SAREE SHOP- POS System

Content

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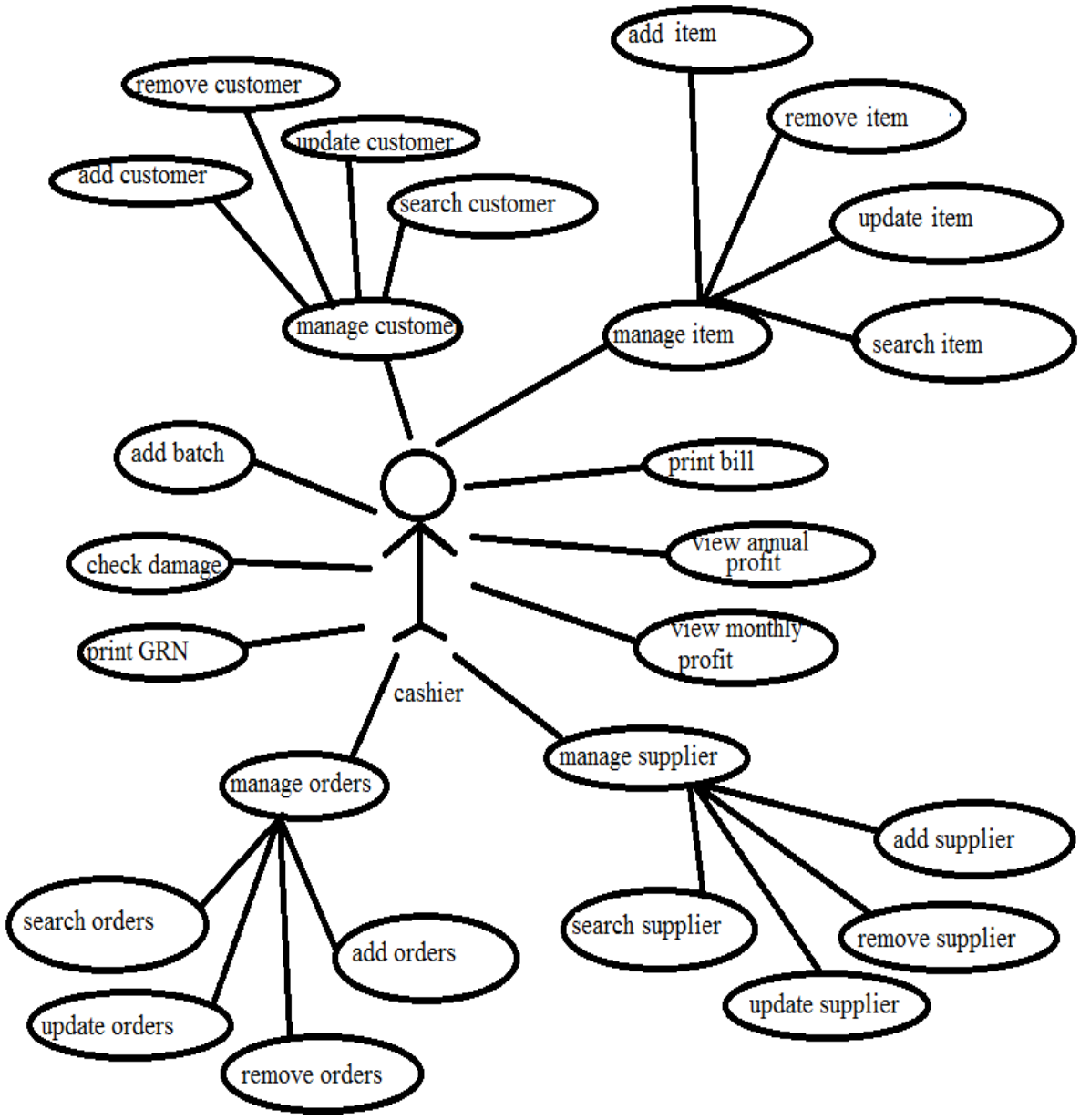
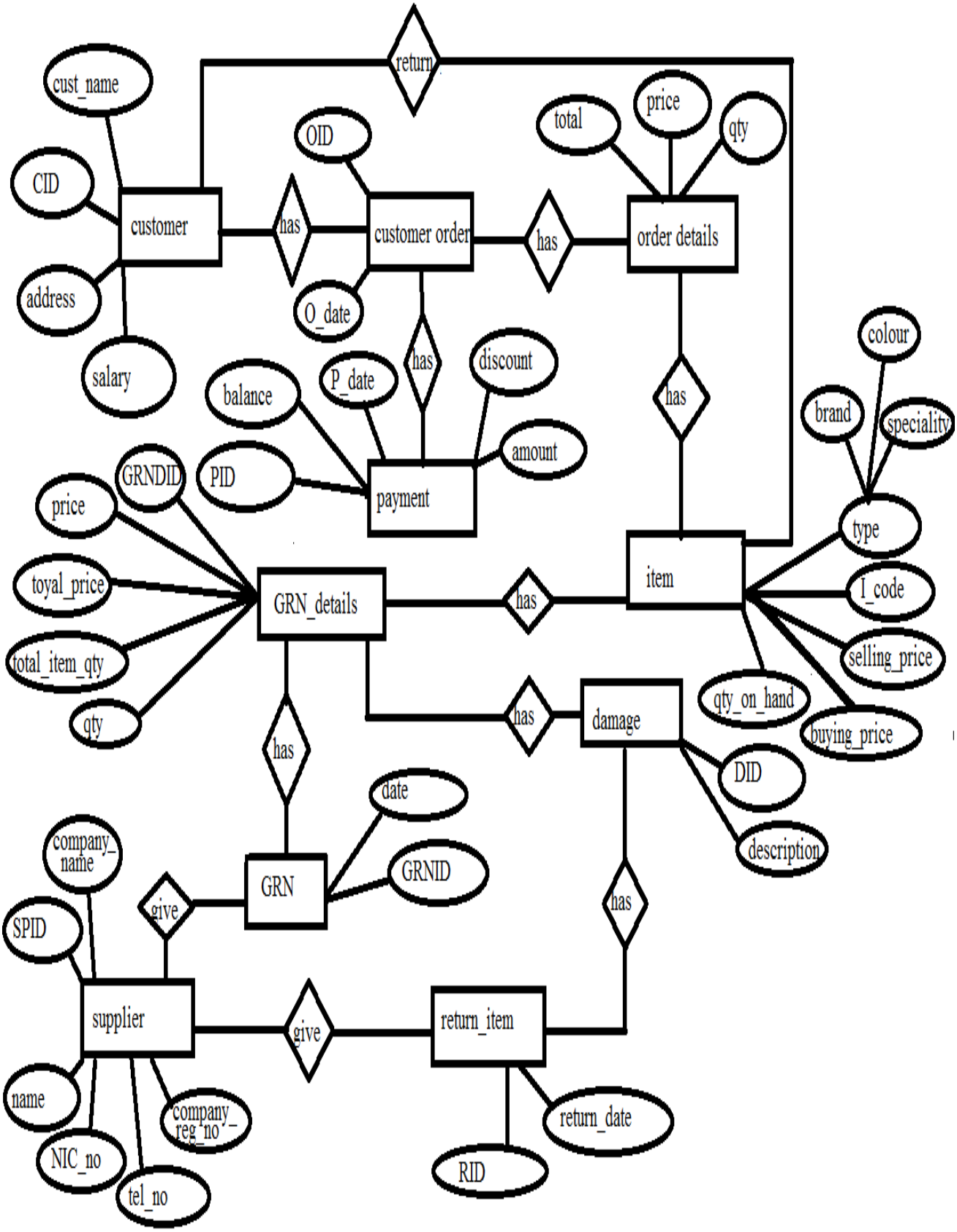
2. Entity Relationship Diagram (ERD)
3. Logical schema of above ERD
4. All user interfaces and explain each interface
5. Security features of the software

1.0 Use Case Diagram



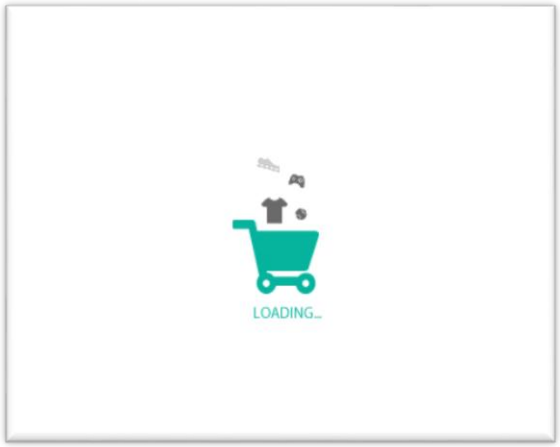
2. Entity Relationship Diagram (ERD)


return
cust_name
CID
address
salary
customer
has
OID
O_date
customer order
has
total
price
qty
order details
has
balance
P_date
has
discount
amount
payment
PID
GRNDID
price
toyal_price
total_item_qty
qty
GRN_details
has
item
has
colour
brand
speciality
type
I_code
selling_price
buying_price
qty_on_hand
has
damage
DID
description
has
date
GRNID
GRN
give
company_ name
SPID
supplier
give
return_item
has
name
NIC_no
tel_no
company_ reg_no
return_date
RID

3. Logical schema of above ERD

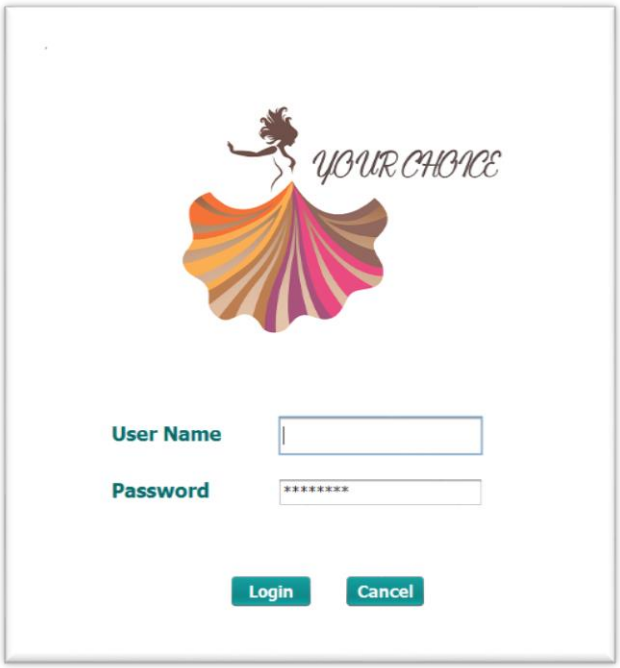
4. INTERFACES

4.1 Splash Screen



This interface is a graphical control element consisting of a window containing a gif. This usually appears when software is launching.

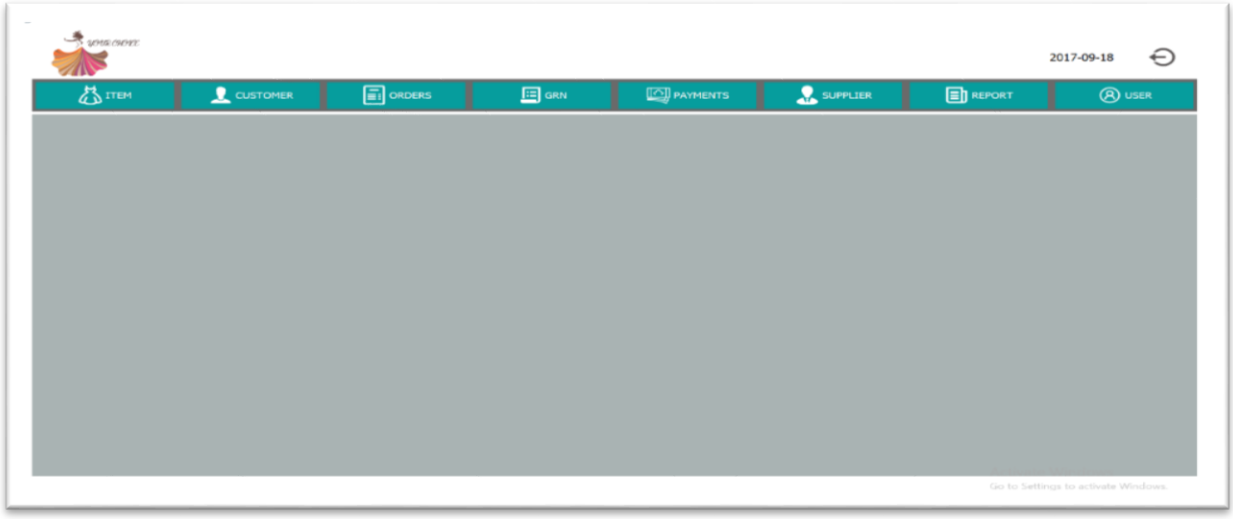
4.2 Login Interface



Login Interface contais the logo of the shop, fields to input username ane password. When u cilck Login button if username and password matches homepage will apper. If needed you can use cancel button. Then all the fields will be cleared.

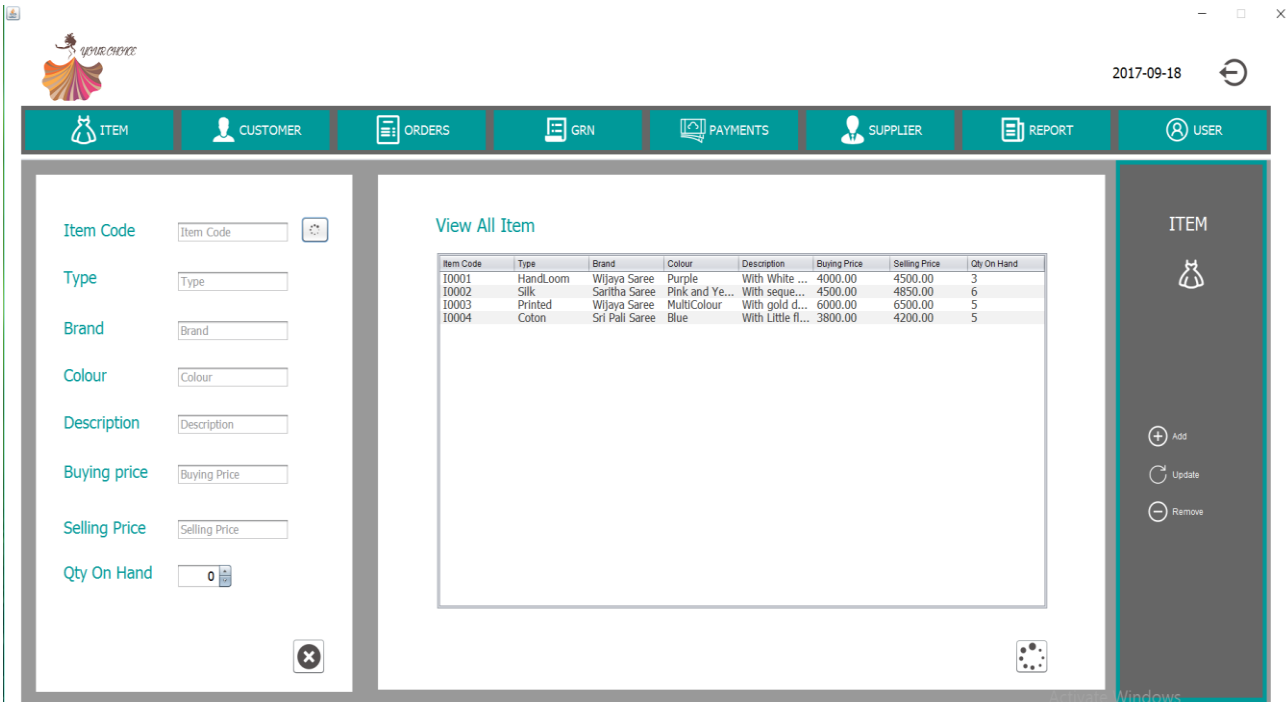
4.2 Home Page

All buttons are displayed to owner. For other users Orders and report buttons only are visible.



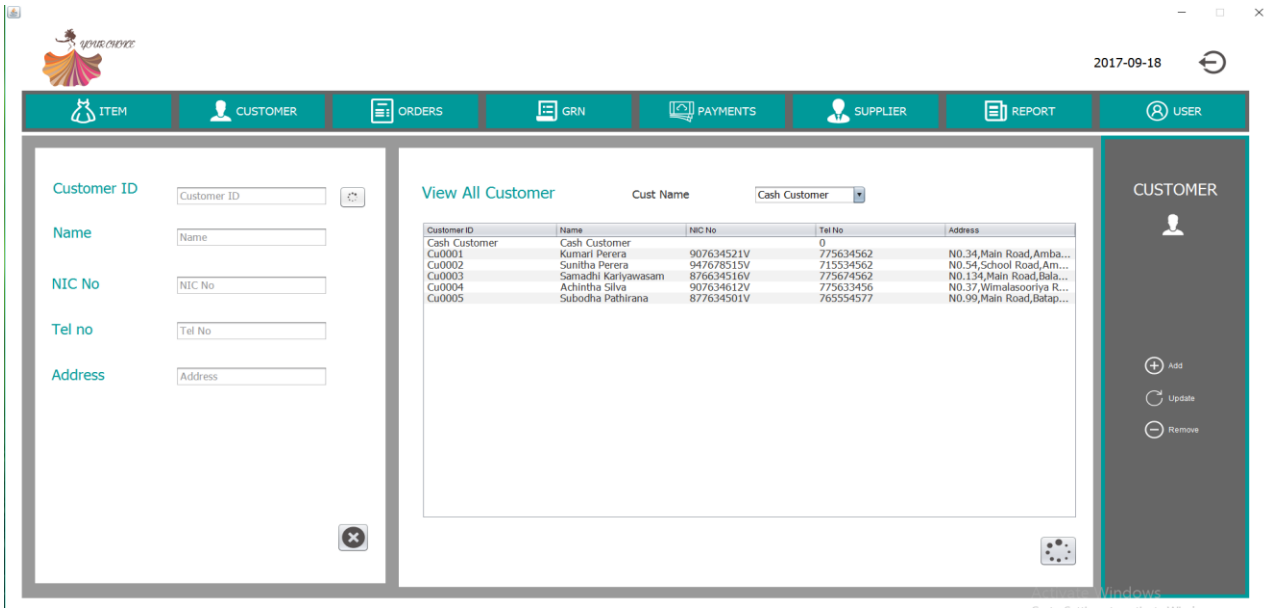
Home page has buttons to link to the forms in the system. They are item, customer, orders, GRN, payments, supplier, reports and user. In the top right corner logout button is located. When it is clicked homepage closed and login form appears. In the home page I put a panel to load other panel forms such as customer form, item form etc.

4.3 Item Interface



All the items are show in the table. When an item is selected all the data is shown in text fields. Then if needed it can be updated or deleted. You can also add Items using this form. Id is auto generated for the item. Small refresh button is used to generate id. Other refresh button is used to load data on the table.

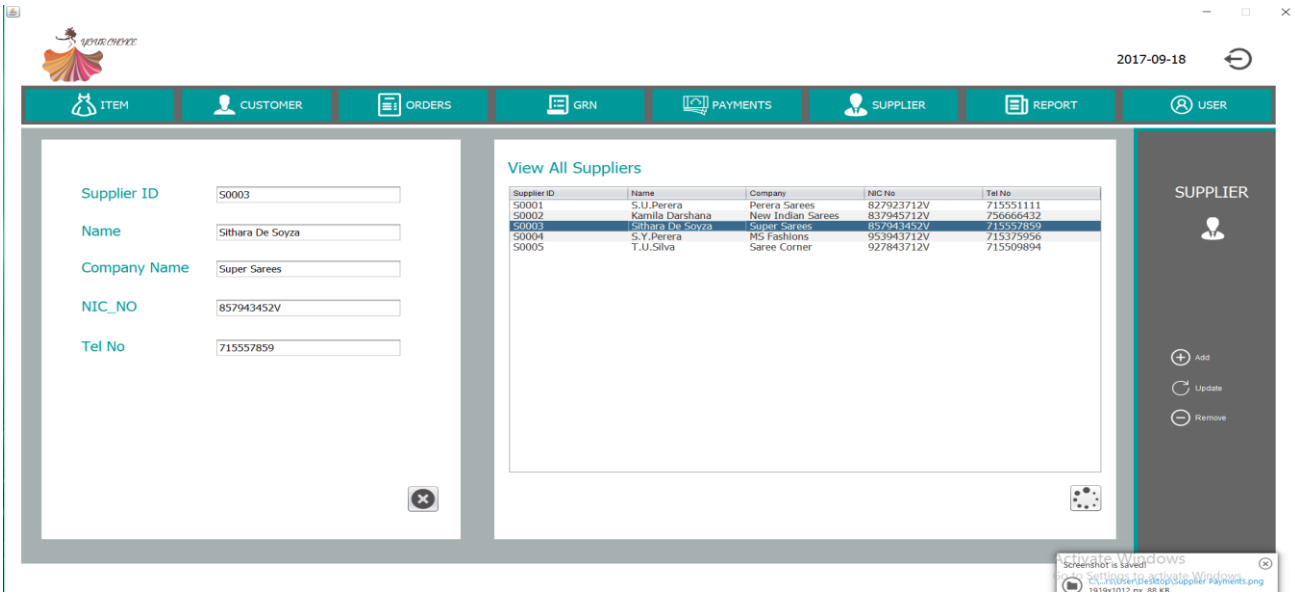
4.4 Customer Interface



It views all customers, can be used to add, update or delete customers.

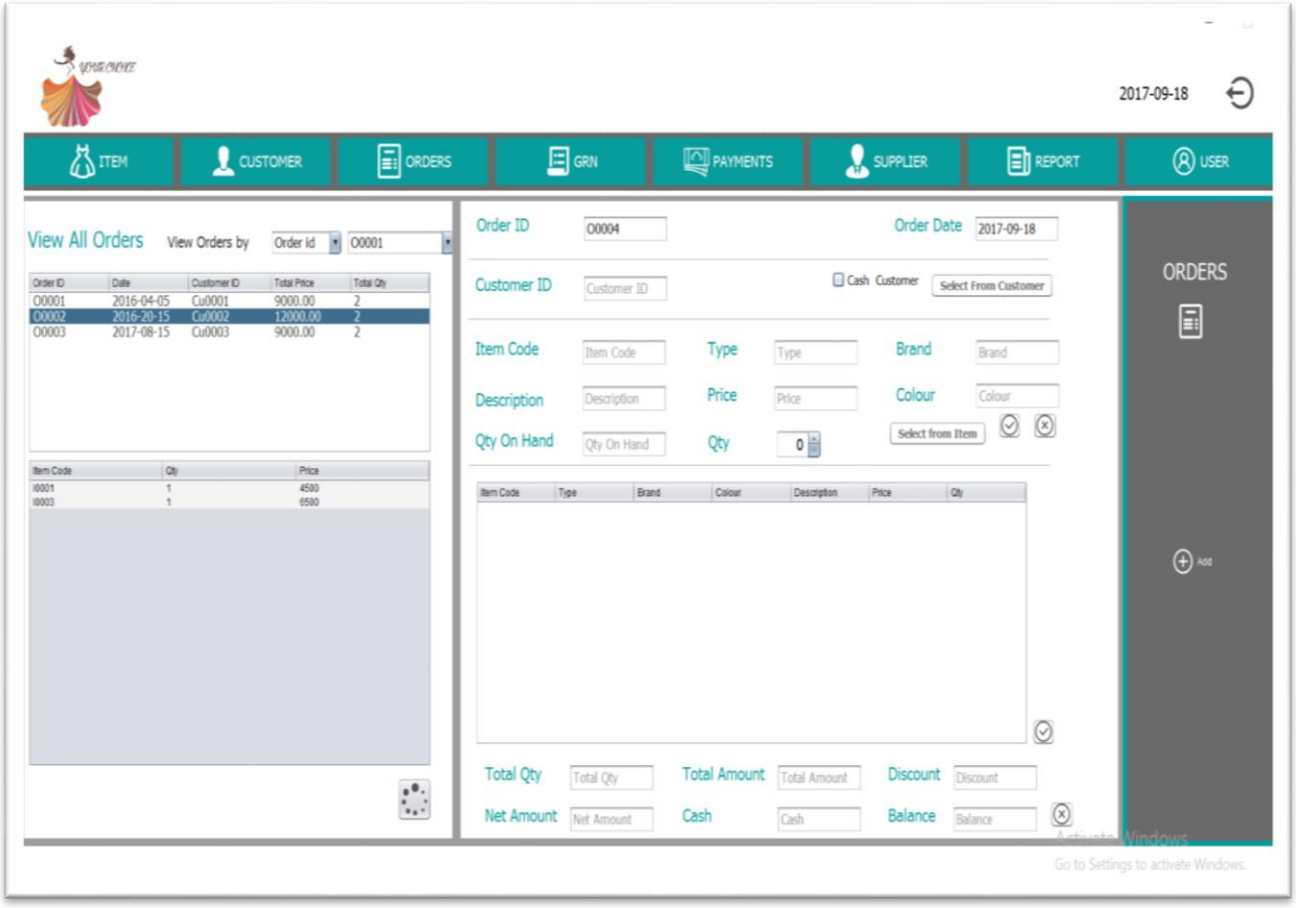
All the customers are viewed in the table. The refresh button under the table refreshes the data on the table. We can search customers using customer name. When one customer is selected the data is shows in the text fields. When the refresh button near those text fields is clicked customer id is auto generated. When that cancel button is clicked all the data on that text fields are erased.

4.4 Supplier Interface



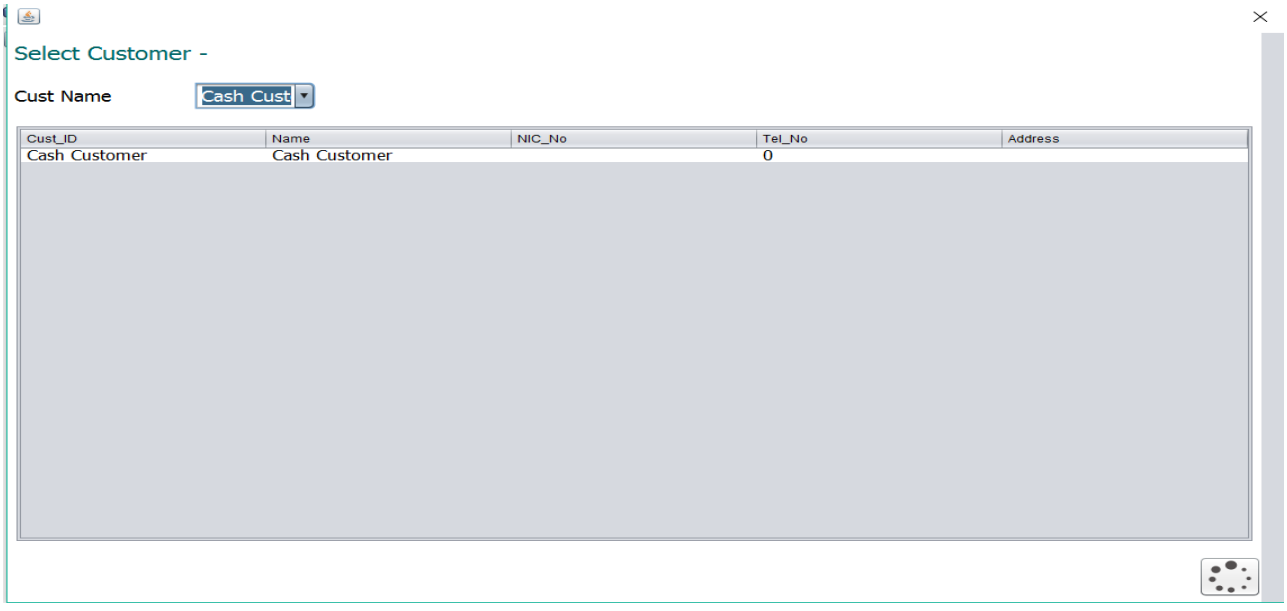
All the Suppliers are shown in the table. When a one is selected all the data is shown in the text fields. Supplier ID is auto generated. This form can also be used to add, update or remove a Supplier.

4.5 Orders Interface



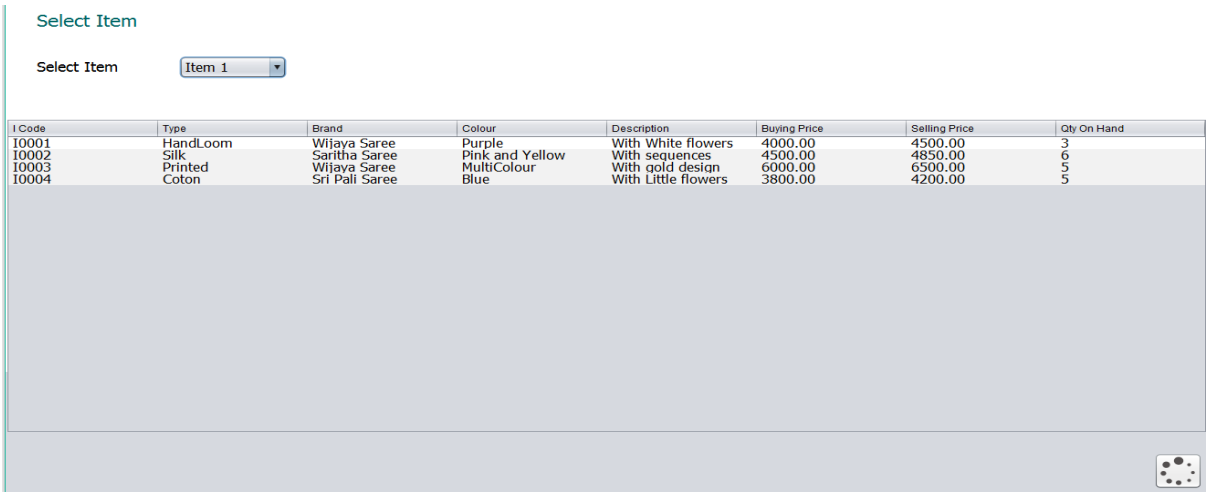
This form is used to view and add orders. All orders are viewed in a table. When a order is clicked its details are shown in the table below. The refresh button refreshes tables.

Order id is auto generated. System date is set as the order date. One can give a customer id if he know it exactly or one can select a customer from “Select from customer” button. The form which appears after clicking that button is given below.



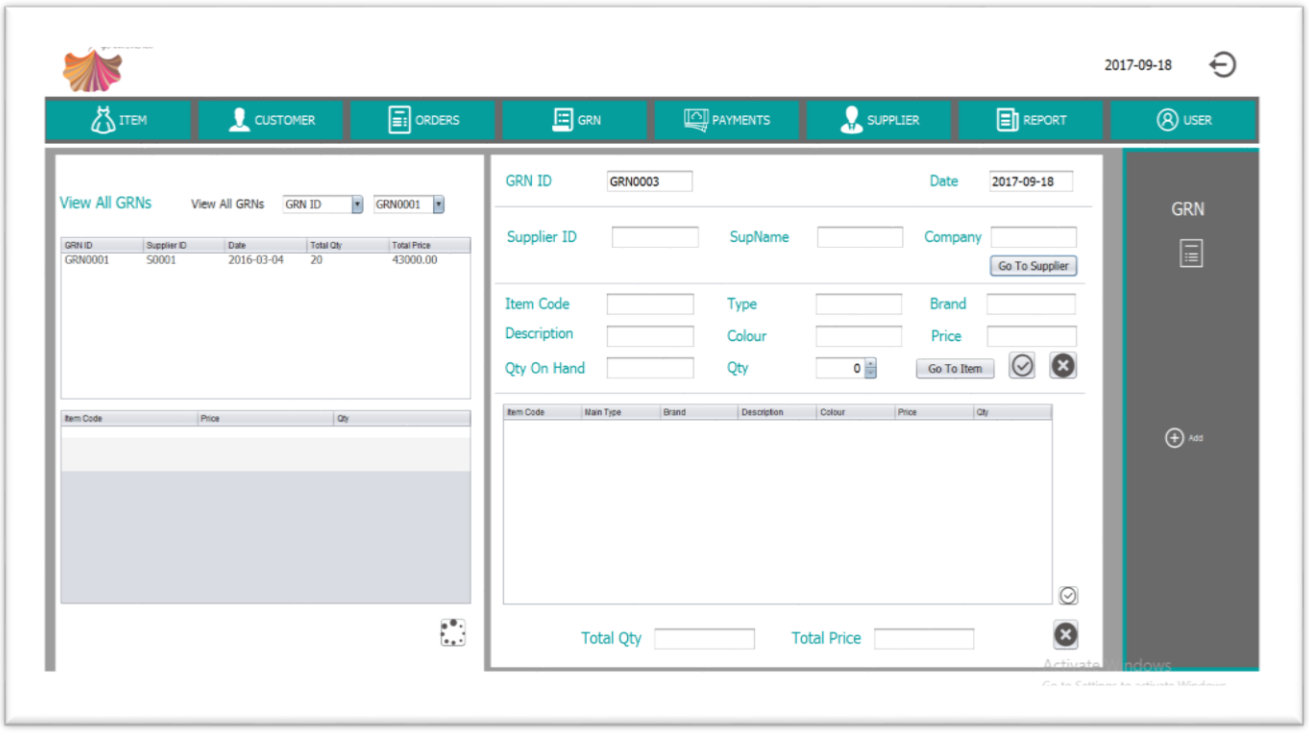
If the customer is not a one which you do not need to keep data stored, you can check cash customer check box.

You can enter an item code if you know exactly. When you enter it all the data is filled regarding that item. Else you can use “Select from item” button to select an item. The form which appears after clicking this is given below.



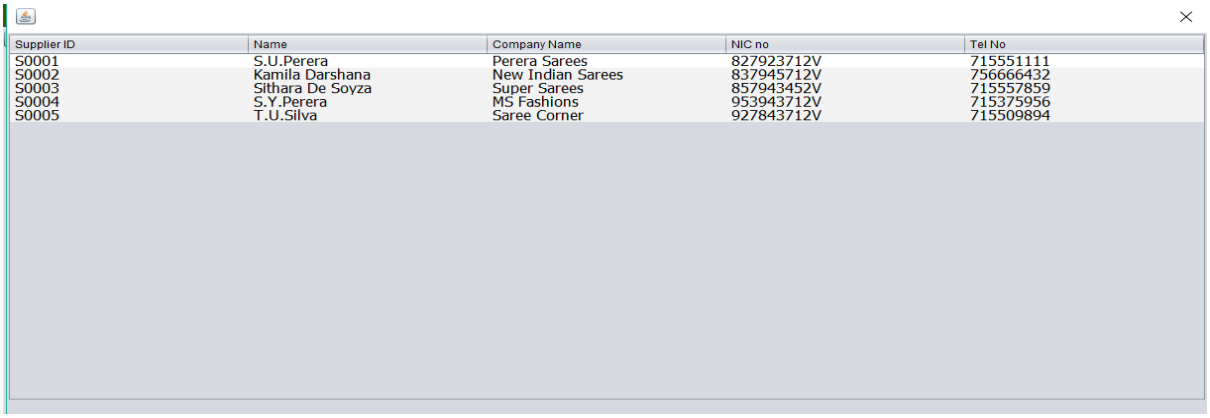
In the “qty on hand” text field current stock quantity is shown. When the order qty of an item is added the qty on hand text field updates automatically. Then right button should be clicked to add that item to the order items table or cross button should be clicked to clear the all the data regarding item text fields. After adding all the items to that table to generate total amount and total qty, the right button near the bottom of the table must be clicked. If needed a discount can be given. After adding discount net amount is created. Then after inputting cash balance is auto created. If you need to cancel the order the cancel button near balance text field must be clicked.

4.6 GRN Interface



This form is used to add and view GRNs. All GRNs are shown in the table and when a GRN is selected the details of that GRN is show in the table below. The refresh button in the bottom is used to refresh tables.

GRN id is auto generated. System date is given as the GRN date. You can search a supplier entering the id of a supplier or you can select a supplier from "Go to supplier" button. Form is given below.



Supplier ID	Name	Company Name	NIC no	Tel No
S0001	S.U.Perera	Perera Sarees	827923712V	715551111
S0002	Kamila Darshana	New Indian Sarees	837945712V	756666432
S0003	Sithara De Soyza	Super Sarees	857943452V	715557859
S0004	S.Y.Perera	MS Fashions	953943712V	715375956
S0005	T.U.Silva	Saree Corner	927843712V	715509894

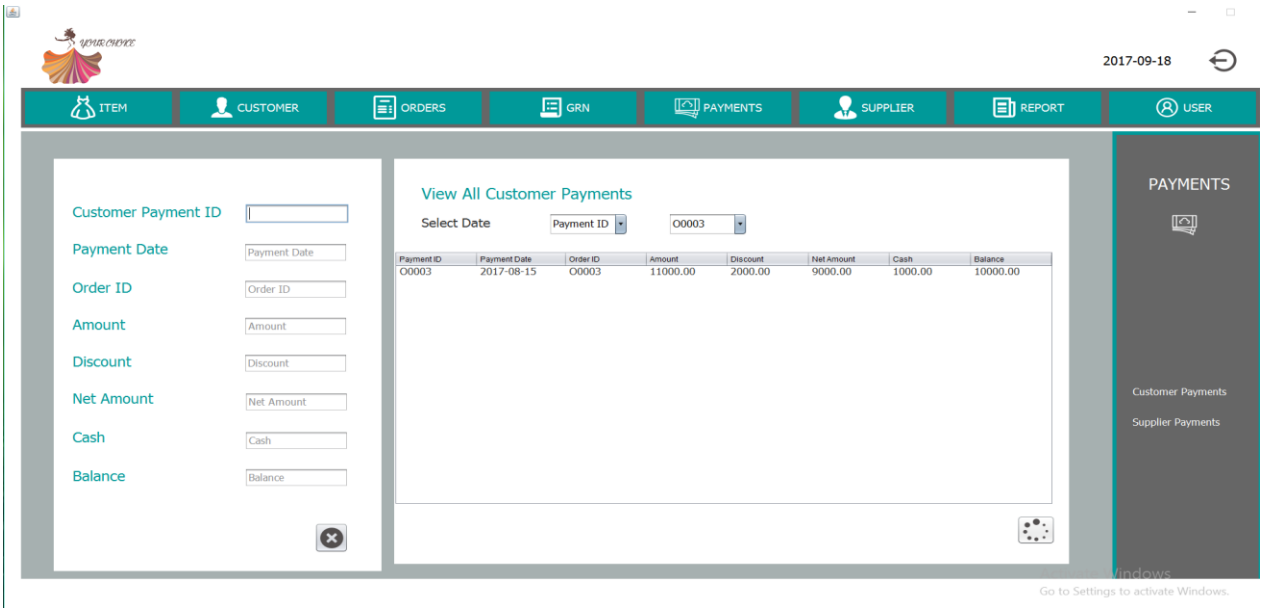
Item can be searched by entering id or you can use the button "Select from Item" to choose item.

Qty on hand is updated with the qty of item in GRN is added. After adding all items total price, qty are auto calculated.

4.7 Payments

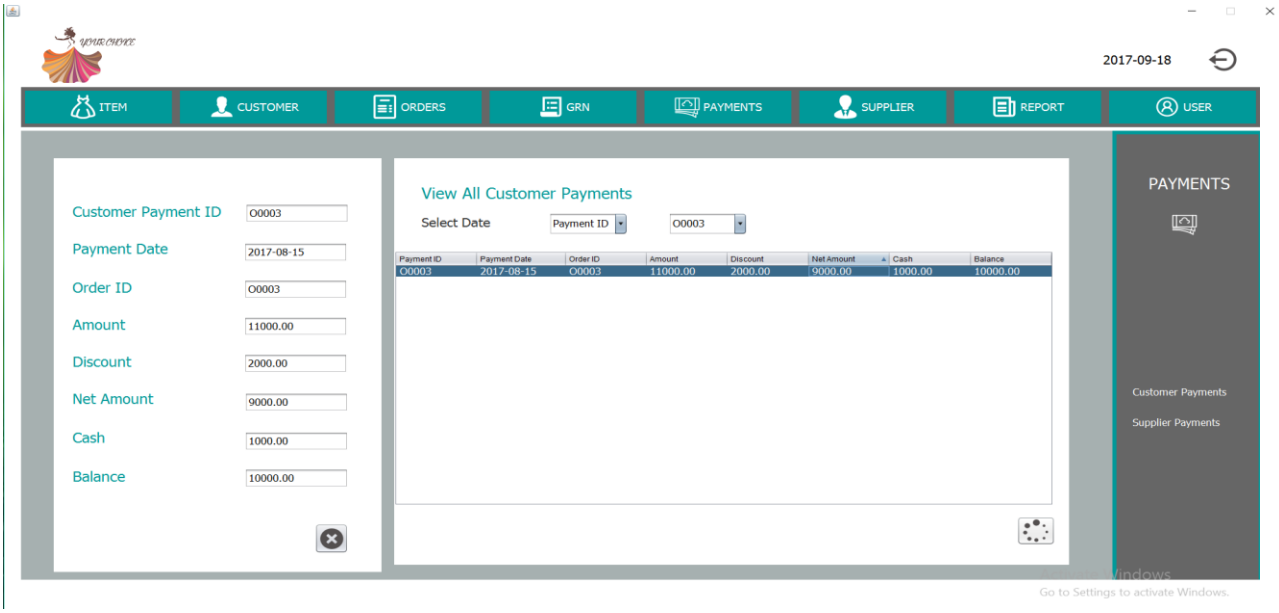
Payments has two main parts. They are customer payments and supplier payments. Each has a form only to view payments. Customer payments show the payments done by customer when placing an order. Supplier order showa all details of payments done to supplier when a GRN is created.

4.7.1.Customer Payments



Customer payments can be searched by customer id, date and order id.

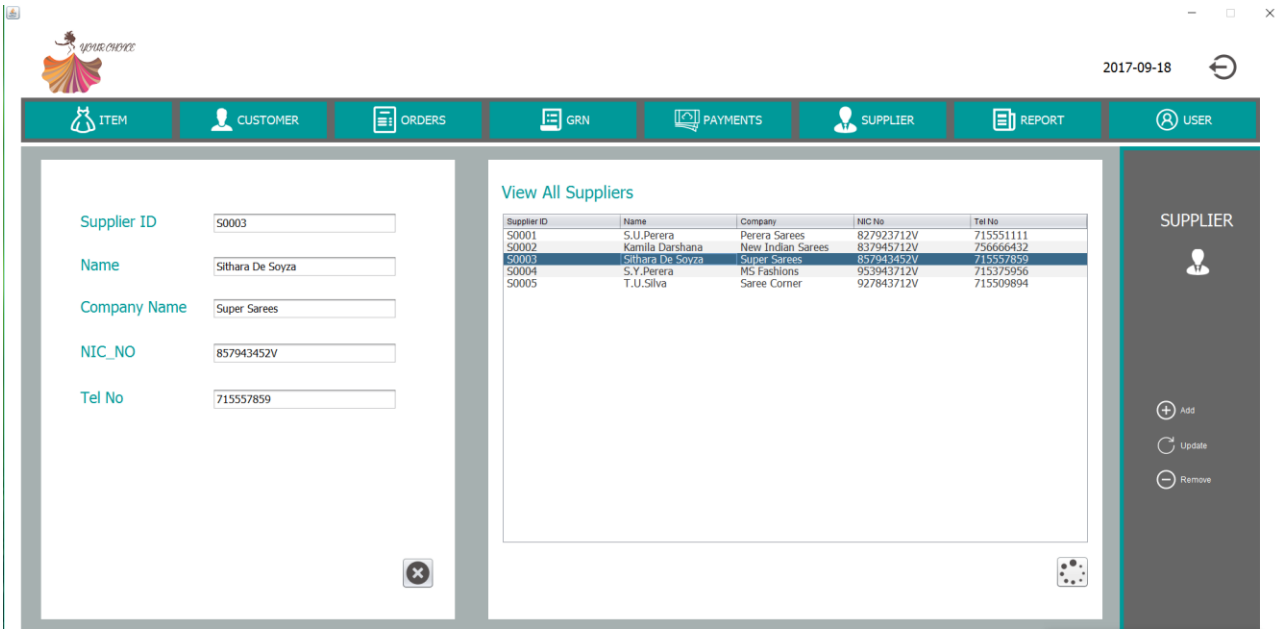
4.7.2 Supplier Payments



Supplier payments can be searched by supplier id, payment id and payment date.

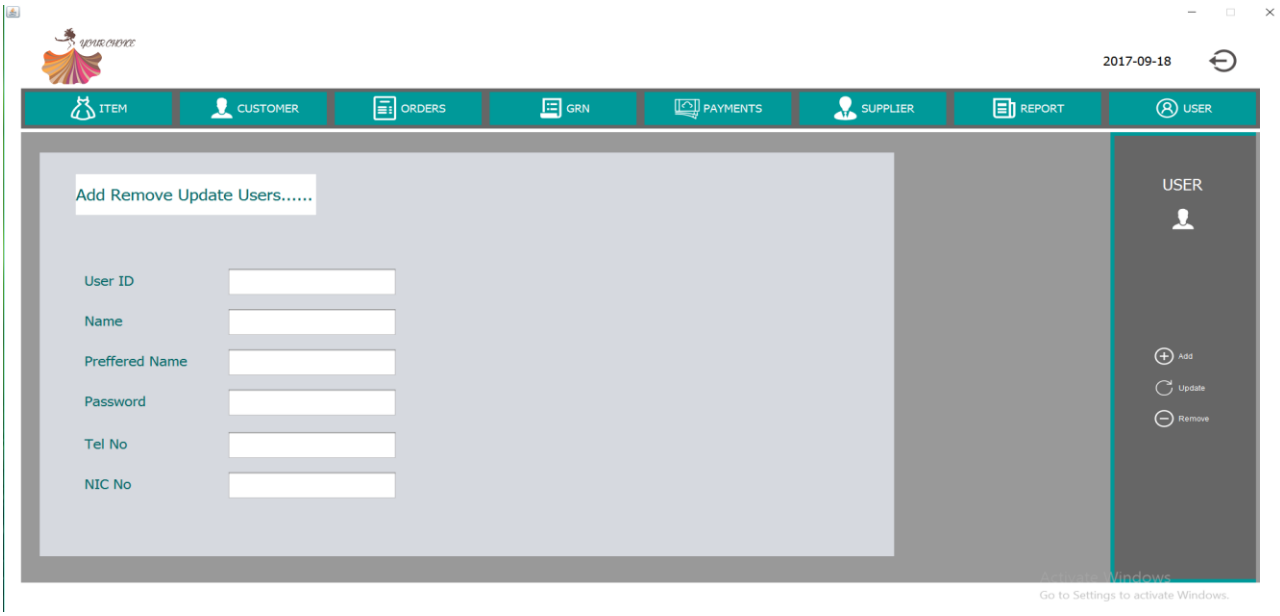
In both forms when a row in the table is clicked the data is shown in the text fields.

4.8 Supplier Interface



This interface is used to add, remove, view and update suppliers. All suppliers are listed in the table with details. When a supplier data on the table is clicked those details are shown in text fields. Supplier id is auto generated. Refresh button and cancel buttons work same as in the customer form item form etc.

4.9 Users Interface



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Users interface is used by the owner to add, remove or update users and user details of this system.

5. Security Features of the software.

In the logging page username and password is checked. Only the owner can access all the forms in the homepage. When cashier or other user is logged in they only can access Orders form. So other users only can add orders. They can't change any other data or manage users.