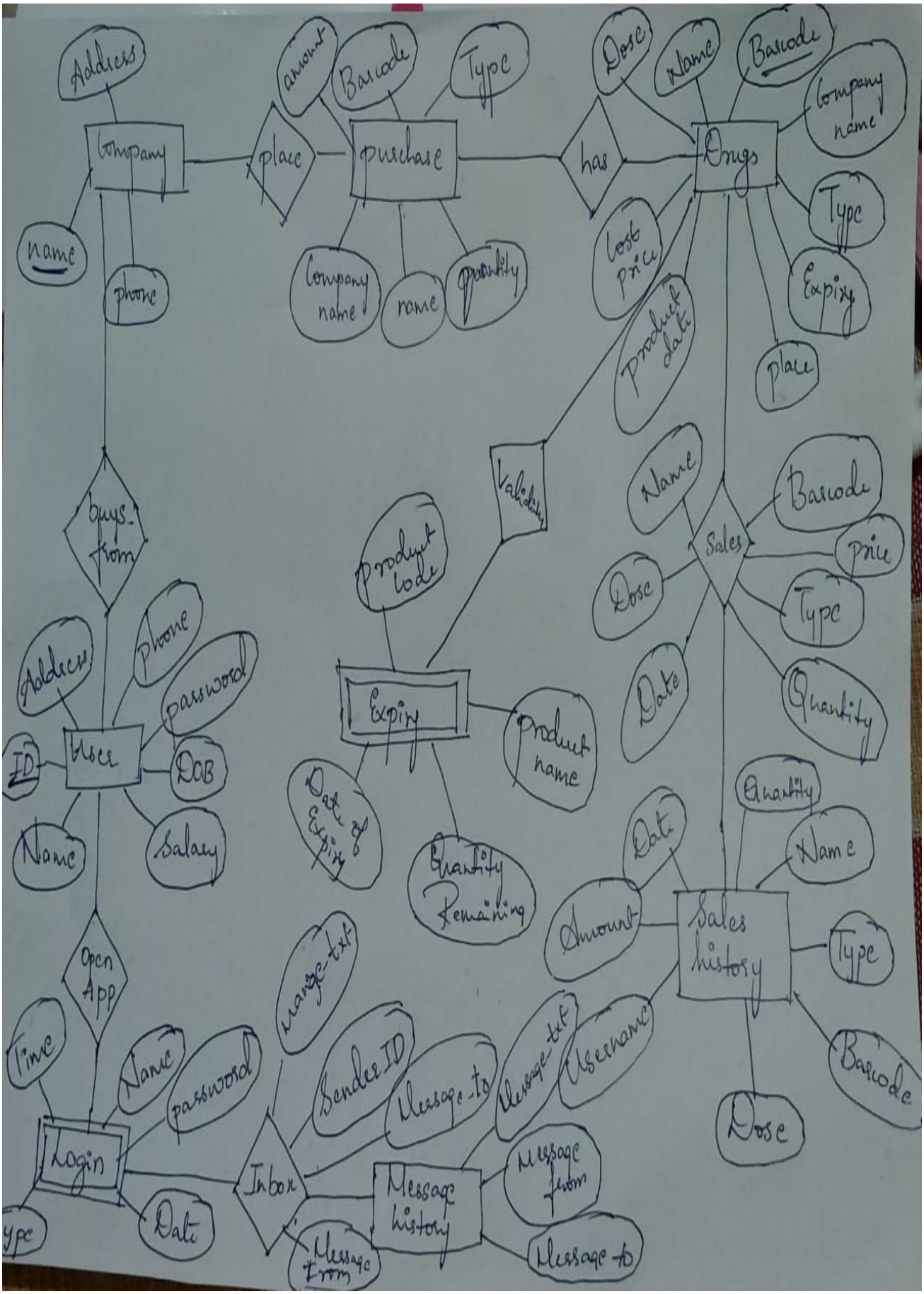
STAGES OF ER DIAGRAM:



We made a rough idea of the database as to how things should work . it starts with user who can login with given credentials and this credentials to be stored as history . The user who can

choose , which company to buy from as per there needs . the company which buys bundles from manufactures with variety of drugs . The record of drug purchase to be maintained . The drug details and expiry drugs details too .

Final ER diagram:


Address
Company
name
phone
place
amount
Barcode
Type
Purchase
Company name
name
Quantity
has
Dose
Name
Barcode
Drugs
Company name
Type
Expiry
Cost Price
Product code
Validity
Product date
place
buys-from
Address
phone
password
ID
User
DOB
Name
Salary
Product code
Expiry
Date of Expiry
Quantity Remaining
Product name
Name
Barcode
Sales
Price
Dose
Type
Date
Quantity
Quantity
Date
Name
Amount
Sales history
Type
Barcode
Dose
Open App
Time
Name
password
Login
Type
Date
Inbox
Merge-txt
Sender ID
Message-to
Message history
Message-txt
Username
Message from
Message-to
Message from

ER tool:

The we choose is DIA

The reason we chose this editor is because its user friendly. Easy installation

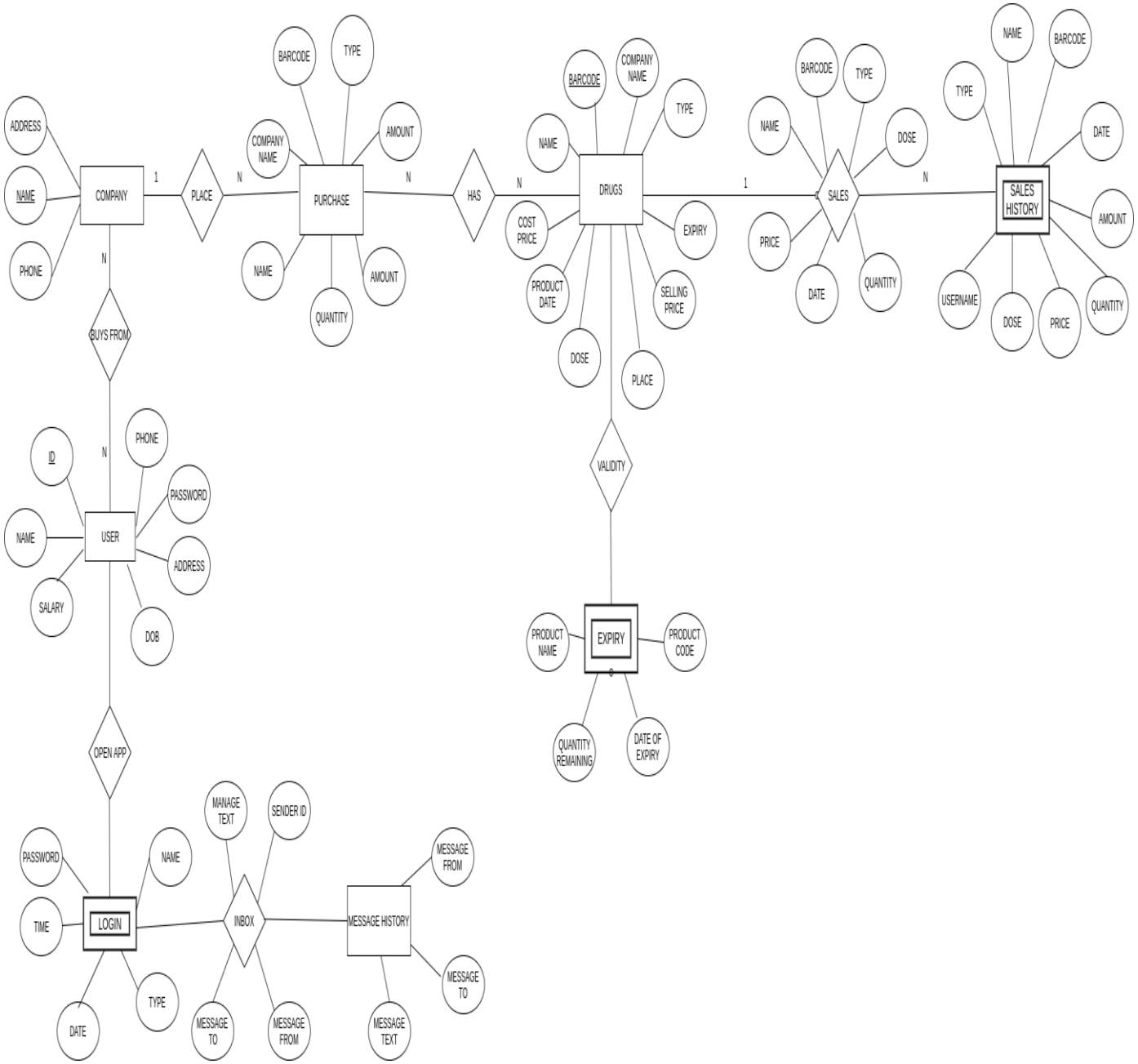
http://dia-installer.de/download/index.html.en

https://www.youtube.com/watch?v=kQV9rbTINoY

we understood about diagram editor through online and download it with the help of the above mentioned links.

Below snapshot is the outcome of the app we used.

ER DIAGRAM:



CONTRIBUTION

BASANAGOUDA S HADIMANI -PES2UG19CS089 – HAND DRAWN ER DIAGRAM, RELATIONAL SCHEMA
BHAGYASHREE SHANKAR-PES2UG19CS085- CHOOSING TOOL, ER DIAGRAM USING TOOL.
BHAVANA R- PES2UG19CS089-CHOOSING ENTITY, ATTRIBUTES, COMPLETING REPORT.