A PROJECT REPORT

ON

"Furniture H/W Inventory Management System"

SUBMITTED TO

BHAVAN'S SHREE H.J. DOSHI INFOTMATION TECHNOLOGY INSTITUTE,

JAMNAGAR

AFFILICATED TO

SAURASHTRA UNIVERSITY, RAJKOT

FOR THE COURSE OF

BACHELOR OF COMPUTER APPLICATION

(5th SEM)

SUBMITTED BY:

KAUSHAL TARPARA

UNDER THE GUIDENCE OF

HIRAK SIR

BHAVAN'S

SHREE H. J. DOSHI

Information Technology Institute,

Jamnagar

Certificate

Project Ref. No. : BCA_05_2021/ **28**

This is to Certify that

Mr./Ms./Mrs. **Kaushal D. Tarapra**

is regular student of B. C. A. Semester 5, Year-2021

The Project on

Furniture H/W Inventory Management System

has been successfully completed for the partial fulfillment of study required by the Saurashtra University, Rajkot for Academic Year 2021 - 2022.

Lect. Hirak Buch
Project Guide

Dr. H. B. Sheth
Director

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[1] INTRODUCTION

[1.1] Project Profile

Project Title:

Furniture H/W Inventory Management System

Project Type:

Windows Application

Front End:

J2EE

Back End:

MySQL

Software Requirement:

Eclipse IDE and JDK 1.8

Project Duration:

3 Months

Developed By:

Kaushal Tarpara

Guidance by:

Lect. Hirak Buch

Submitted To:

BHAVAN'S SHREE H.J. DOSHI INFOTMATION

[1.2] Project Summary:

The Furniture H/W Inventory Management system is dedicated to the requirement of the medium-size business whom have number of transactions.

The Inventory Management is related to sales, Purchase, Items, Customer, suppliers, Stock and other Factors details.

The Application also Provide the remaining balance of the Stock as well as details of the balance of the transition.

[1.2] Purpose

Furniture H/W Inventory Management System Provide Information to efficiently manage the flow of materials, effectively utilize people and equipment.

The Main Purpose is Making Work fast and easy. Also, the system maintains All data of the Business.

Small Paper transections, Paying the tax, billing System (old Paper) are problems of business Whom doing work Fastly.

[2] SCOPE

This is windows base application.

This application used to collect Customer, Supplier, Stock, Brands, Sales, Purchase.

Inventory management or inventory control is a very useful technique for managing the stocks and sales records Managing all these products, sufficient stocks, sales records, also analyzing sales and reordering from time to time is a difficult job. To do it more effectively and correctly a better inventory control or stock management is required.

The scope of this system is to provide user efficient working environment and more output can be generated through this. This system provides user friendly interface resulting in knowing each and every usability features of the system.

[3] Tools Used

1)Front End : Java EE

2)Back End : MySQL

3)Frameworks : JDK 1.8

4)IDE : Eclipse IDE

5)LocalServer : WAMP

6)Plugins : WindowBulider

[4] Data Dictionary

1) tbl_User

Column	Type	P.K ./ F.K. /A.I.
userID	int(3)	Primary key + A. I.
username	varchar(30)	
password	varchar(30)	

2) tbl_items

Column	Type	P.K. / F.K. /A.I.
ItemID	int(5)	Primary key + A. I.
ItemName	varchar(30)	
ItemMetel	varchar(20)	
ItemBrand	varchar(20)	
ItemPrice	int(10)	
ItemProfit	int(3)	
ItemDiscount	int(3)	
ItemTex	int(3)	
ItemStock	int(10)	
ItemTotleCost	int(10)	
ItemUpdateDat e	date	

3) tbl_itembrand

Column	Type	P.K ./ F.K ./A.I.
BrandID	int(3)	Primary key + A. I.
BrandName	varchar(30)	
BrandContectN umber	double	

4) tbl_order

Column	Type	P.K ./ F.K ./A.I.
OrderId	int(5)	Primary key + A. I.
InvoiceID	int(5)	
CustomerName	varchar(50)	Foreign Key
ItemID	int(5)	Foreign Key
ItemName	varchar(30)	
Price	int(10)	
ItemQuantity	int(10)	
ItemProfite	int(3)	
Tax	int(3)	
Discount	int(3)	
TotleAmount	int(10)	
Date	Date	

5) tbl_purchase

Column	Type	P.K. / F.K. /A.I.
PurchaseID	int(5)	Primary key + A. I.
InvoiceID	int(5)	
SupplierName	varchar(50)	Foreign Key
ItemID	int(5)	Foreign Key
ItemName	varchar(50)	
ItemQuantity	int(10)	
Price	int(10)	
Tax	int(3)	
TotleAmount	int(10)	
Date	Date	

6) tbl_customer

Column	Type	P.K. / F.K. /A.I.
CstID	int(5)	Primary key + A. I.
Cstname	varchar(50)	Primary key
CstAddress	varchar(100)	
CstMoblieNo	bigint(10)	
CstGSTNumber	varchar(15)	
CstShopName	varchar(30)	
CstState	varchar(30)	
CstRemarks	varchar(200)	

7) tbl_supplier

Column	Type	P.K. / F.K ./A.I.
SupID	int(5)	Primary key + A. I.
SupName	varchar(30)	Primary key
SupAddress	varchar(100)	
SupMoblieNo	bigint(10)	
SupGSTNumber	varchar(15)	
SupShopName	varchar(30)	
SupState	varchar(30)	
SupRemarks	varchar(200)	

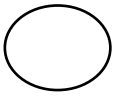
[5]. Data Flow Diagram(DFD)

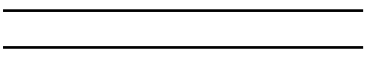
DFD (Data Flow Diagram):

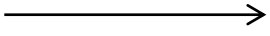
The DFD (Data Flow diagram) is a graphical representation of 'flow' of data through on information system, modeling its process aspects. A DFD is often used as a preliminary step to create and overview of system, which can later be elaborated. DFD can also be used to for visualization of data processing.

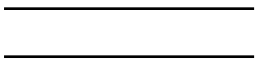
A DFD shows what kind of information will be input to and output from system, where the data will come and go to and where the data will be started. It doesn't show information about timing of process or information about whether process will operate in sequence or in parallel.

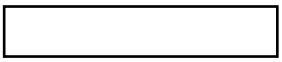
An External entity

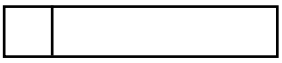
Function 

Data Store 

Data flow 

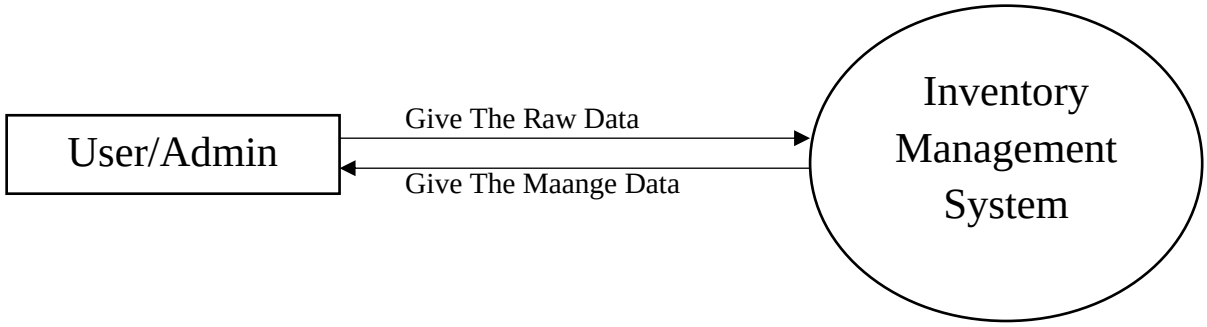
Database set 

Input/output 

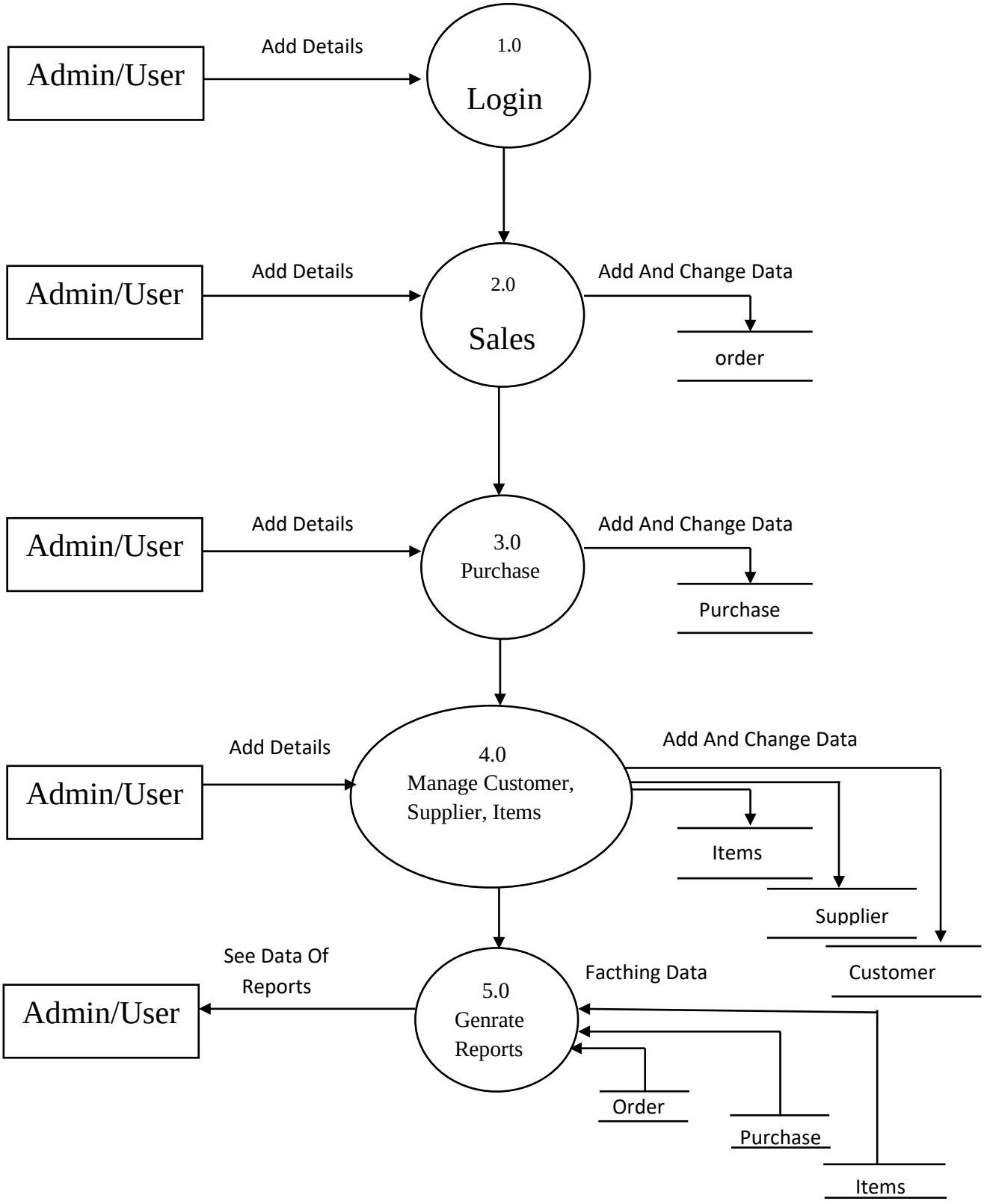
Data Store 

Process

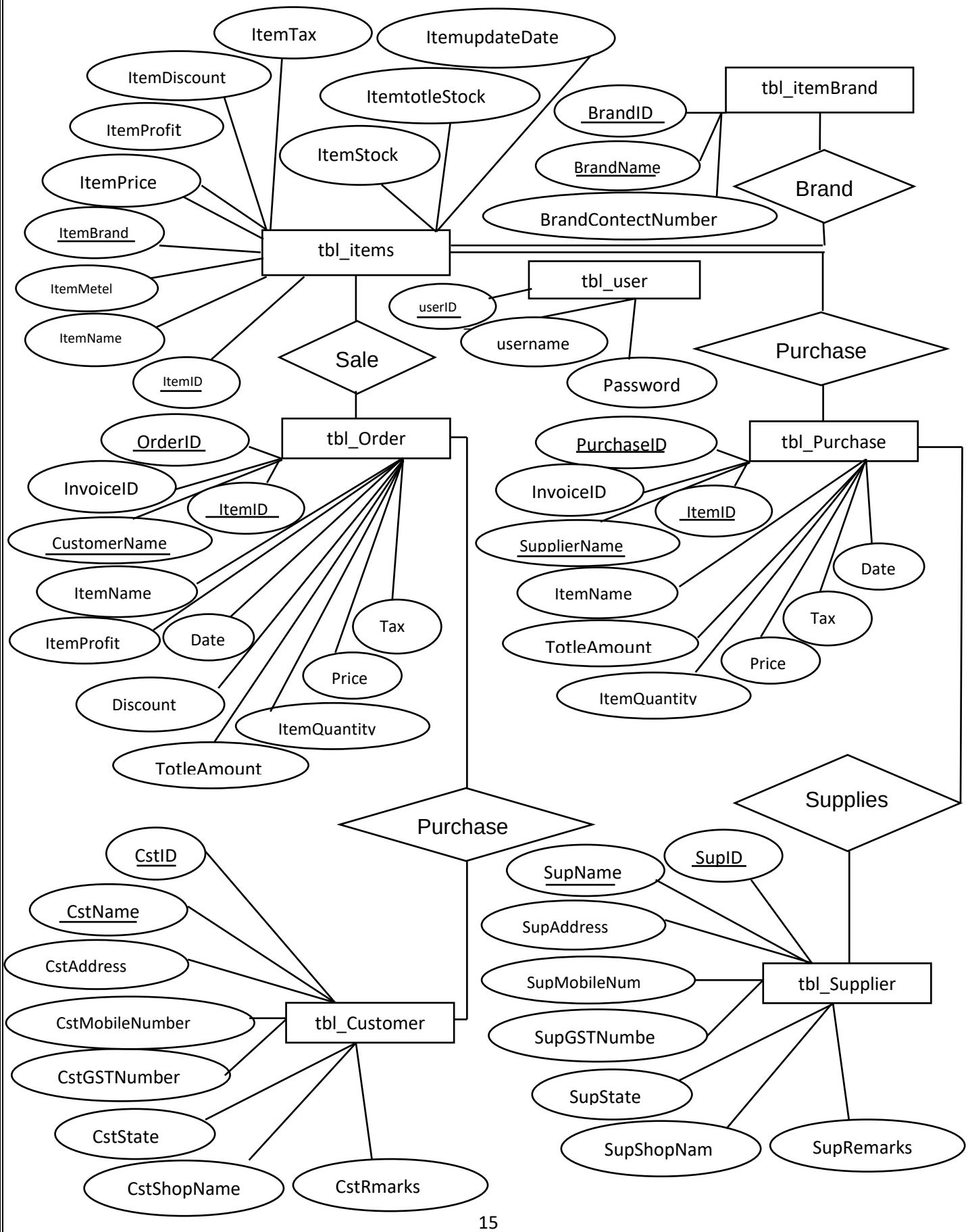
1) Context Or Zero Level DFD



2)First Level of DFD



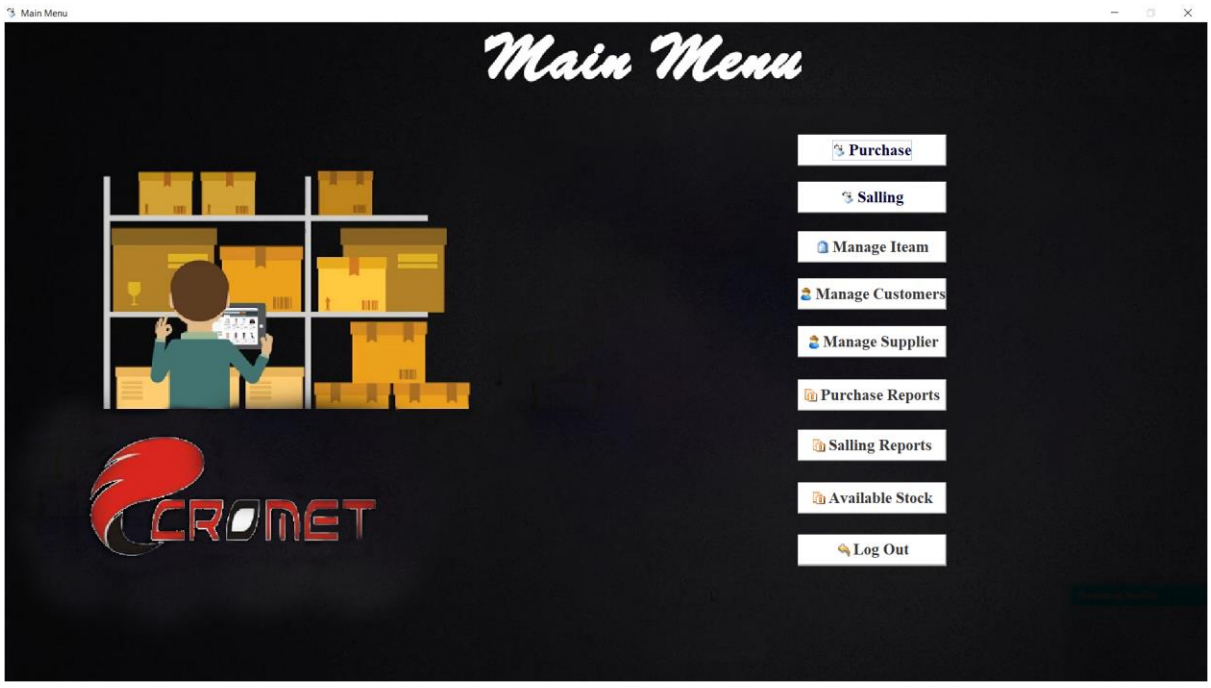
[6]. Entity Relationship Diagram



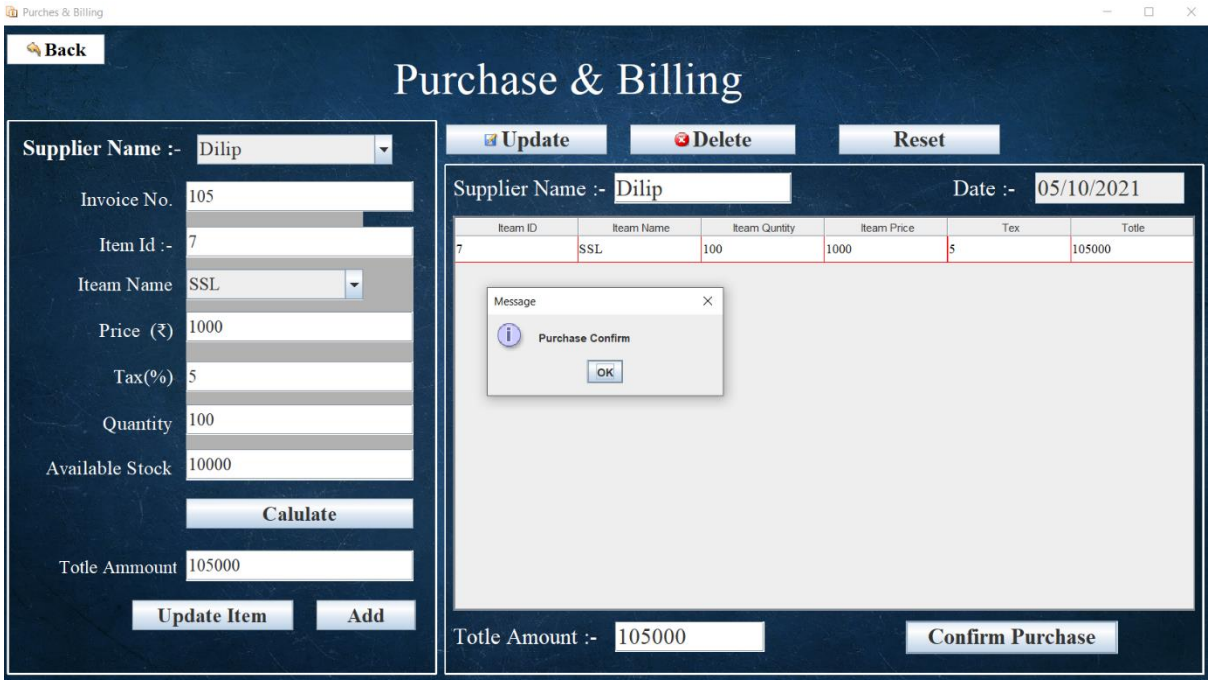
[7].Forms Layout (Screenshots)

1) LogIn

2)Main Menu

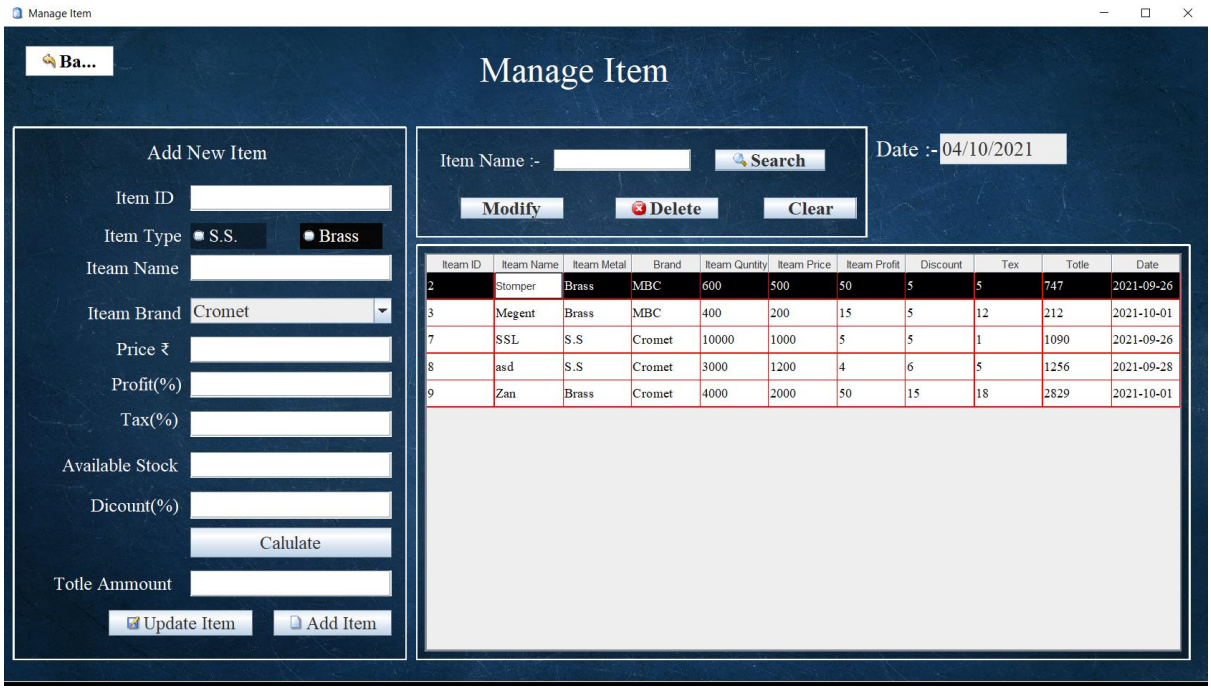


3)Purchase & Billing

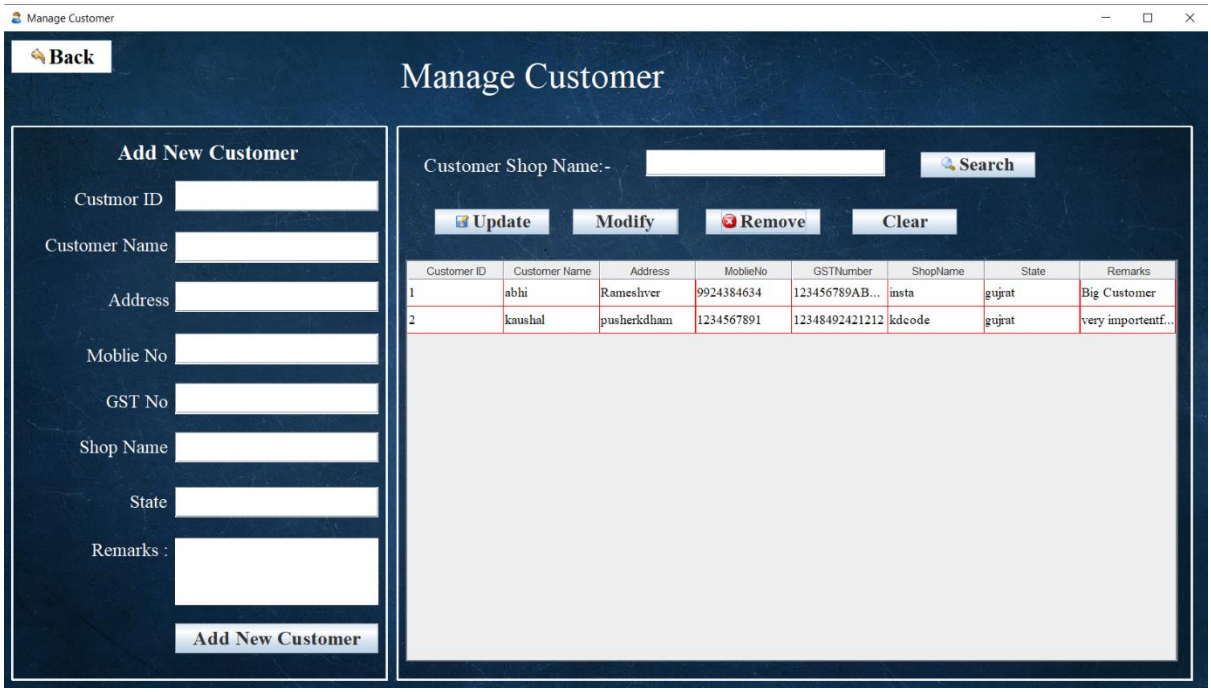


4)Salling & Billing

5)Manage Items

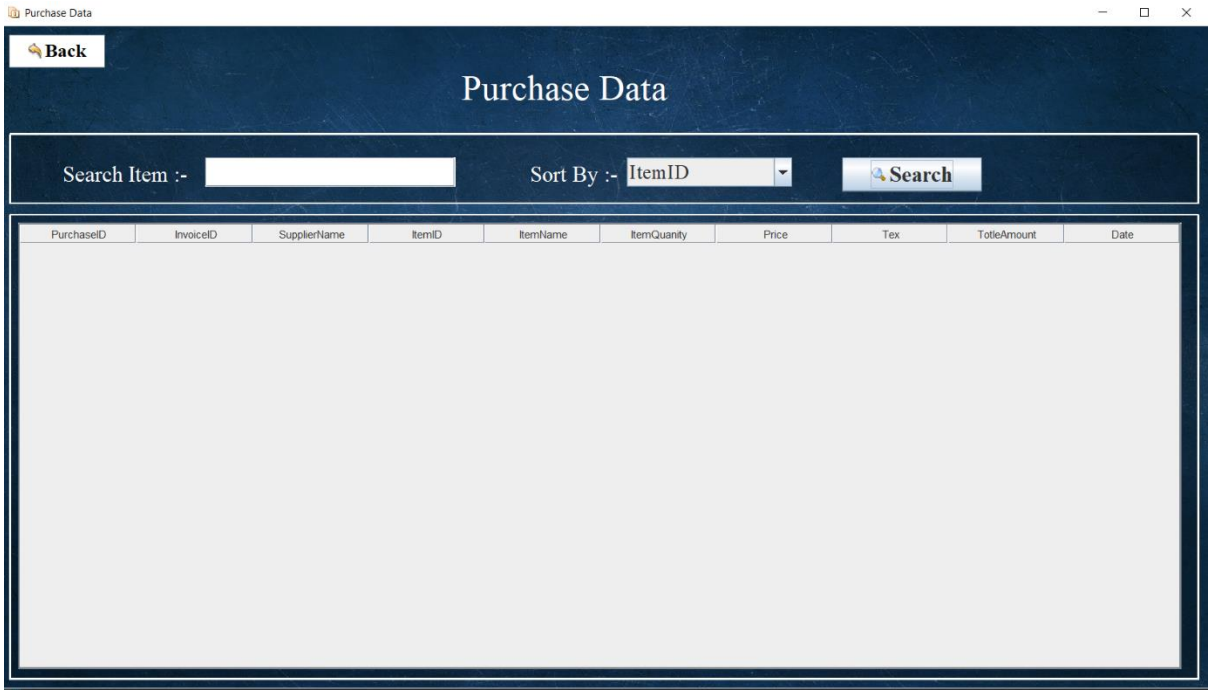


6)Manage Customers

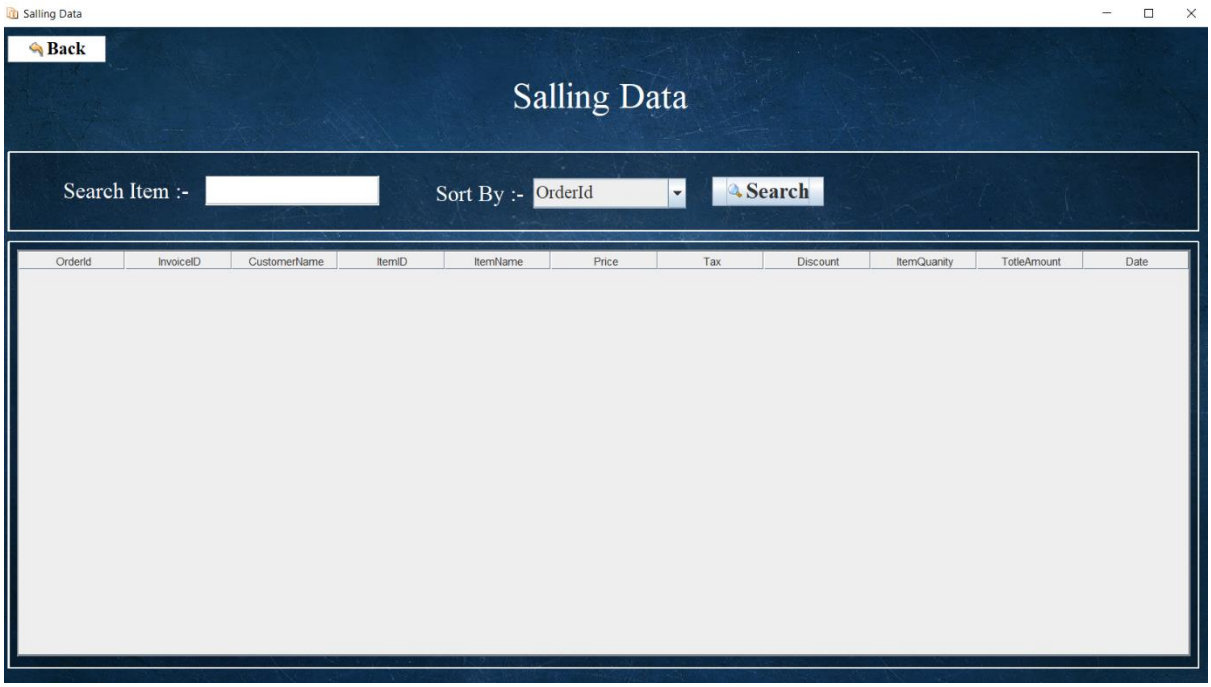


7)Manage Supplier

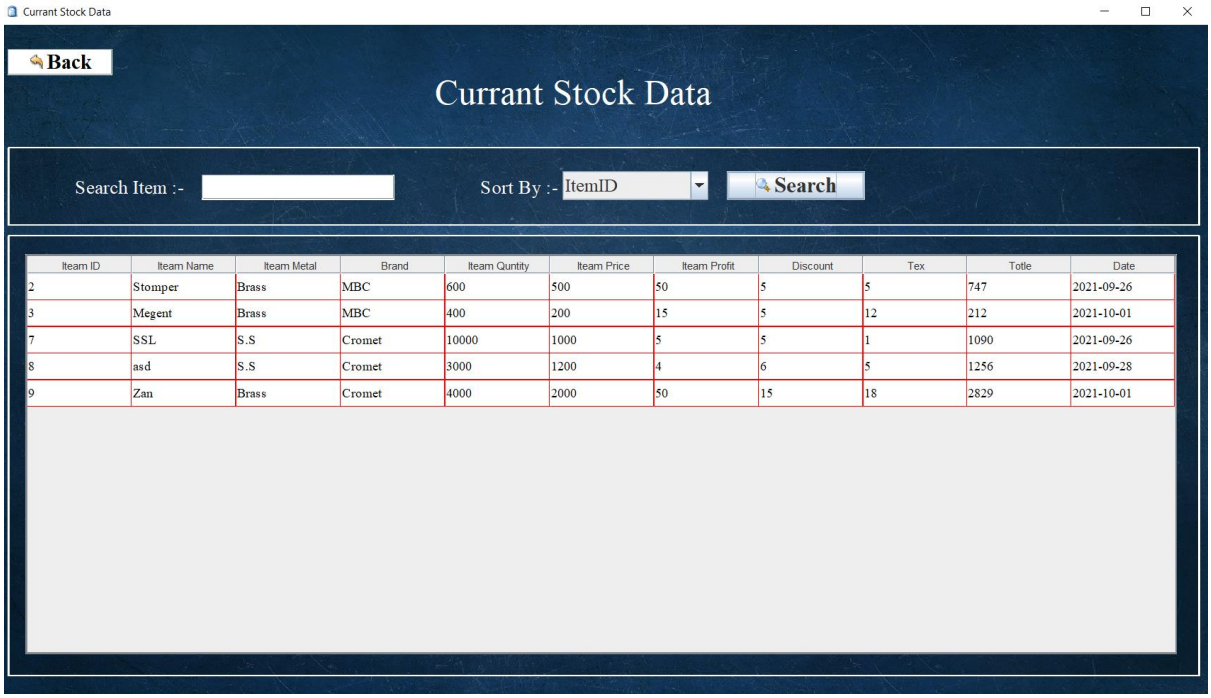
8)Purchase Data



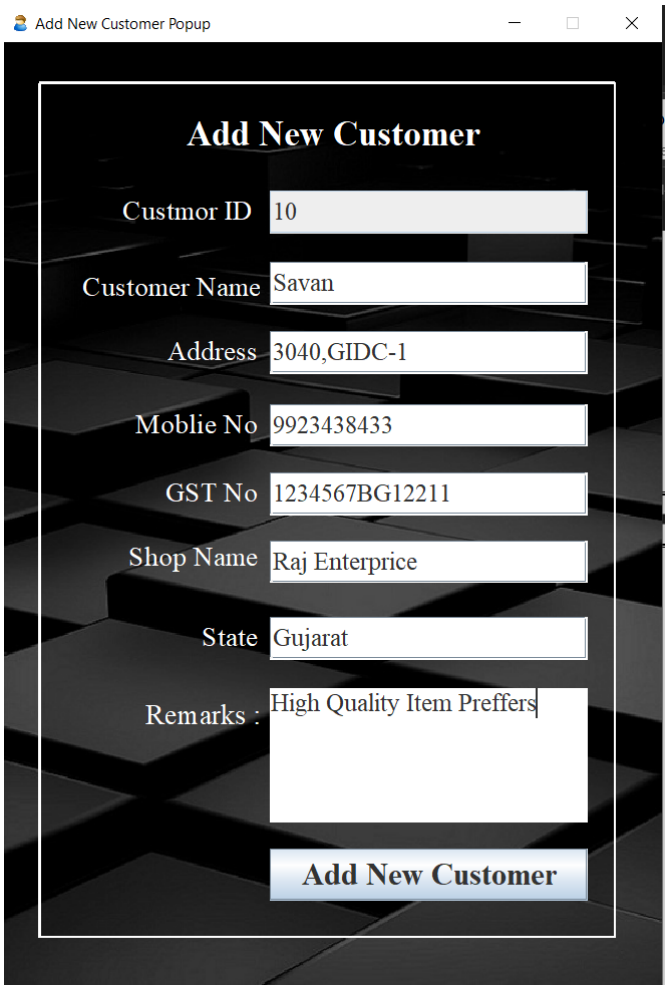
9)Sales Data



10)Stock Data



11)Add New Customer Popup



[8]. Limitation & Future Enhancement

Limitation

- It's not work on WAN network.
- Some Validation – I can't give Some fildes validation because of the time limit.
- Some Buges in application – I can't fix bug because of the time limit.

Future Enhancement

- Making the UI more user friendly.
- Multilanguage Support.
- Developing the android app for accessing application in stan alone way.
- Print a Sales and Purchase invoice.

[9]. BIBLIOGRAPHY

The bibliography contains references to all the documents that were used to develop the application.

Books

A) Java 2 Complete Reference
B) Analysis and Design of Information System (James A. Senn)

Web Sites

- www.stackoverflow.com
- www.c#corner.com
- www.tutorialspoint.com