

Inventory Management System

END OF SEMSTER PROJECT WORK

DCIT 308

ID:10865576

1.1 Problem Statement

Manually maintaining the records for each product is really challenging. The process takes a long time. Managing the information is not recommended since it can cause difficulties, such as missing records that were stored offline, which make it impossible to recover the data.

1.2 Importance

This makes it easier for us to handle and retrieve the information. Additionally, this aids in checking the goods they already have on hand and updating it as needed. This cuts down on the time it takes to find the product in the stock that is currently on hand. An inventory system's job is to keep track of your supplies and goods. Inventory management is the act of keeping track of the components that a business orders, stores, and utilizes to make the goods it sells.

2. Overview and Planning

2.1 Proposed System Overview

The following modules are part of this system:

□ Login

The seller gives the user name and password and logs into the system.

□ Register

The seller gives the necessary details and register into the system

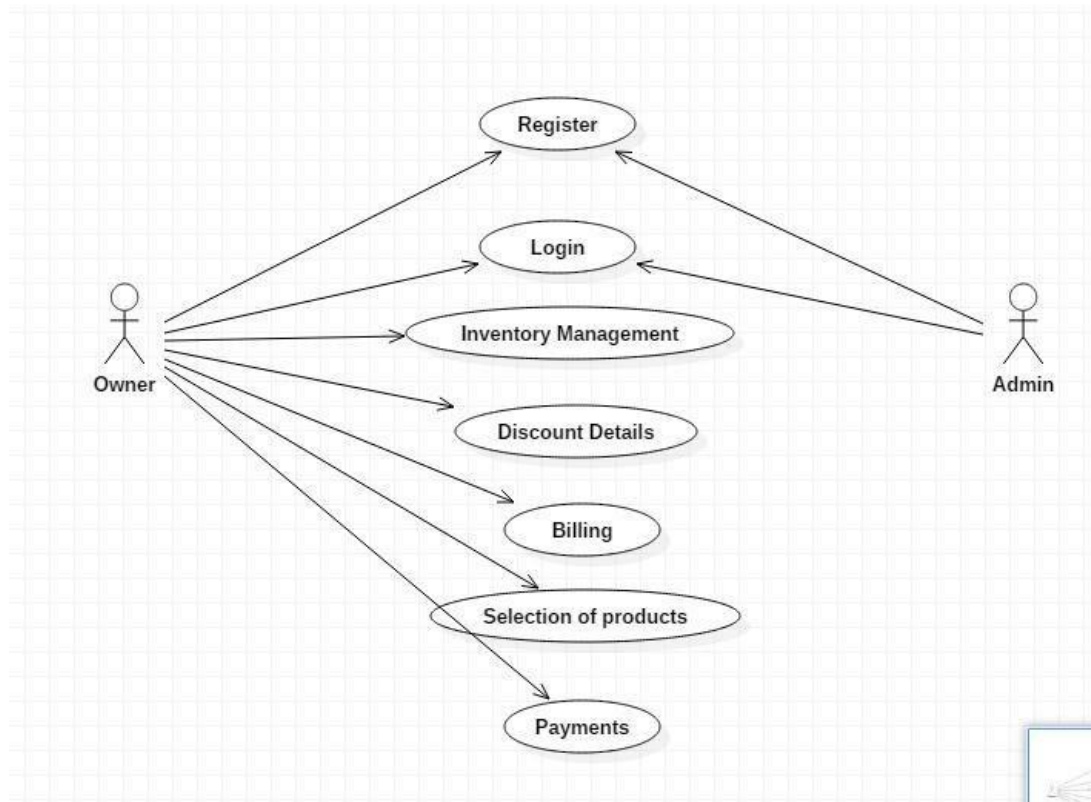
□ View and select product

When a product is selected, the database's list of available items is presented. The entire amount of the product that was chosen is shown. Discounting is added to preserve the relationship between the consumer and the owner.

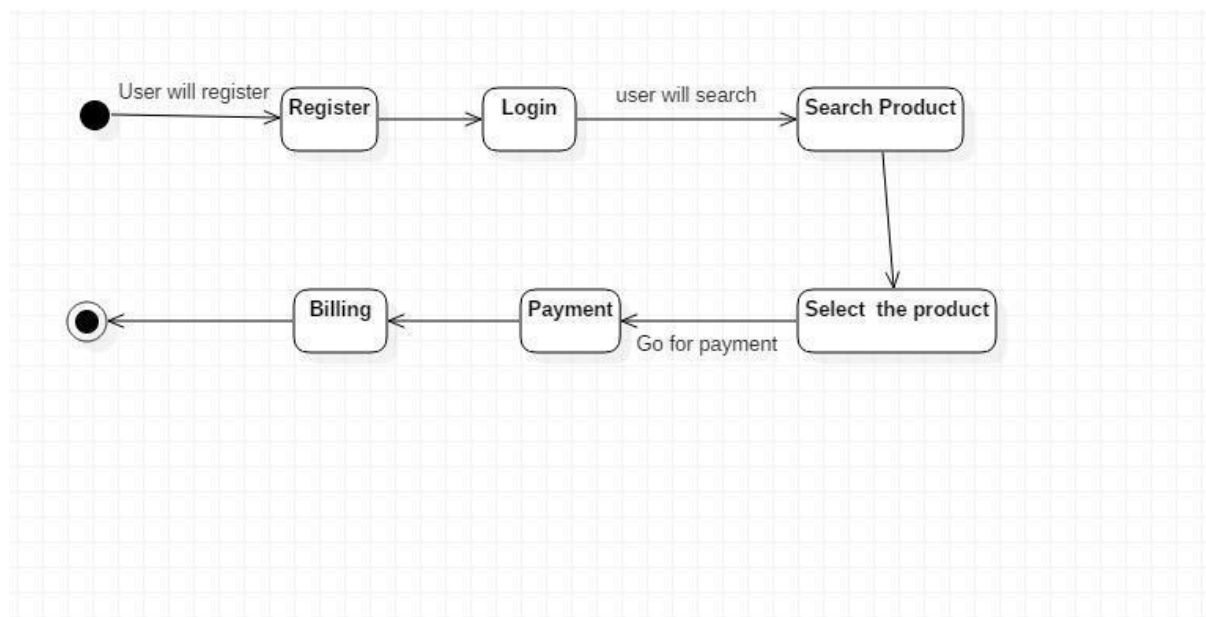
□ Billing

The number, together with the specifics of the chosen goods, are presented after choosing the products and quantity.

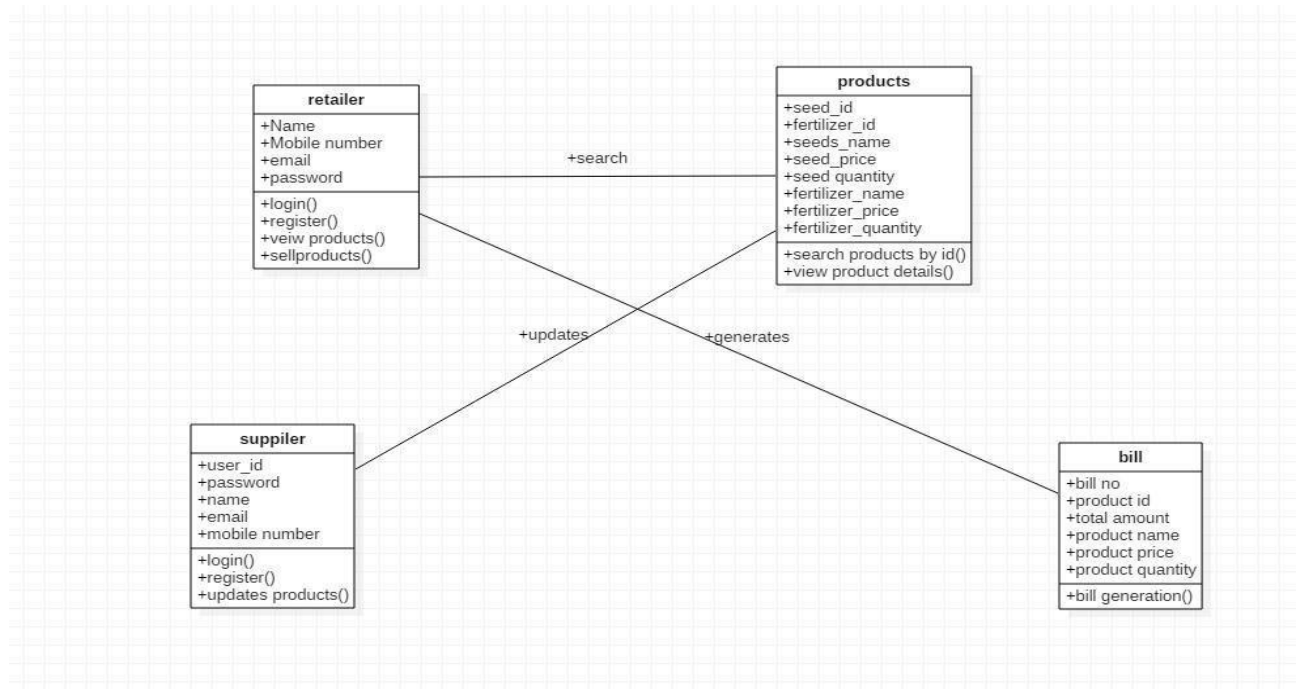
USECASE DIAGRAM



STATECHART DIAGRAM

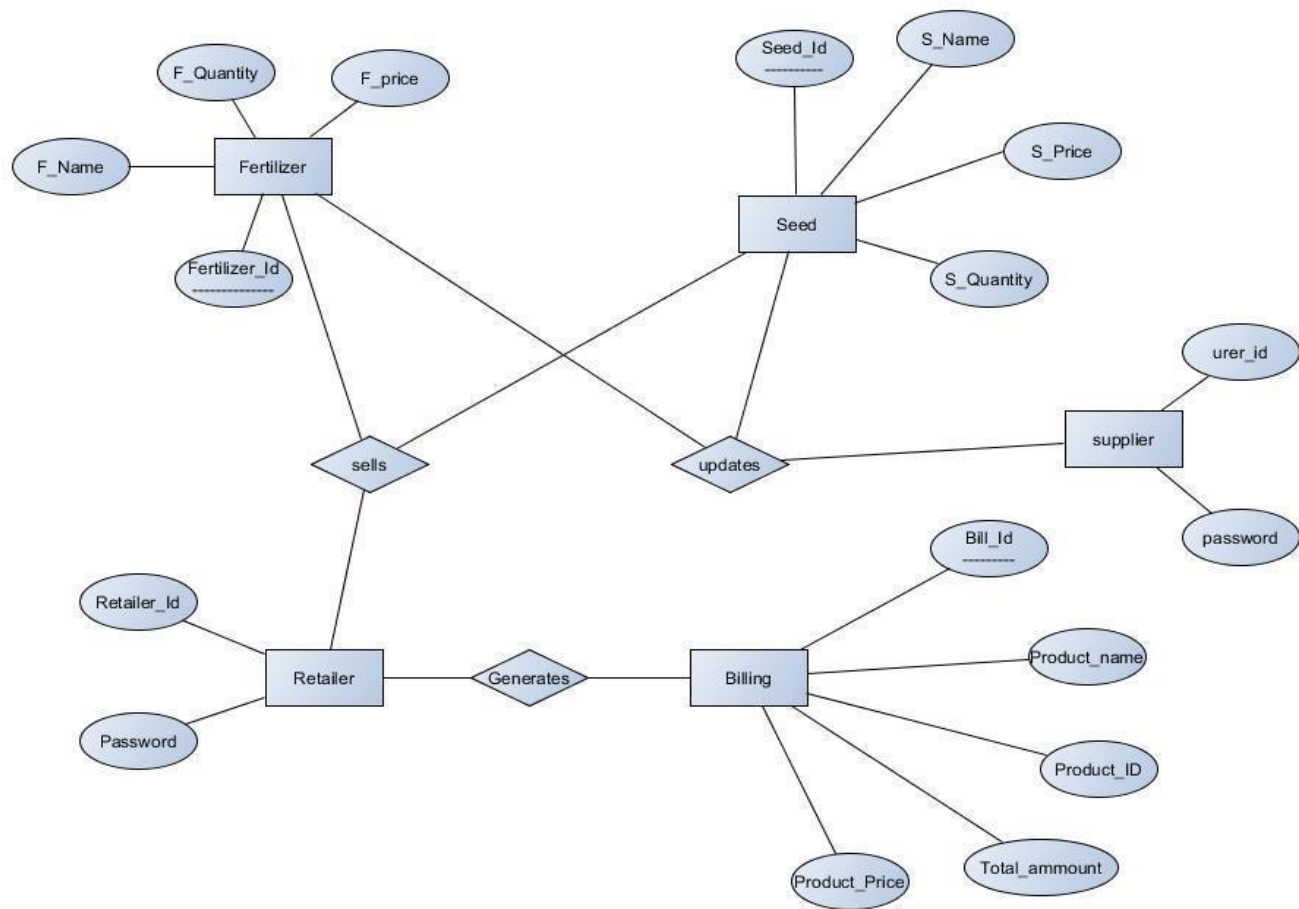


CLASS DIAGRAM

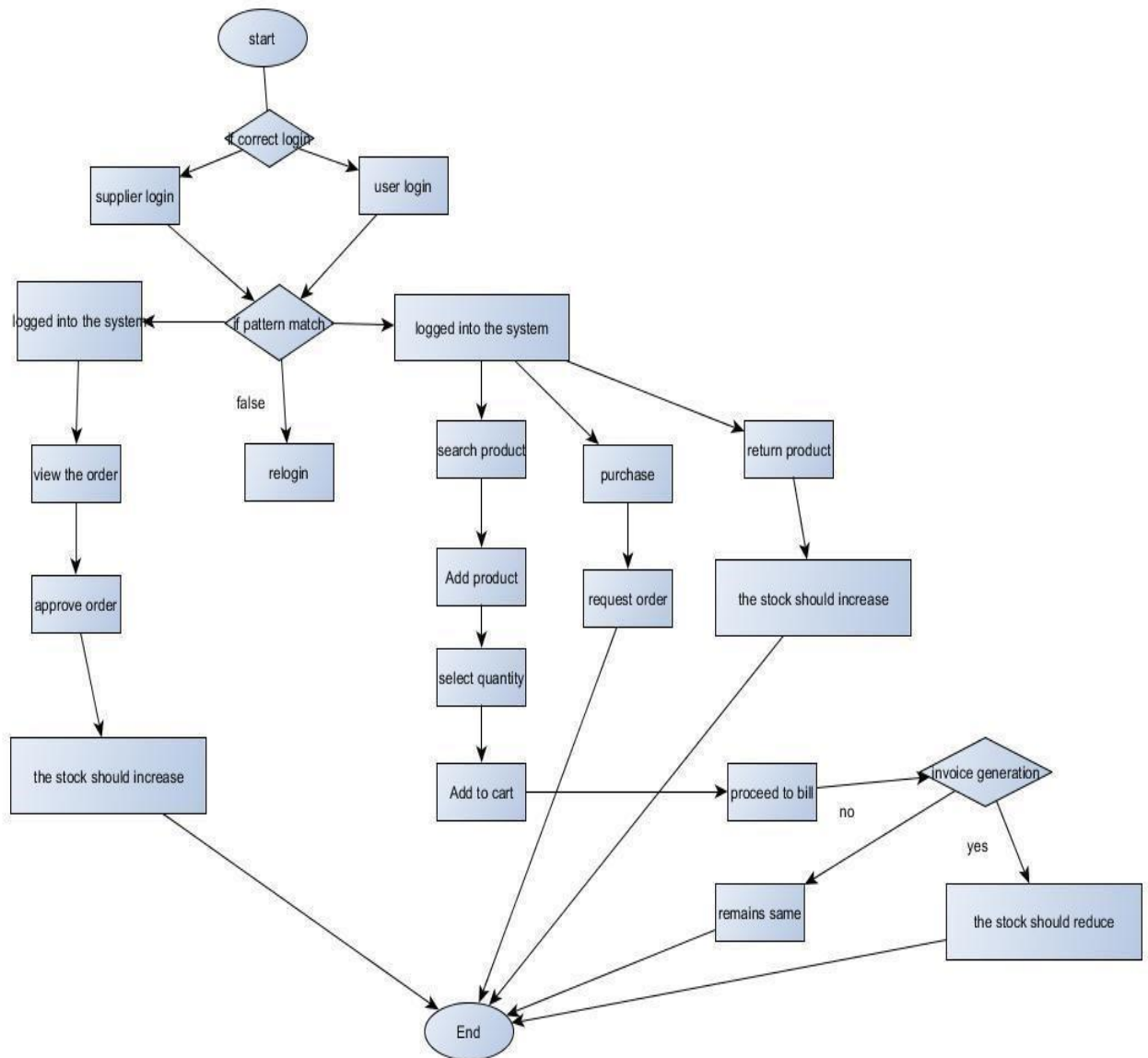


3.2 Low-Level Design

ER DIAGRAM



4. System Implementation



4.1 Output/Results

RETAILER LOGIN

Username	admin
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Password 123

Login

SUPPLIER LOGIN



Add Product

Item Id:

ft6

Item Name:

groundnut

Quantity:

30

Price Per Unit:

400

MFD:

4/5/2017

EXP:

4/4/2019

Batchno:

h23

Add Product

Back

Message

Product Successfully Added

OK

Back

Search Product

Item_Id:

ft6

Search Product

ft6

Item_Name:

groundnut

Qunatity (in lit/kg):

6

Price Per Unit:

400

Total Price:

2400

Add to cart

Back


Search Product

Item_Id:

ft6

Search Product

ft6



Item_Name:

groundnut

Qunatity (in lit/kg):

6

Price Per Unit:

400


Total Price:

2400

Add to cart

item_id	item_name	quantity	price	mfd	exp	batchno
400	4/5/2017	4/4/2019	h23			

Message



Product Successfully Added to cart

OK

Back

item_id	item_name	quantity	unit price	total price
ft6	groundnut	6	400	2400
ft6	groundnut	6	400	2400
ft6	groundnut	5	400	2000

Total Amount

6800

Proceed to bill

Inventory

Display Inventory

Back

Item_Id	item_name	quantity	price	mfd	exp	batchno
ft5	sulphate	40	900	5/10/2017	6/10/2018	h789
ft4	ammonia	39	700	03/10/2017	03/10/2018	t200
ft3	NH4	50	700	22/11/2017	22/11/2018	b85
ft2	ammonia	90	150	20/08/2018	11/12/2019	am123
ft1	urea	57	200	20/10/2018	20/11/2019	asdc1
sd1	Grounnuts	400	300	4/5/2016	4/3/2018	h78
sd2	rice	66	500	4/6/2017	3/8/2108	g77
sd3	chilli	80	500	3/5/2017	5/7/2019	g67
sd4	wheat	90	300	7/2/2017	5/5/2019	h67
sd5	corn	50	900	8/7/2017	7/5/2019	hf6

Bill No: 45

Date: 2018-10-28 17:49:44.0

Item_Id	Item_name	Quantity	price	total_price
ft1	urea	2	200	400

Total Amount: 400

Generate Invoice

Return Product

Item_Id

Item_Name:

Qunatity (in lit/kg)

Price Per Unit

Total Price

Search bill no

item_id	item_name	quntatity	price	totalprice
ft6	groundnut	6	400	2400

Search Date

billno	item_id	item_name	quntatity	price	date
44	ft6	groundnut	6	400	2018-10-...

4.2 Discussion

In future the products can be scanned with the help of barcode scanner. A system can be developed to take order from the customers online and deliver them. The customer relationship can be built with the help of feedback.

5. Conclusion and Future Developments

In this project we have developed a system which helps the retailers to sell and manage their products easily. It covers the functional areas of erp such

as Marketing and sales, Supply chain management, Accounting and Finance and Human Resources. So this can help in increasing the sales of the retailer through the help of the inventory management. So the required products can be bought based on the demand. In future the products can be scanned with the help of barcode scanner. A system can be developed to take order from the customers online and deliver them. The customer relationship can be built with the help of feedback.