

# **INVENTORY MANAGEMENT SYSTEM**

**Group No: 17**

<b>Roll No</b>	<b>Name</b>
31	Kashyap Ashara
35	Kishan Kewalramani
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# Scope And Definition

## Scope:-

- To computerize the inventory management system including the details of sales, purchase , products , customers and suppliers so the relationship between the company with supplier and customer can be maintain properly

# Scope And Definition

## Definition:-

- Inventory Management System plays a critical role for any manufacturing Company or Firm. The system mainly focuses on management of Inventory of Meet Garments also it includes a better way to manage inventory transactions in order to facilitate good relationship between customer and supplier.

# System Requirement

## • **Hardware Requirements**

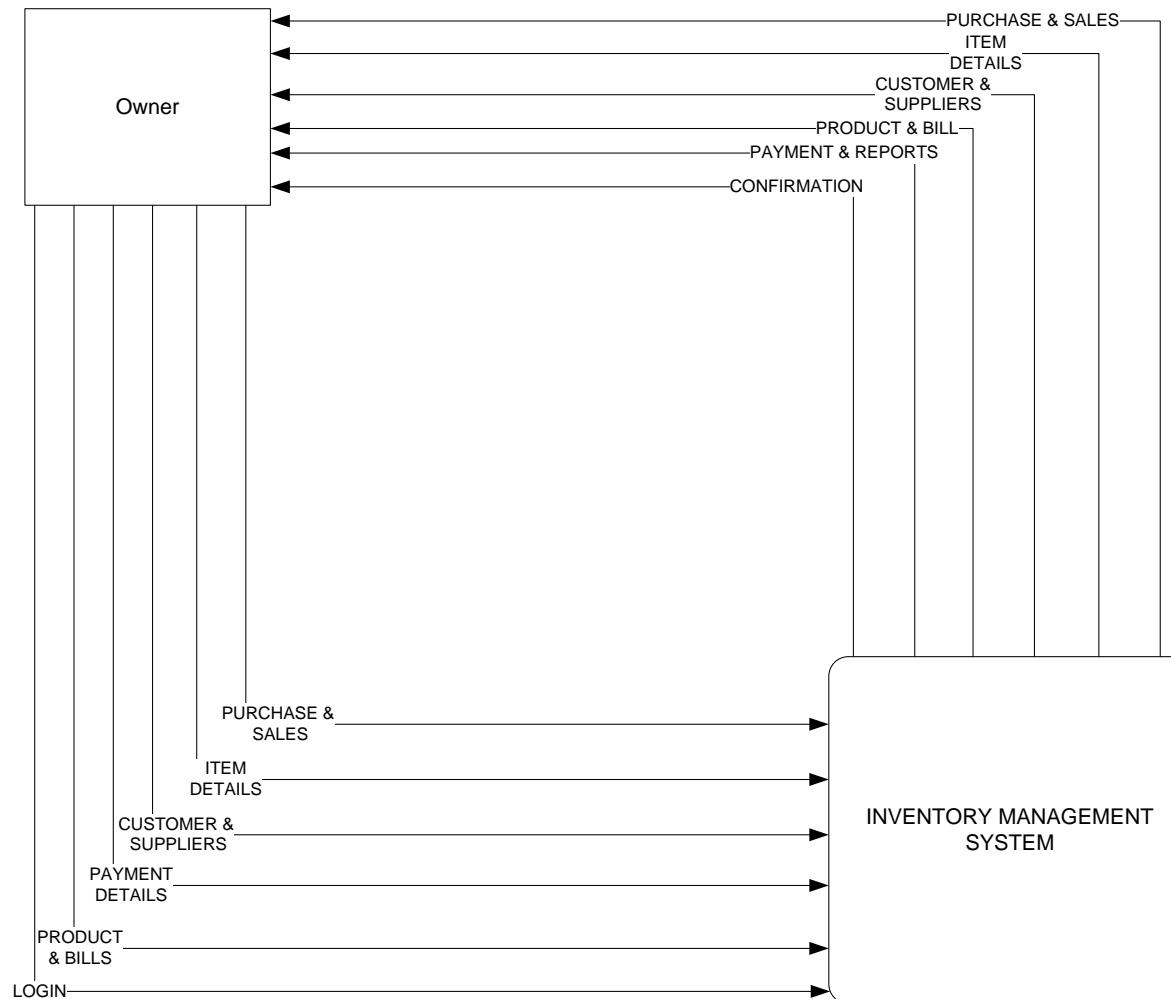
- Processor : Pentium IV 2GHz and Above
- RAM : 128Mb RAM
- Monitor : Color Monitor
- Keyboard
- Mouse

# System Requirement

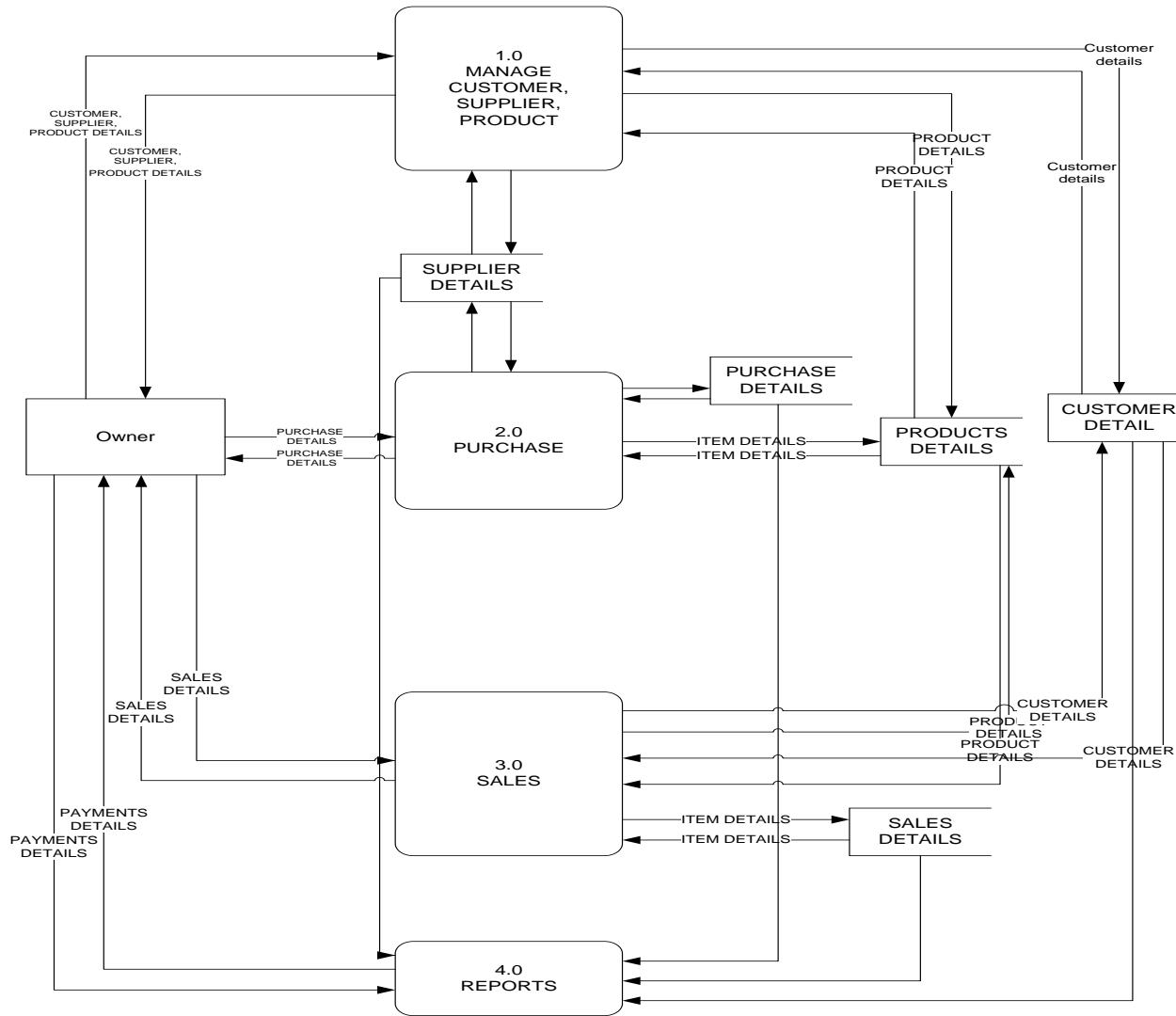
- **Software Requirements**
- Operating System : Windows XP,7,8
- Developing Tool : Visual Basic 8.0
- Database : MS Access 2007-13
- .NET Framework 3.5 or above
- Access Database Engine( 32 bit-64 bit)

# Data Flow Diagram

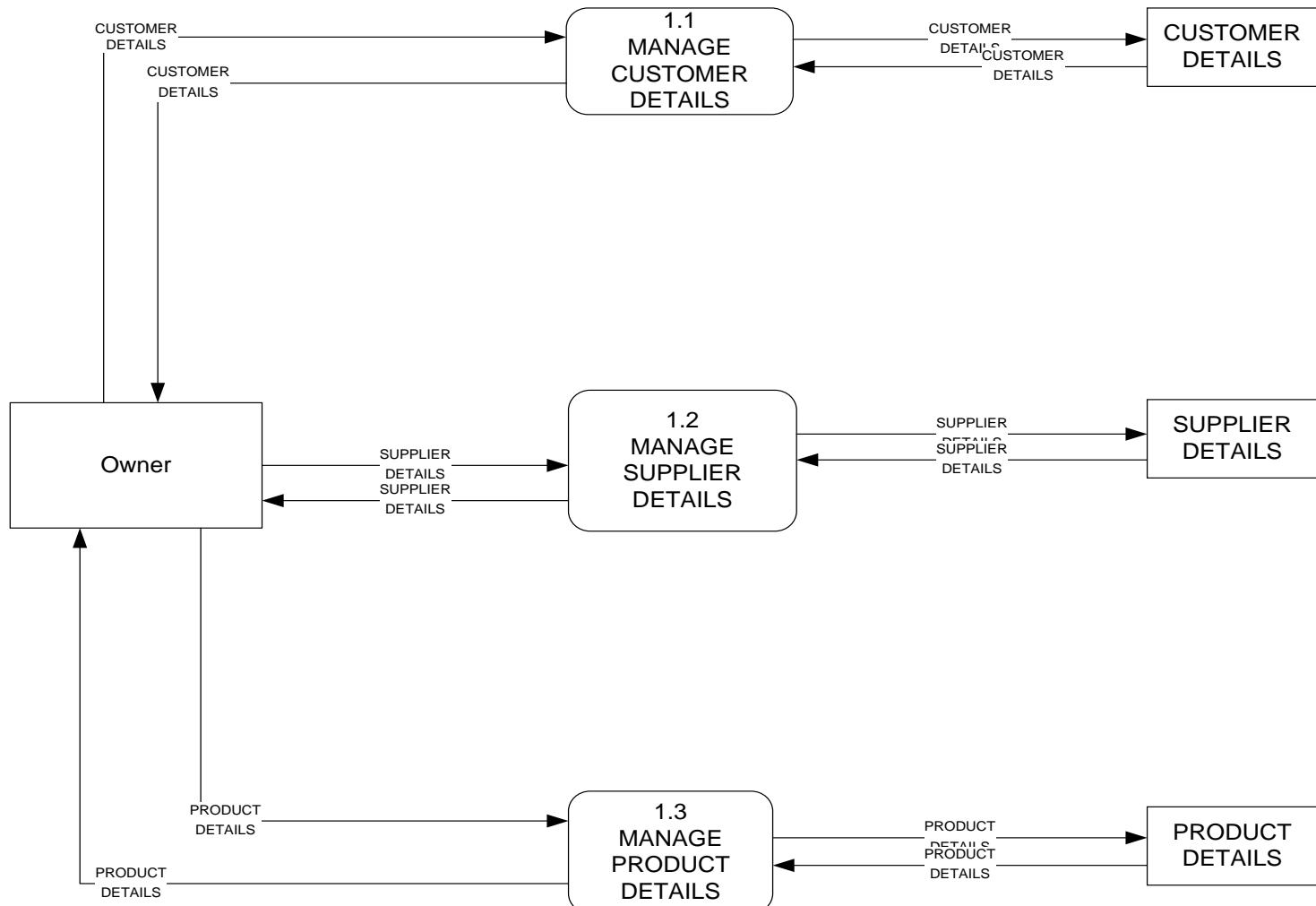
# Context Level



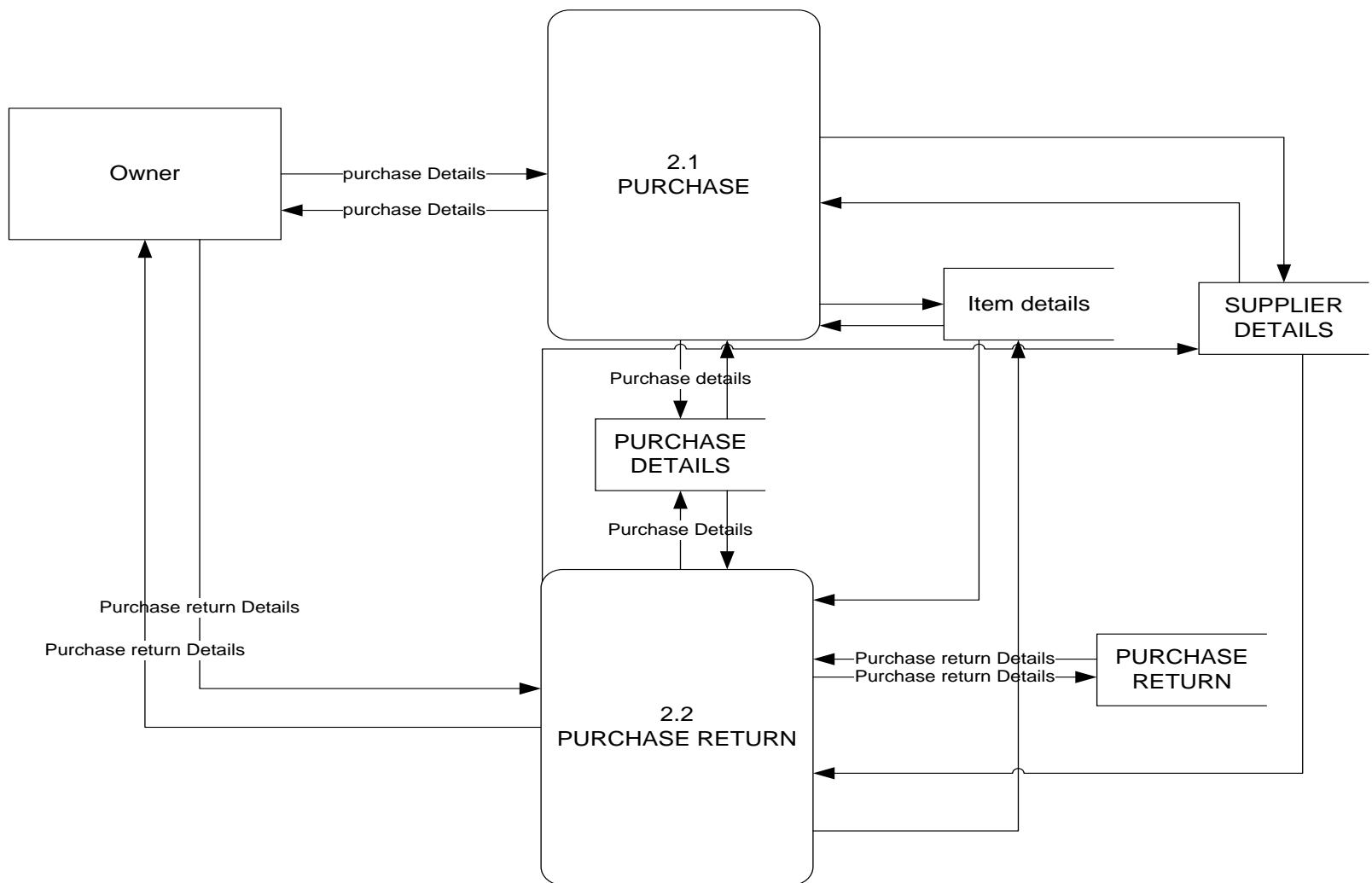
# Zero Level



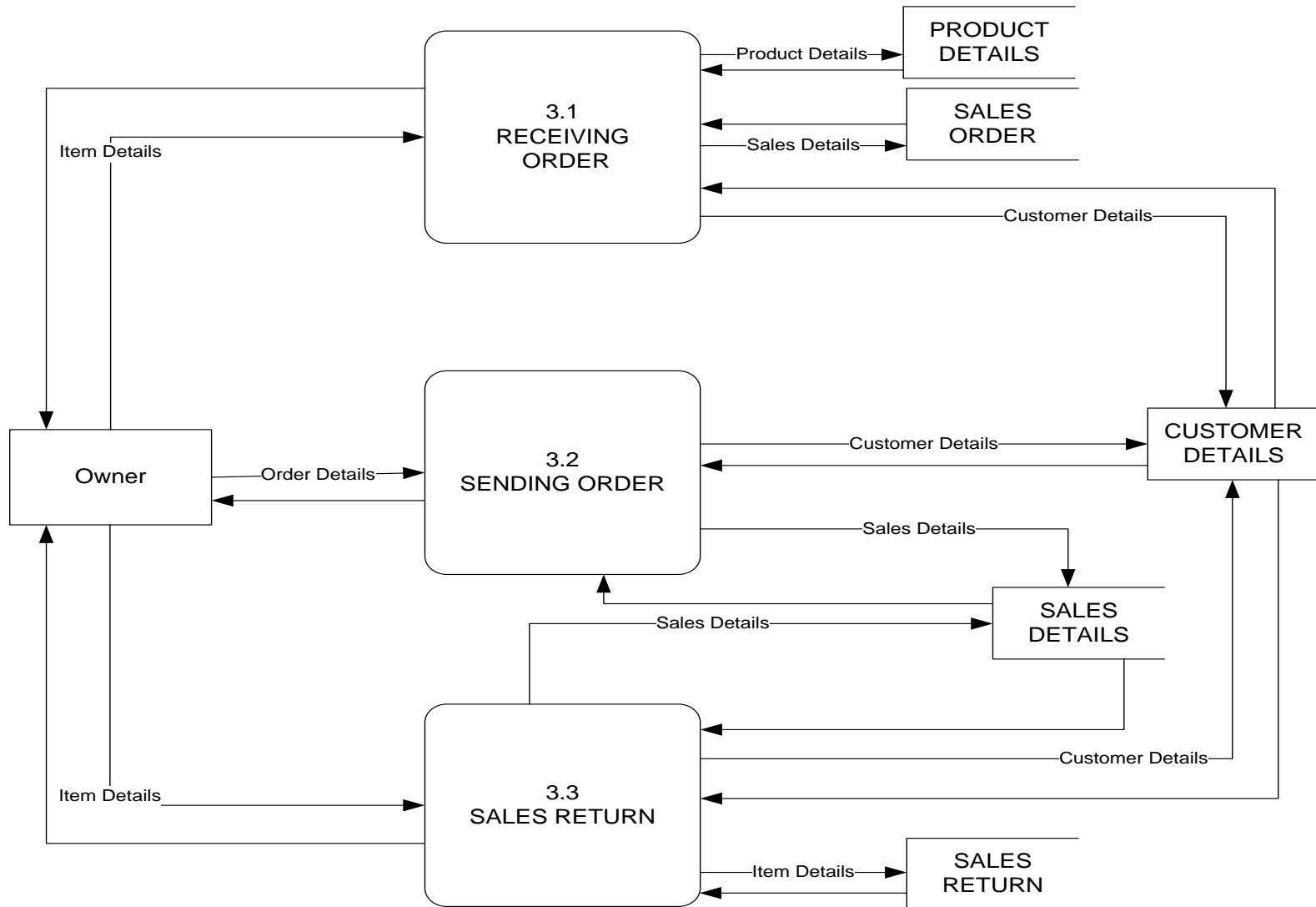
# First Level I.0



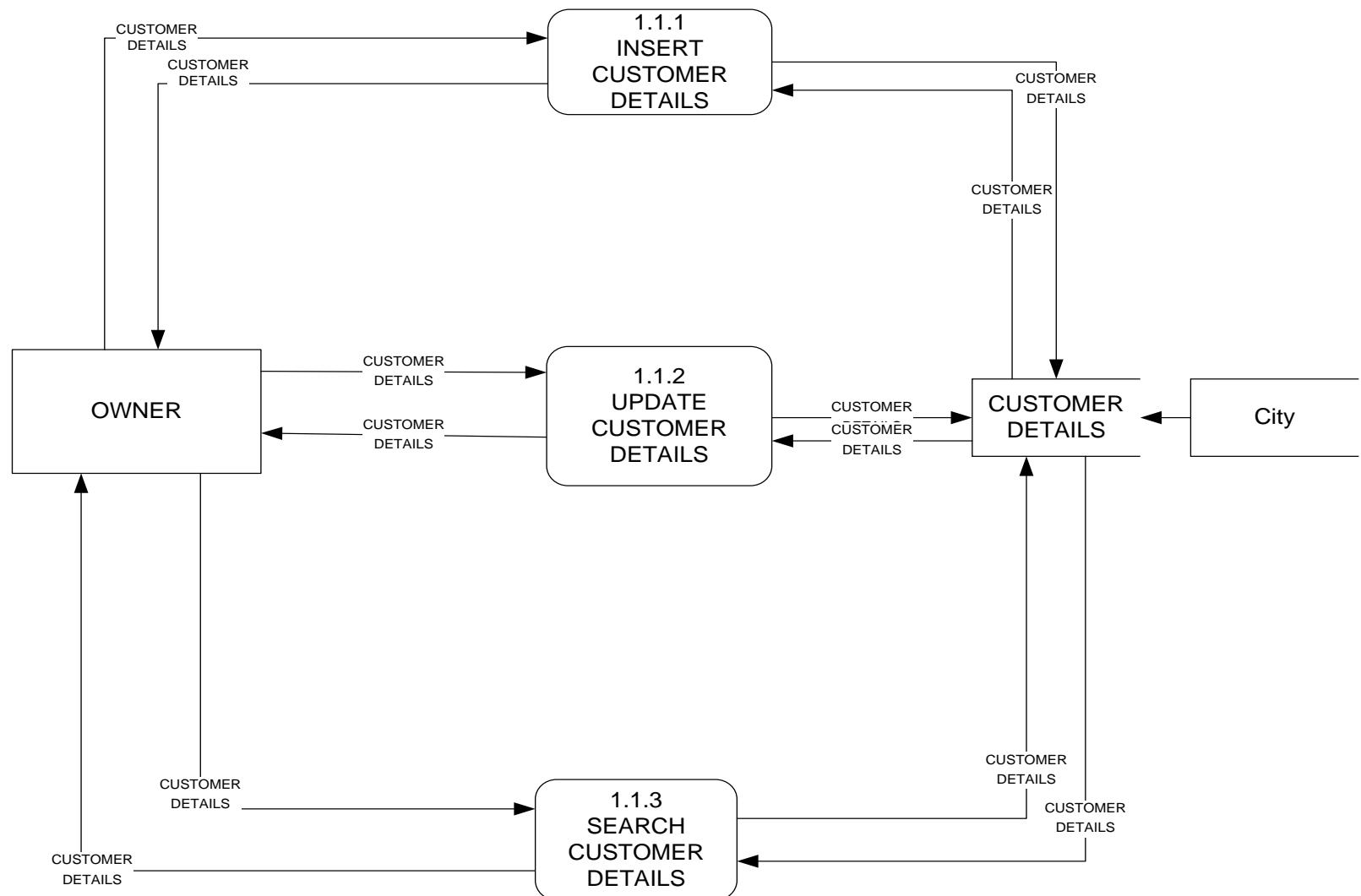
# First Level 2.0



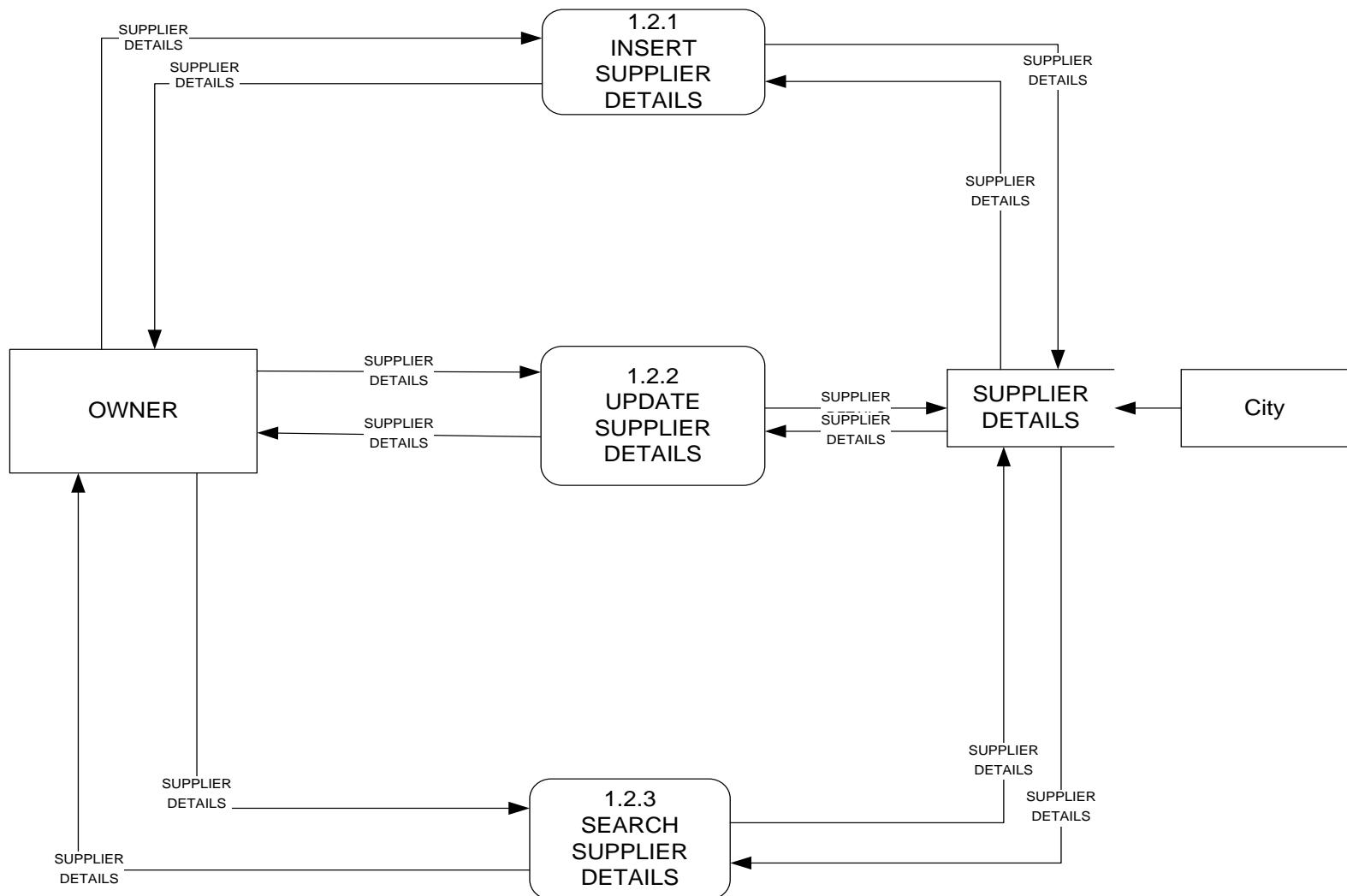
# First Level 3.0



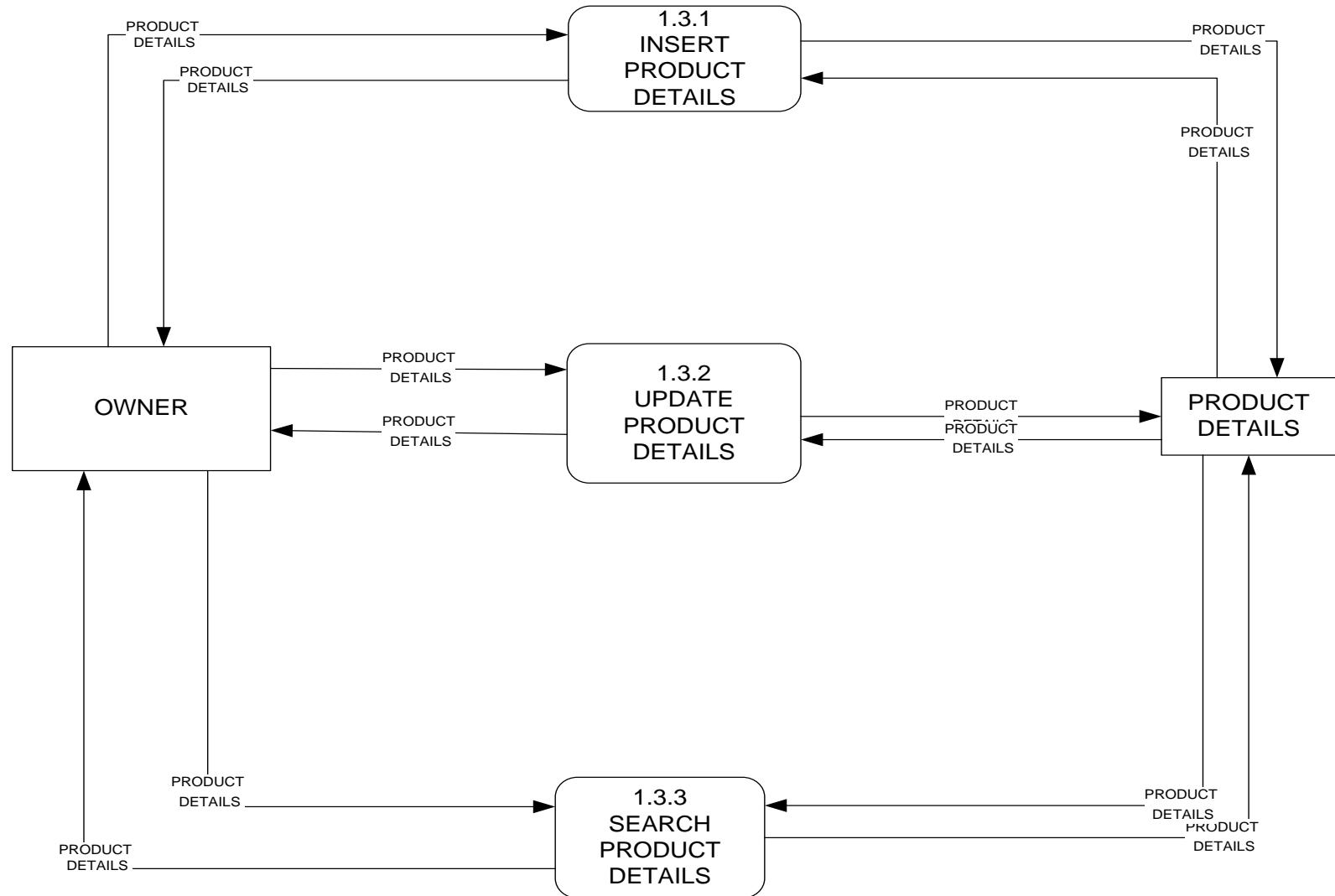
# Second Level I.0



# Second Level 2.0

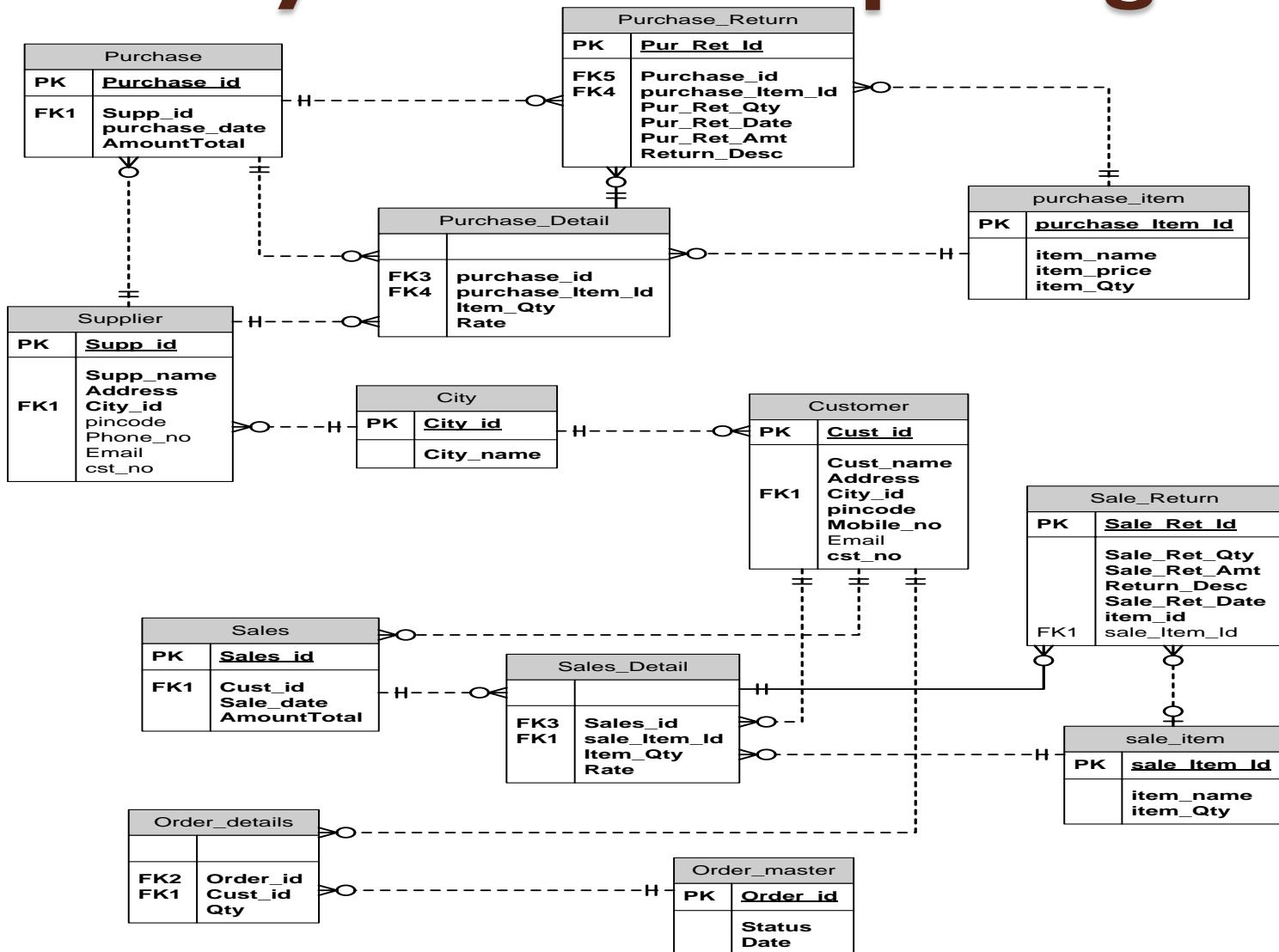


# Second Level 3.0



# Entity Relationship Diagram

# Entity Relationship Diagram



# Data Dictionary

# Data Dictionary

- Tables Name : Login
- Table Description : Contain Information of login details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Username	Varchar(30)	Primary key		Login username
Password	Varchar(15)	Not null		Login password

# Data Dictionary

- Table name: Customer\_details
- Table Description: Contain Information of customer details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Customer_id	Varchar(5)	Primary key		Customer id
Customer_name	Varchar(30)	Not null		Customer name
Address	Varchar(200)	Not null		Customer address
City_id	Varchar(5)	Foreign key	City	City_id
Pincode	Numeric(10,0)	Not null		Customer city pincode
Contact	Numeric(15,0)	Not null		Customer number
Email	Varchar(50)			Customer email id
CST	Numeric			common sales tax no

# Data Dictionary

- Table name: **Supplier\_details**
- Table Description: Contain Information of supplier details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Supplier_id	Varchar(5)	Primary key		Supplier id
Supplier_name	Varchar(30)	Not null		Supplier name
Address	Varchar(200)	Not null		Supplier address
City_id	Varchar(5)	Not null	Foreign key	City_id
Pincode	Numeric(10,0)	Not null		Supplier city pincode
Contact	Numeric(15,0)	Not null		Supplier number
Email	Varchar(50)			Supplier email id
Cst	Numeric			common sales tax no

# Data Dictionary

- Table name: Sales\_item\_details
- Table Description: Contain Information of sales item details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Sales_Item_id	Varchar(5)	Foreign key	Item_details	sales item id
Item_name	Varchar(20)	Not null		item name
Item_price	Numeric(10,2)	Not null		item price
Item_remain_qty	Numeric(10,0)	Not null		item remaing qty

# Data Dictionary

- Table name: Purchase\_item\_details
- Table Description: Contain Information of purchase item details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
item_id	Varchar(5)	Primary key		Item id
Item_name	Varhcar(20)	Not null		Item name
Item_price	Varchar(10,2)	Not null		item price
Item_qty	Numeric(10,0)	Not null		Item quantity

# Data Dictionary

- Table name: Purchase
- Table Description: Contain Information of purchase details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Purchase_id	Varchar(5)	Primary key		Purchase id
Supplier_id	Varhcar(5)	Foreign key	Supplier table	Supplier if from supplier table
Pur_date	Datetime	Not null		Date of purchase
Amount	Numeric(10,2)	Not null		Amount of purchase

# Data Dictionary

- Table name: Purchase\_details
- Table Description: Contain Information of purchase details details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
purchase_id	Varchar(5)	Primary key		purchase id
Item_id	Varhcar(5)	Foreign key	item table	item id
Qty	Datetime	Not null		quantity
Rate	Numeric(10,2)	Not null		price
Amount	Numeric(10,2)	Not null		amount

# Data Dictionary

- Table name: Purchase\_return
- Table Description: Contain Information of purchase return details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Purc_ret_id	Varchar(5)	Not null		Id of purchase returns
Purchase_id	Varchar(5)	Foreign key	Purchase table	Id of purchase from purchase table
Pur_return_date	Datetime	Not null		Purchase returns date
Total	Numeric(10,2)	Not null		total amt
Return_descr	Varchar(200)	Not null		Purchase return description

# Data Dictionary

- Table name: Purchase\_return\_details
- Table Description: Contain Information of purchase return details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Return_id	Varchar(5)	Primary key		Id of purchase returns
Item_id	Varhcar(5)	Foreign key	item table	item id
Qty	Numeric(10,0)	Not null		quantity
Rate	Numeric(10,2)	Not null		rate
Amount	Numeric(10,2)	Not null		amount

# Data Dictionary

- Table name: Sales
- Table Description: Contain Information of sales details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Sales_id	Varchar(5)	Primary key		sales id
Customer_id	Varhcar(5)	Foreign key	Customer table	Customer id from customer table
Sales_date	Datetime	Not null		Date of sales
Amount	Numeric(10,2)	Not null		Amount of sales

# Data Dictionary

- Table name: **Sales\_details**
- Table Description: Contain Information of sales details details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Sales_id	Varchar(5)	Primary key		sales id
Item_id	Varhcar(5)	Foreign key	item table	item id
Qty	Numeric(10,0)	Not null		quantity
Rate	Numeric(10,2)	Not null		rate
Amount	Numeric(10,2)	Not null		amount

# Data Dictionary

- Table name: **Sales\_return**
- Table Description: **Contain Information of sales return details**

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Sales_ret_id	Varchar(5)	Not null		Id of sales returns
Sales_id	Varchar(5)	Foreign key	Sales table	Id of sales from sales table
sale_return_date	Datetime	Not null		sales returns date
Total	Numeric(10,2)	Not null		total
Return_descr	Varchar(200)	Not null		sales return description

# Data Dictionary

- Table name: Sales\_return\_details
- Table Description: Contain Information of sales return details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Sales_id	Varchar(5)	Primary key		sales id
Item_id	Varhcar(5)	Foreign key	Customer table	Customer id from customer table
Qty	Numeric(10,0)	Not null		quantity
Rate	Numeric(10,2)	Not null		rate
Amount	Numeric(10,2)			amount

# Data Dictionary

- Table name: City
- Table Description: Contain Information of city details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
City_id	Varchar(5)	Primary key		City id
City_name	Varchar(20)	Not null		City Name

# Data Dictionary

- Table name: Order\_master
- Table Description: Contain Information of order master details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Order_id	Varchar(5)	Primary key		order id
Customer_id	Varchar(5)	Foreing key	customer table	customer id
Status	Varchar(20)	Not null		status
Date	Datetime	Not null		date

# Data Dictionary

- Table name: Order\_details
- Table Description: Contain Information of order details

Field Name	Data Type	Constraints	If Fk, referenced from	Description
Order_id	Varchar(5)	Primary key		order id
Item_id	Varchar(5)	Not null		item id
Qty	Numeric(10)	Not null		quantity

# Validation and Verification Method

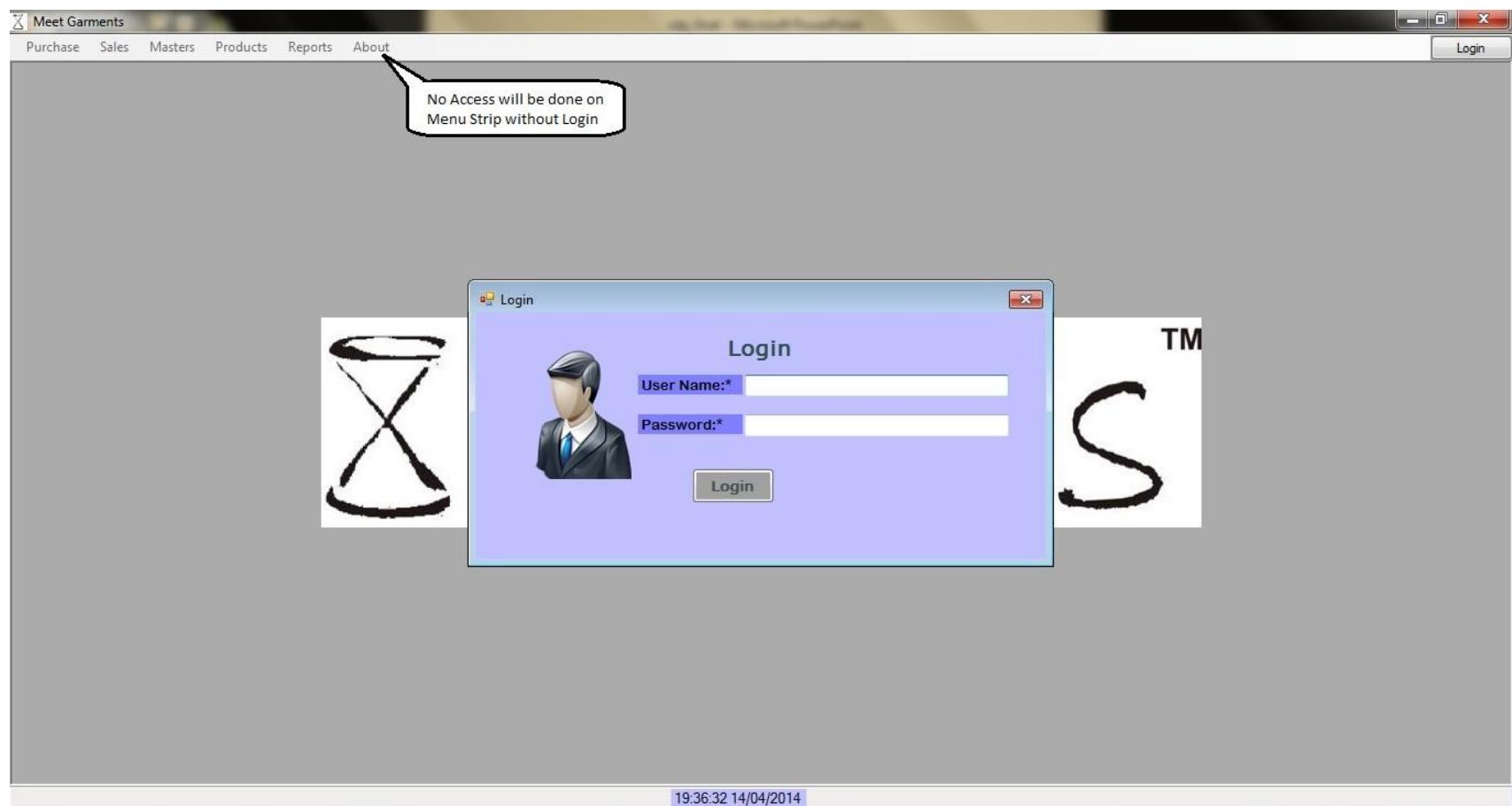
- Customer Details: Id, Name, Address, contact details is required.
- Supplier Details: Id, Name, Address, contact details is required.
- Purchase Details: Id, Supplier details, date of order, product name, is required.
- Sales Details: Id, Customer details, date of order, product name, is required.

# Validation and Verification Method

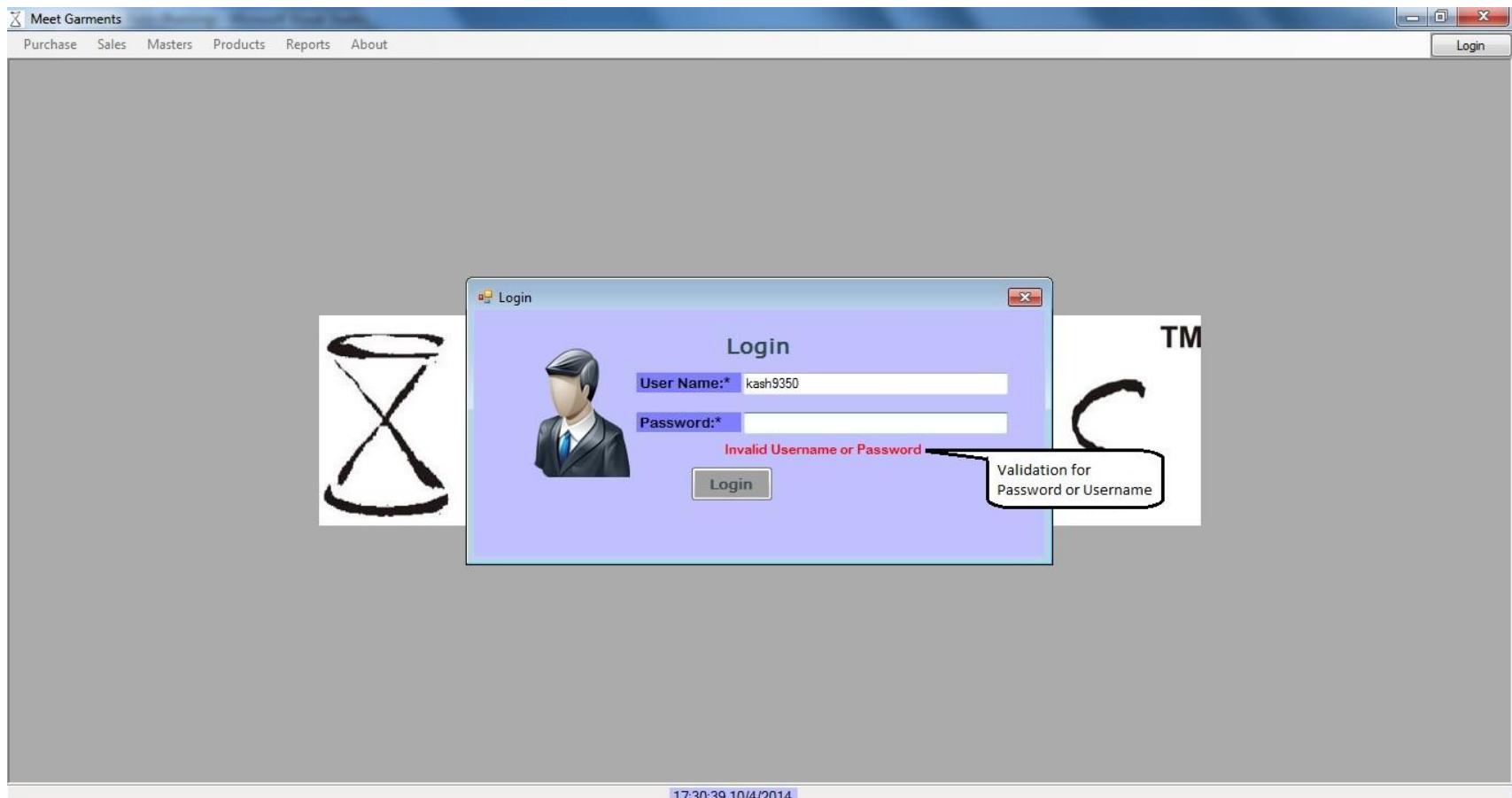
- Contact Details: Characters cannot be added in contact related fields. Mobile phone numbers cannot exceed 10 digits.
- All the details coming from the parent tables cannot be edited.
- Only owner can login into the system.  
(Change password is allowed)
- Stock: Validation for the stock available is kept. If the stock is not available then proper messages is given.

# **Transaction Data Entry Screen**

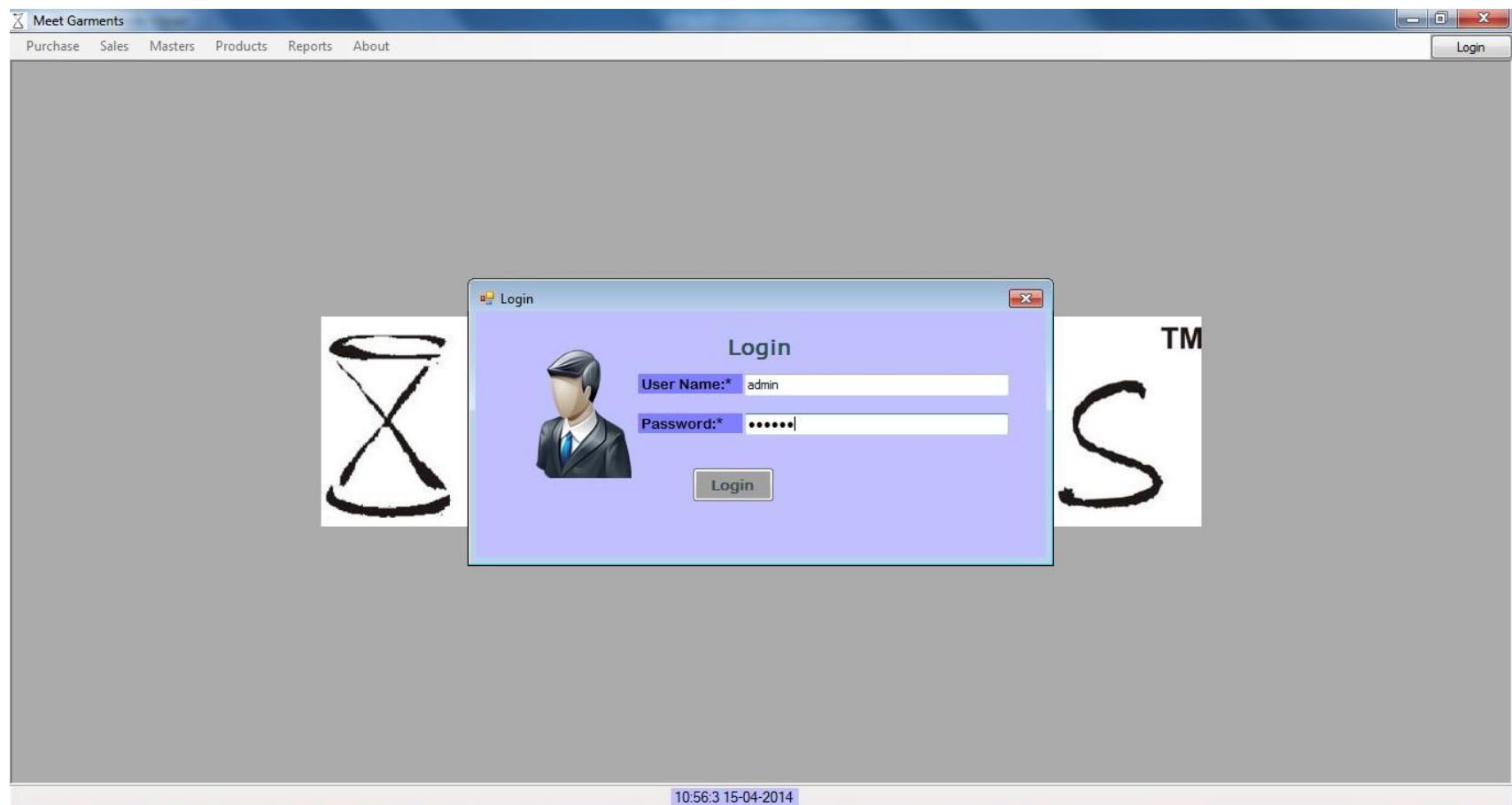
# Login



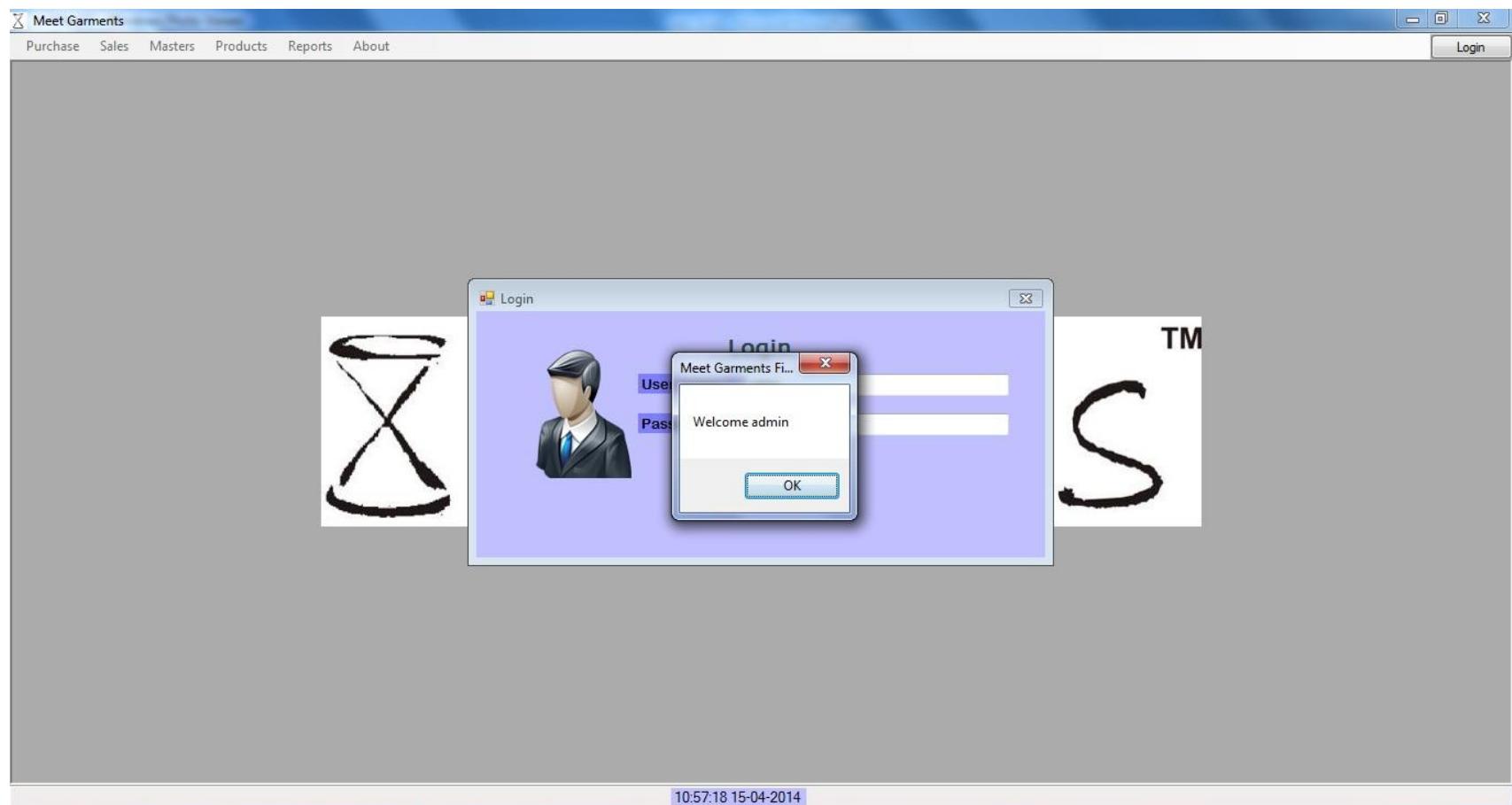
# Login



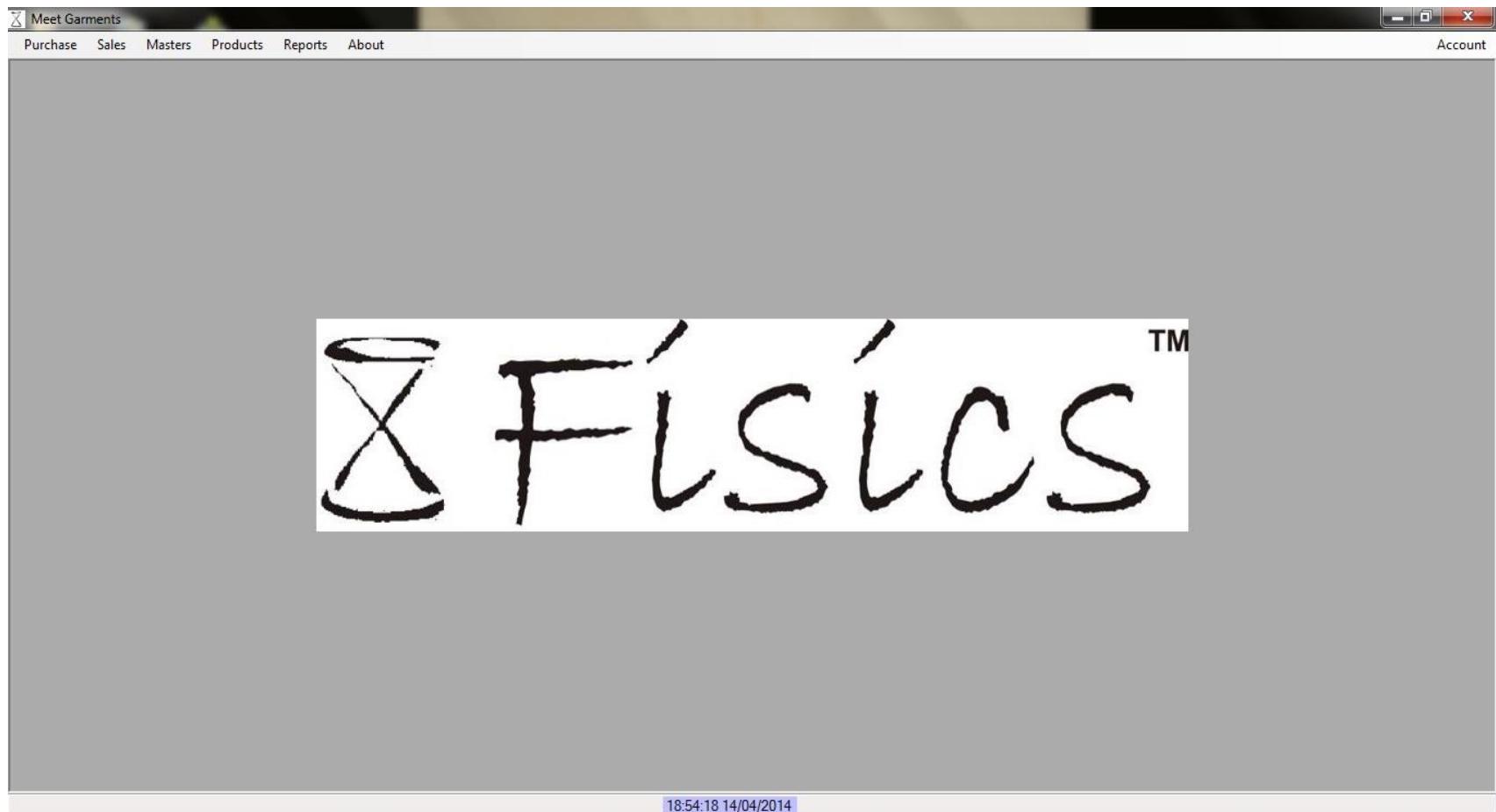
# Login



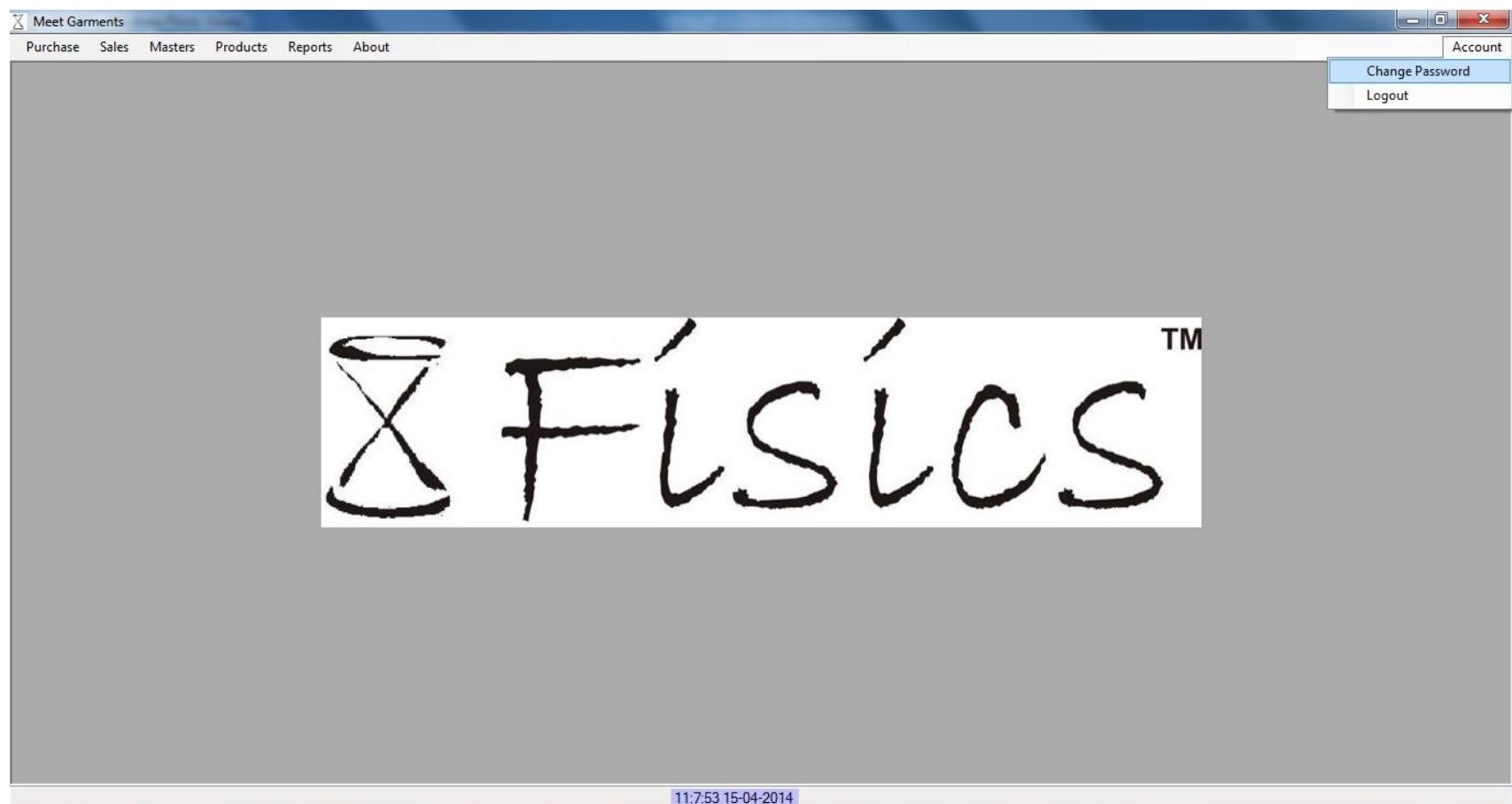
# Login



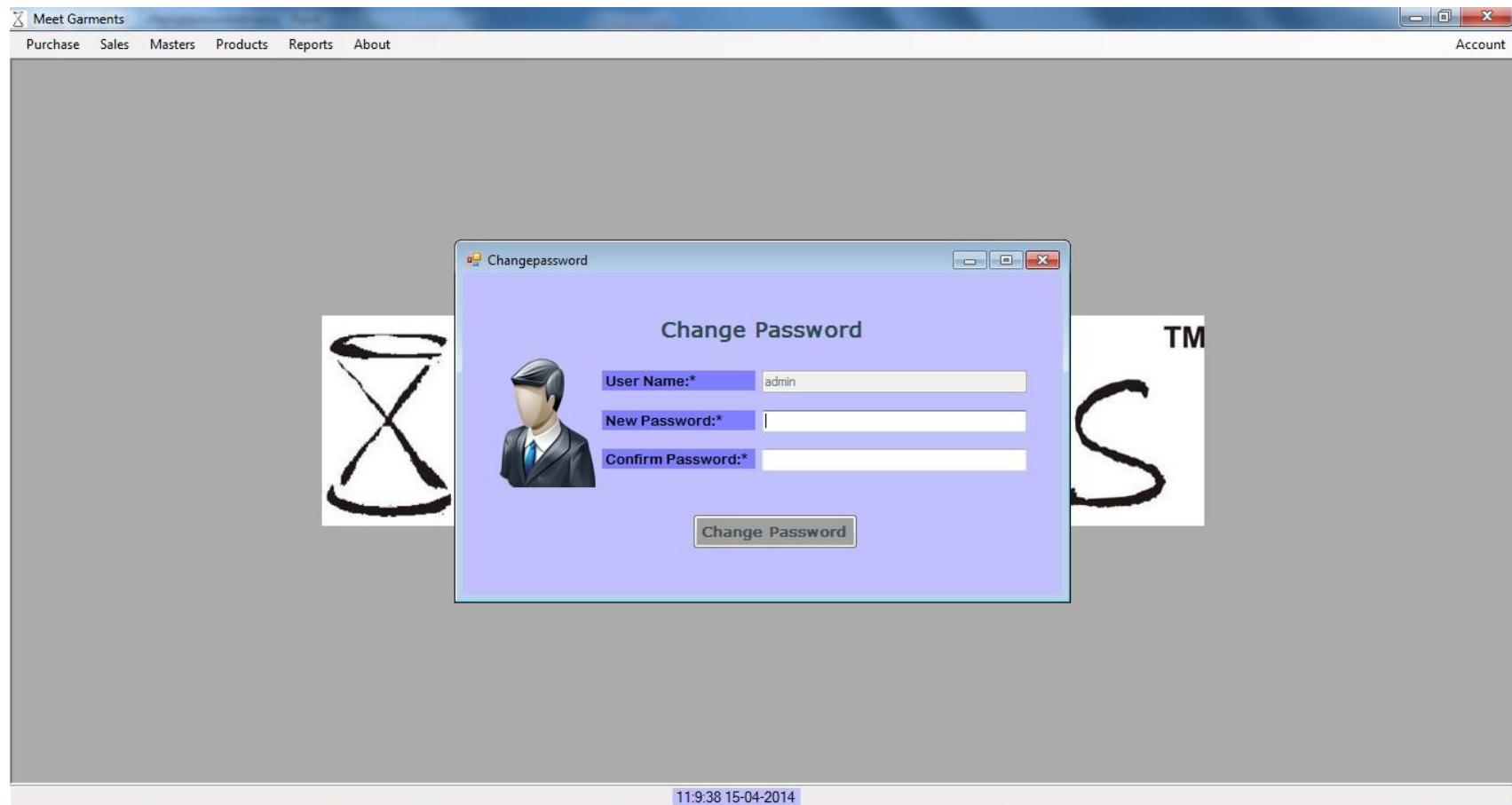
# Login



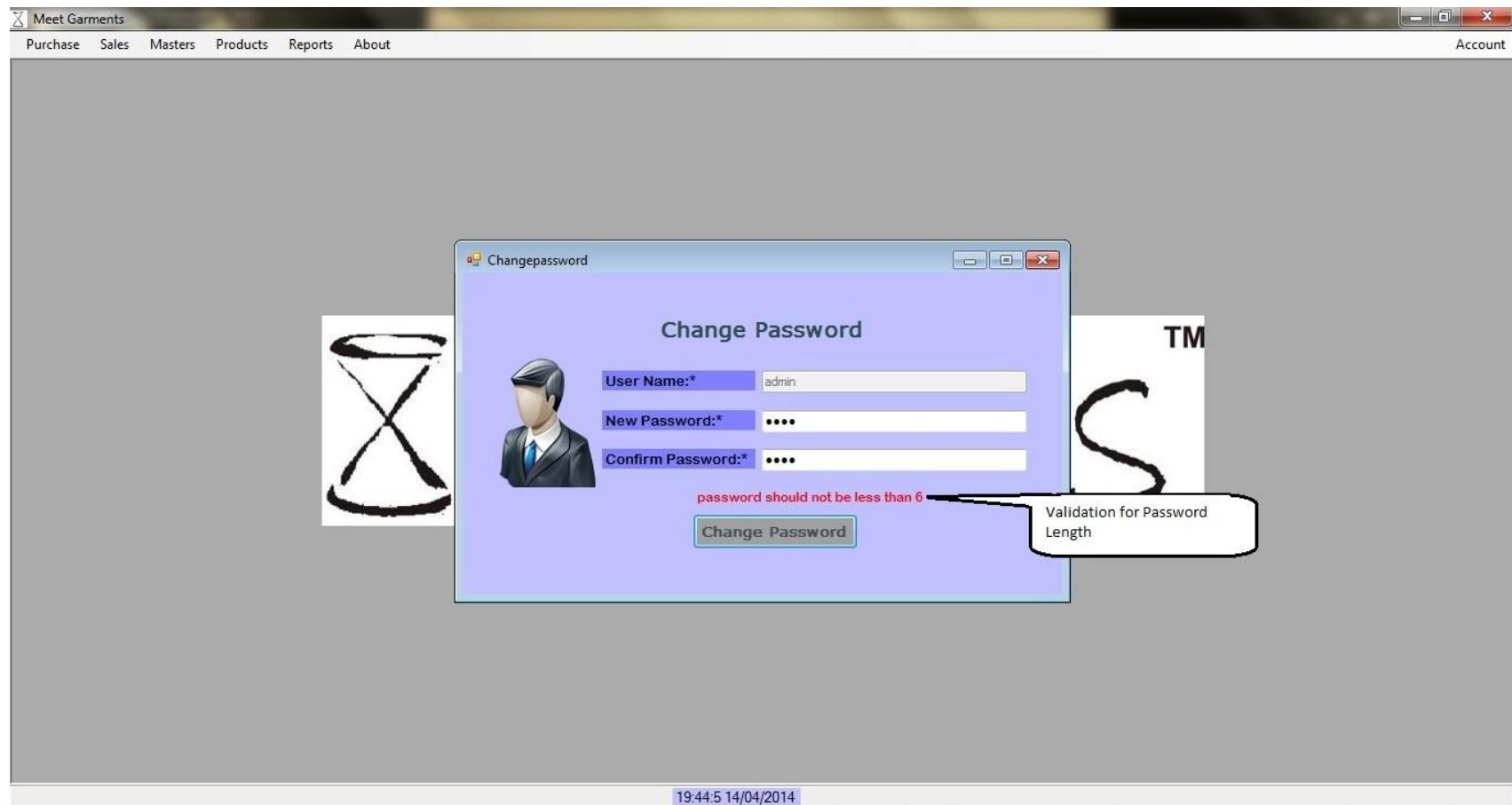
# Login



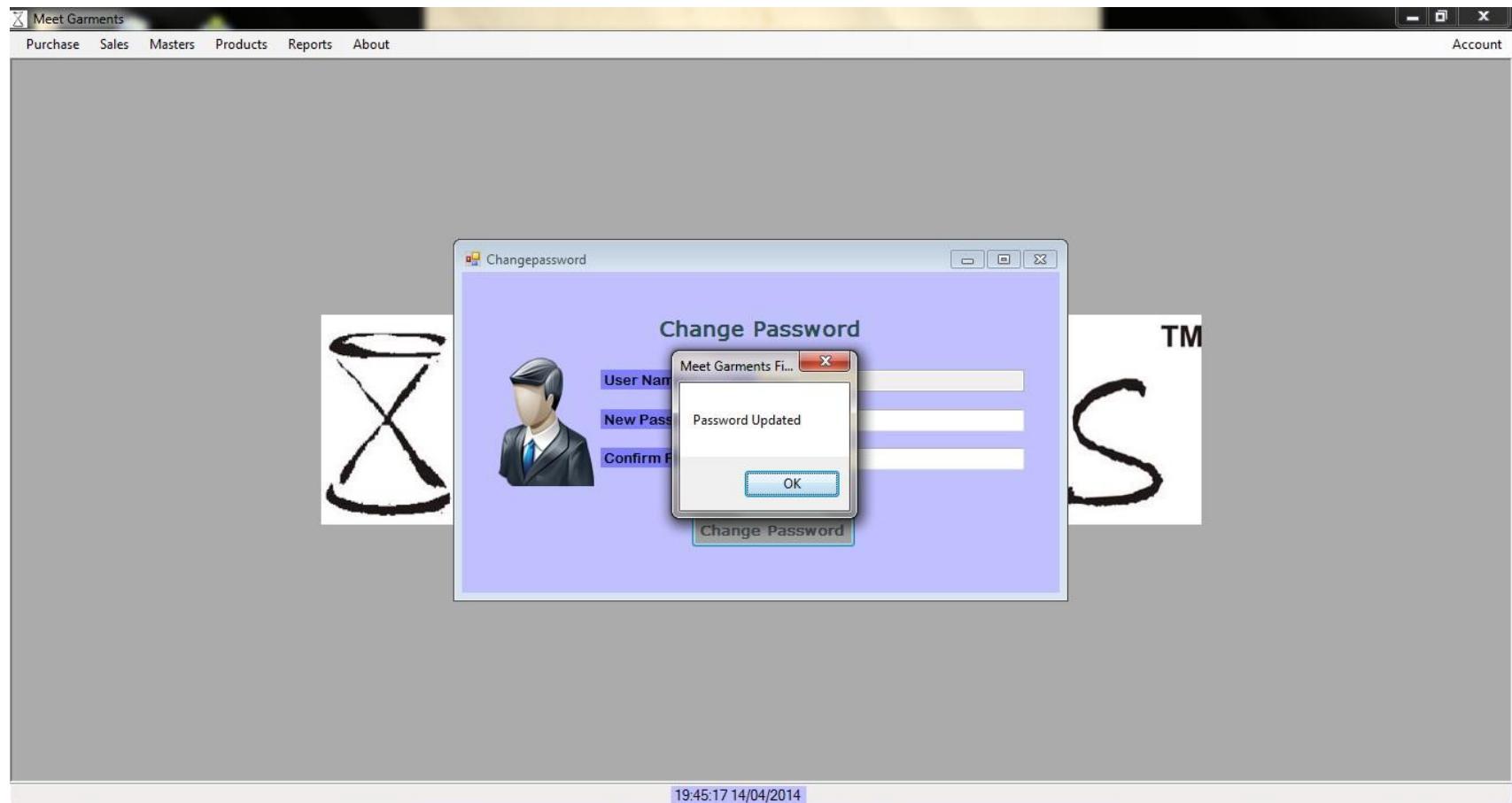
# Login



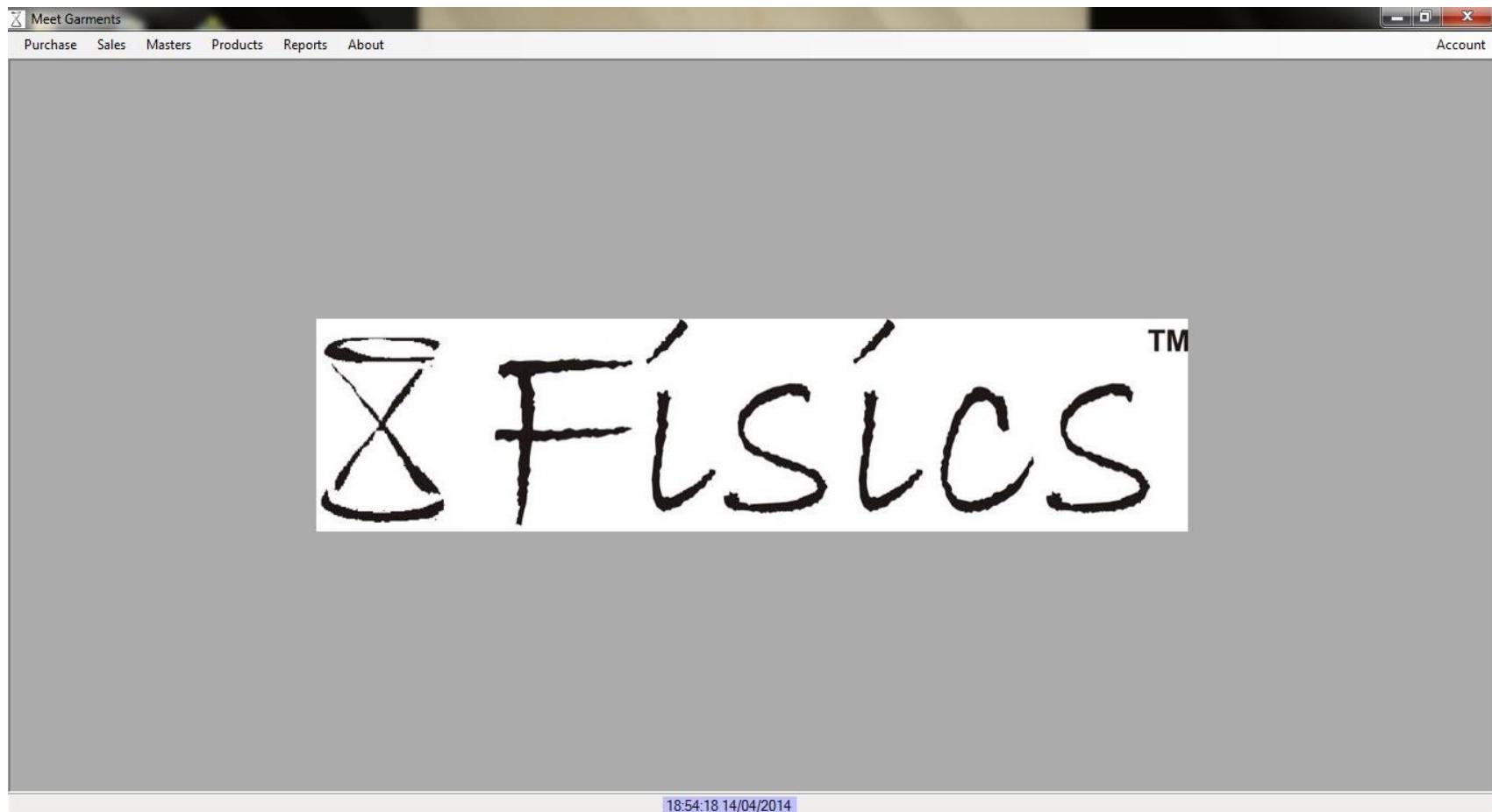
# Login



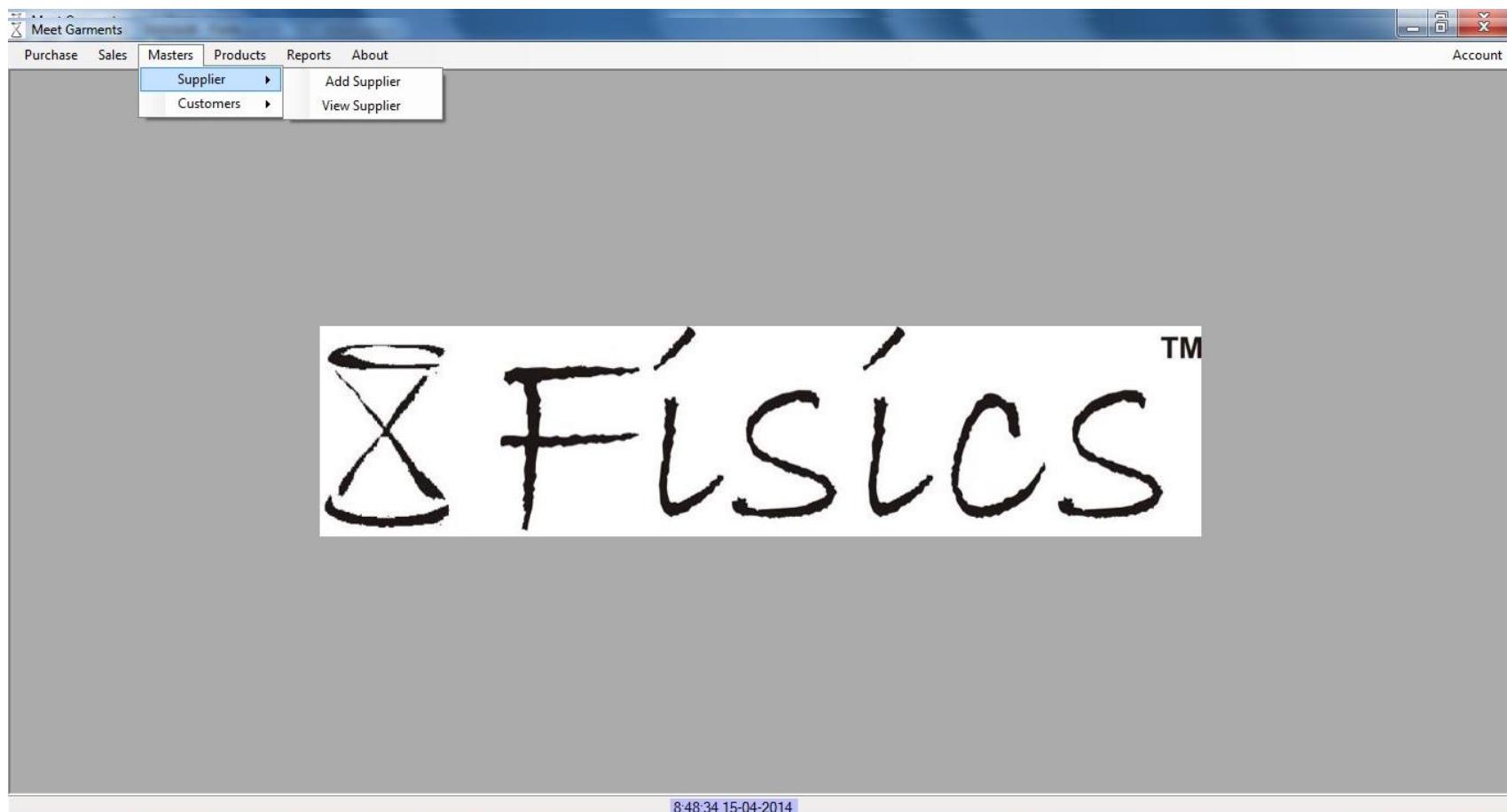
# Login



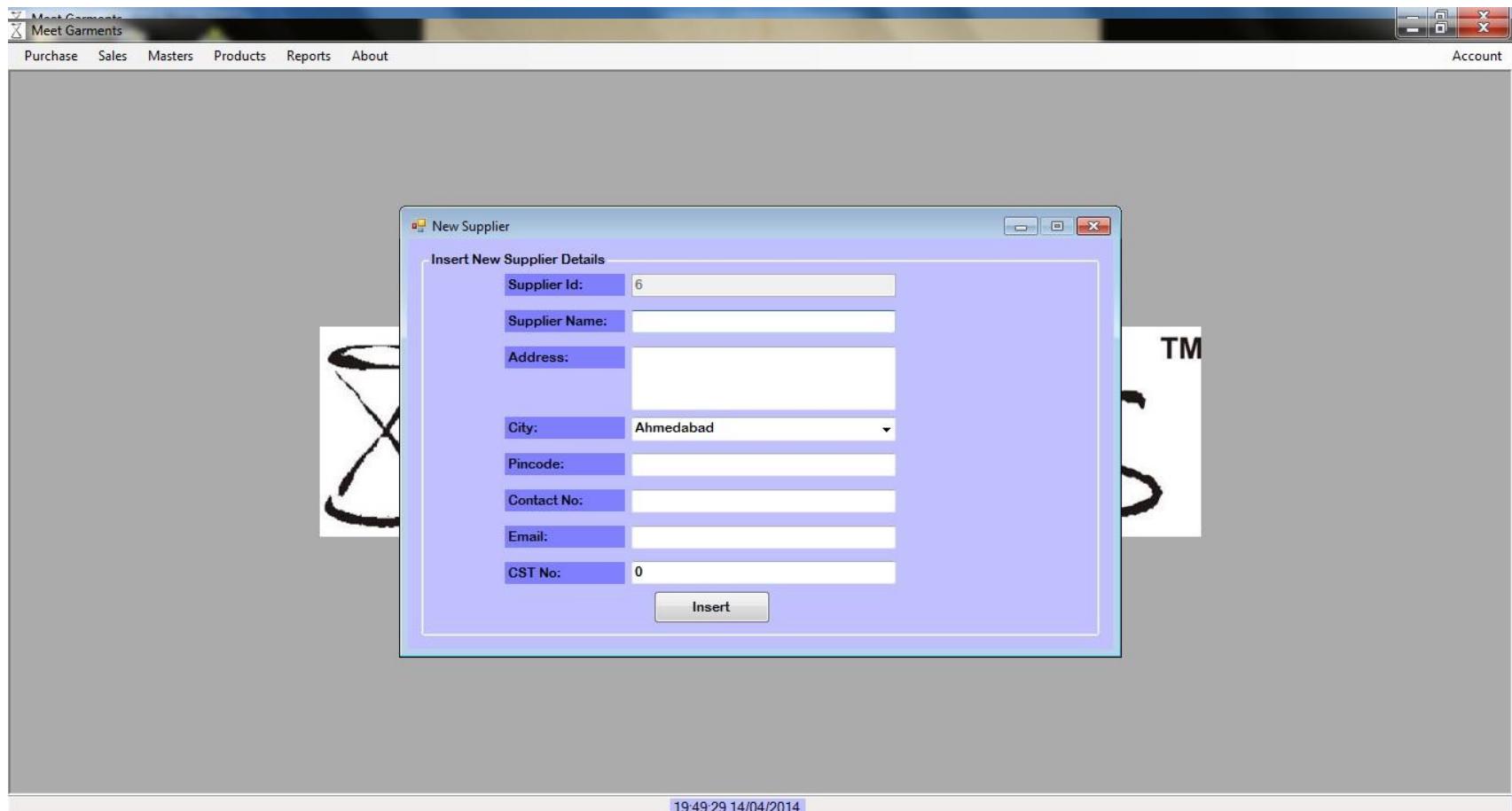
# Home



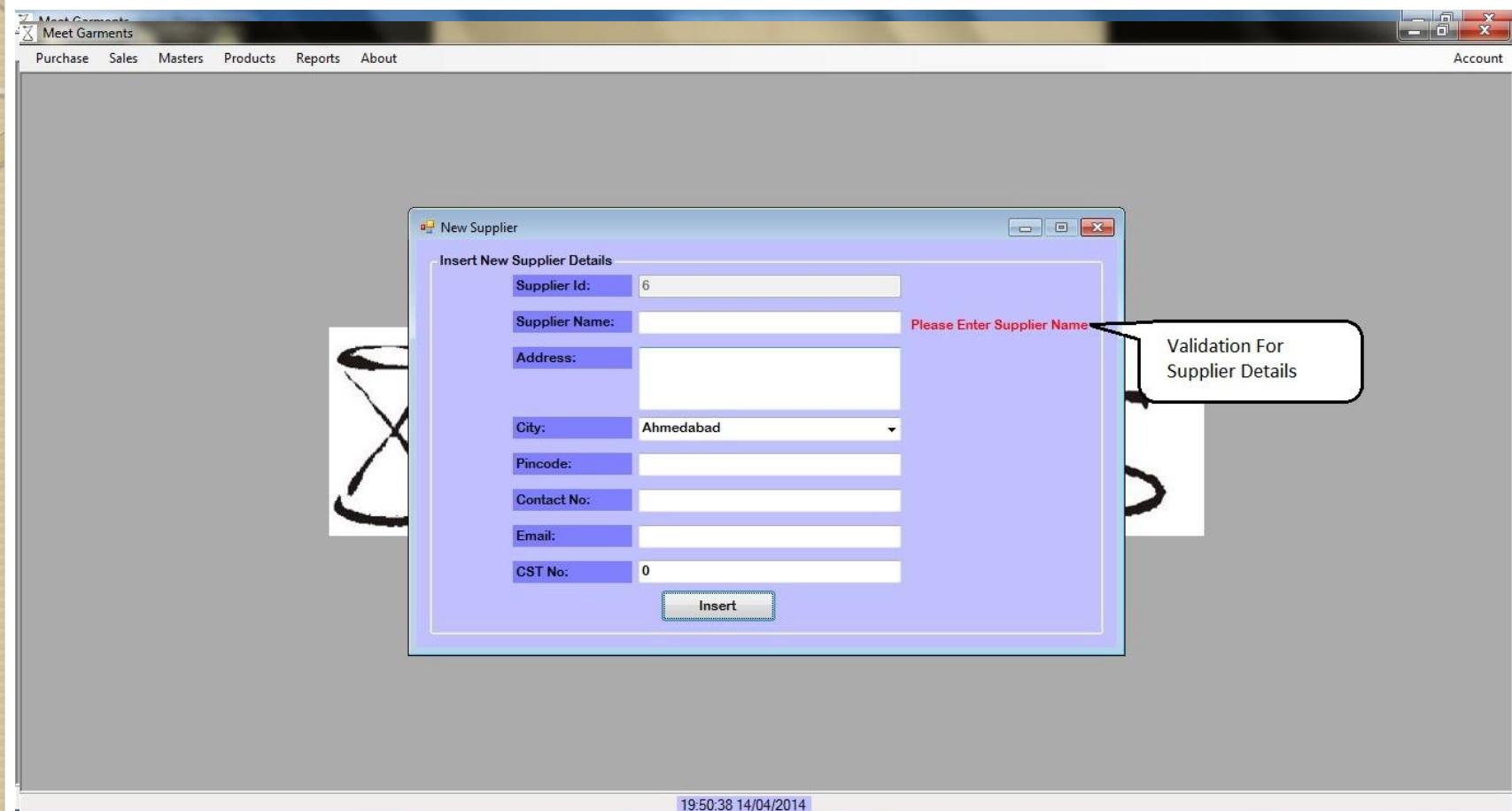
# Add Supplier Details



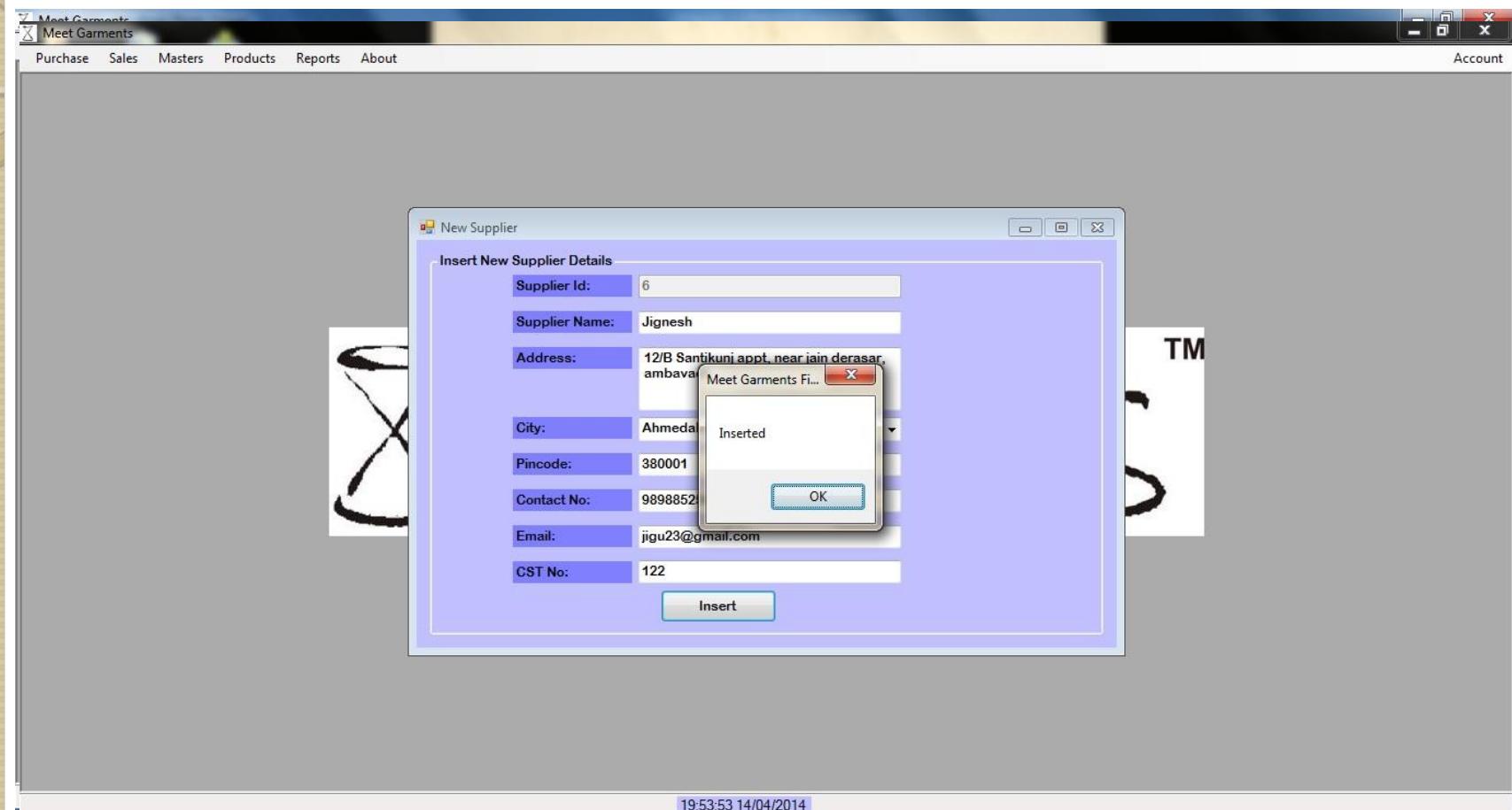
# Add Supplier Details



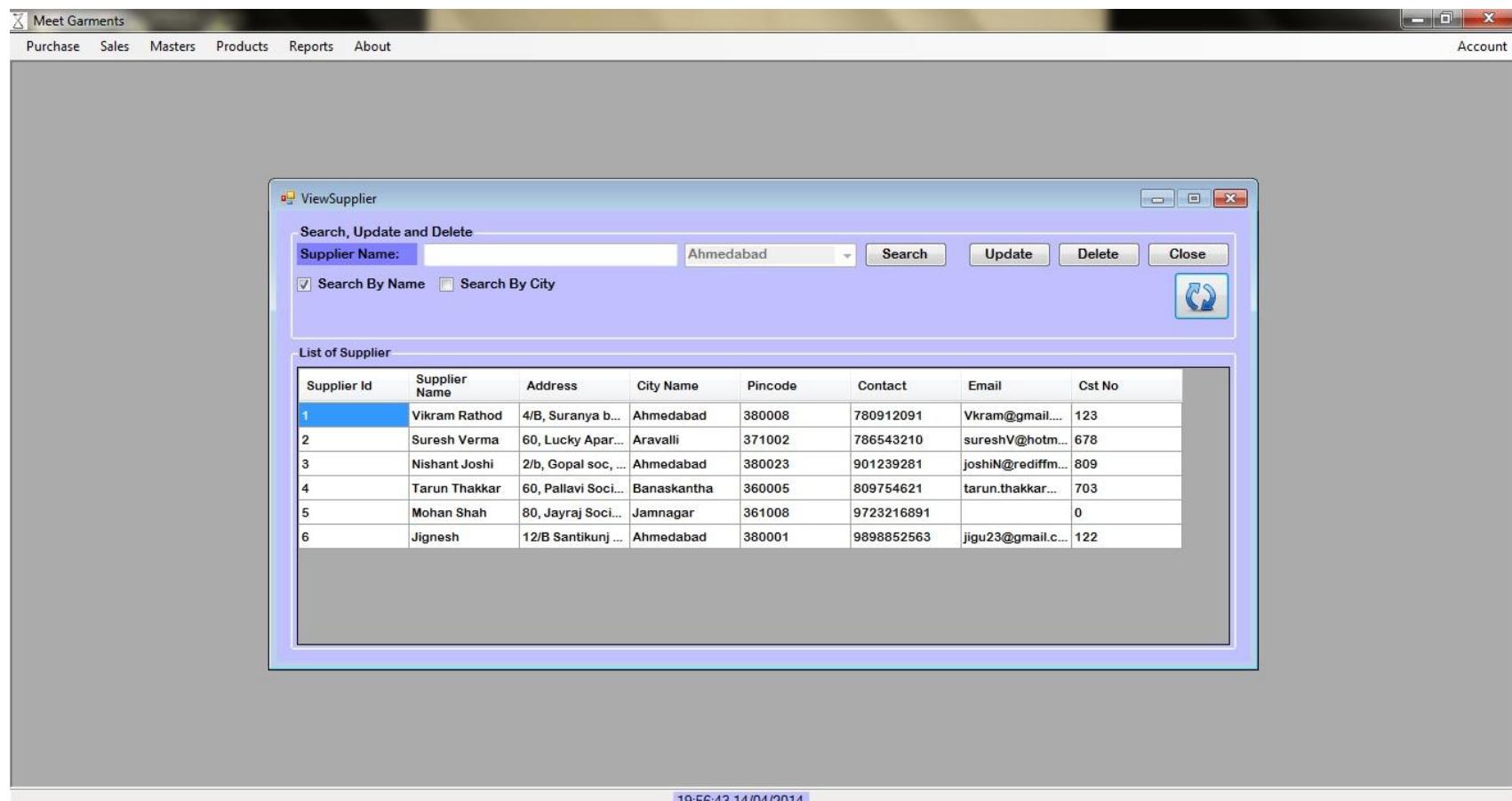
# Add Supplier Details



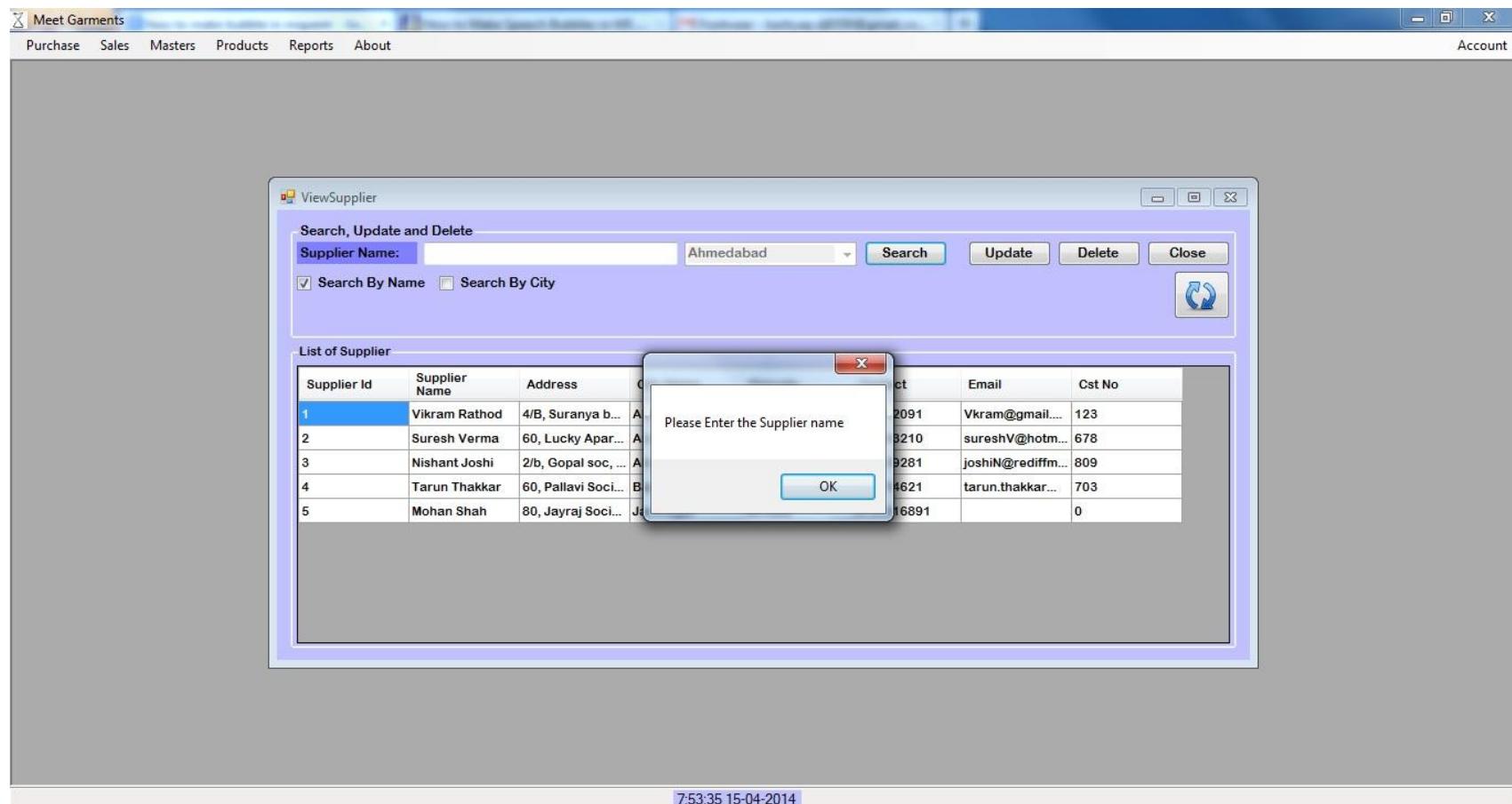
# Add Supplier Details



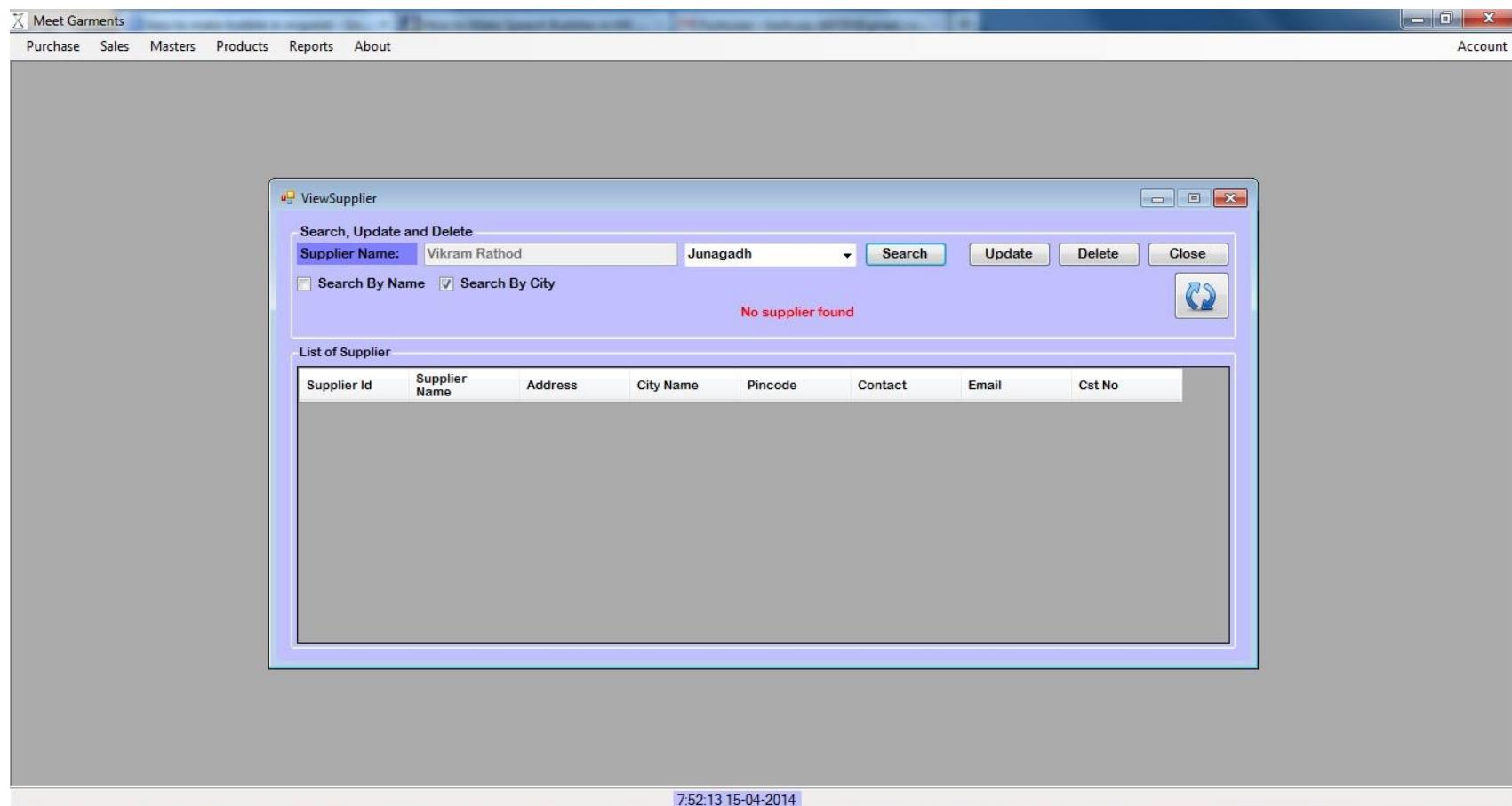
# View Supplier Details



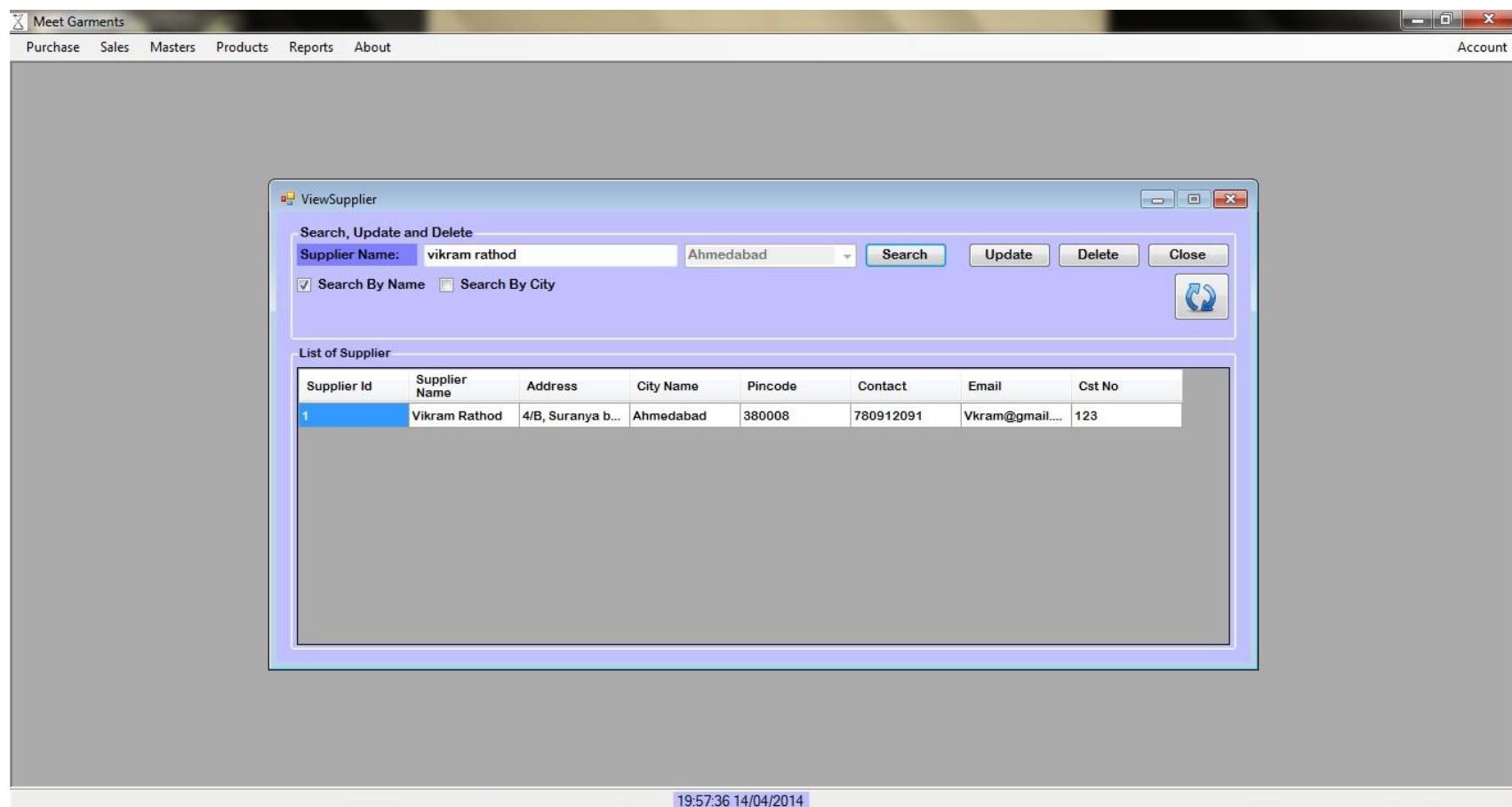
# Validation



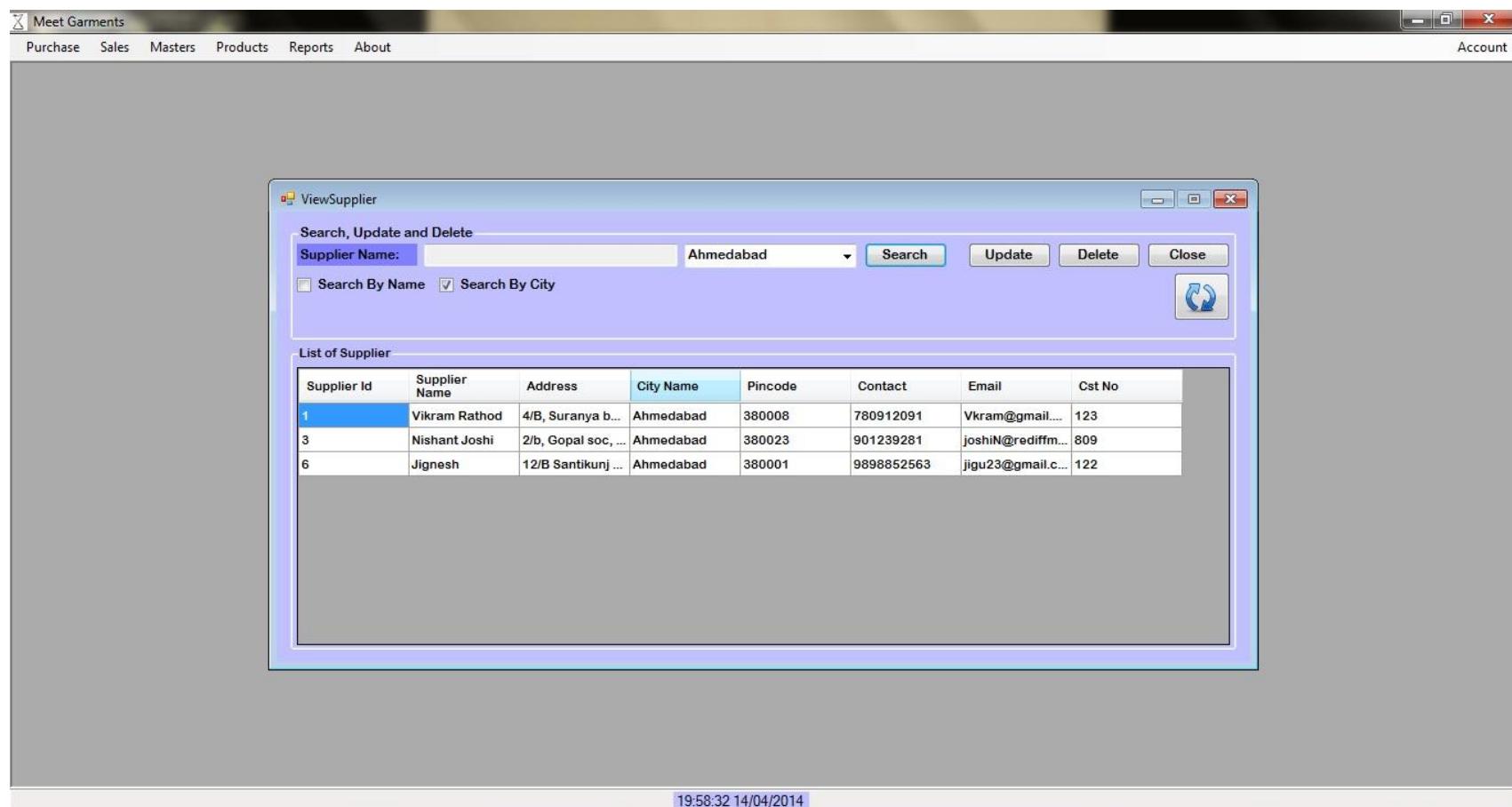
# Validation



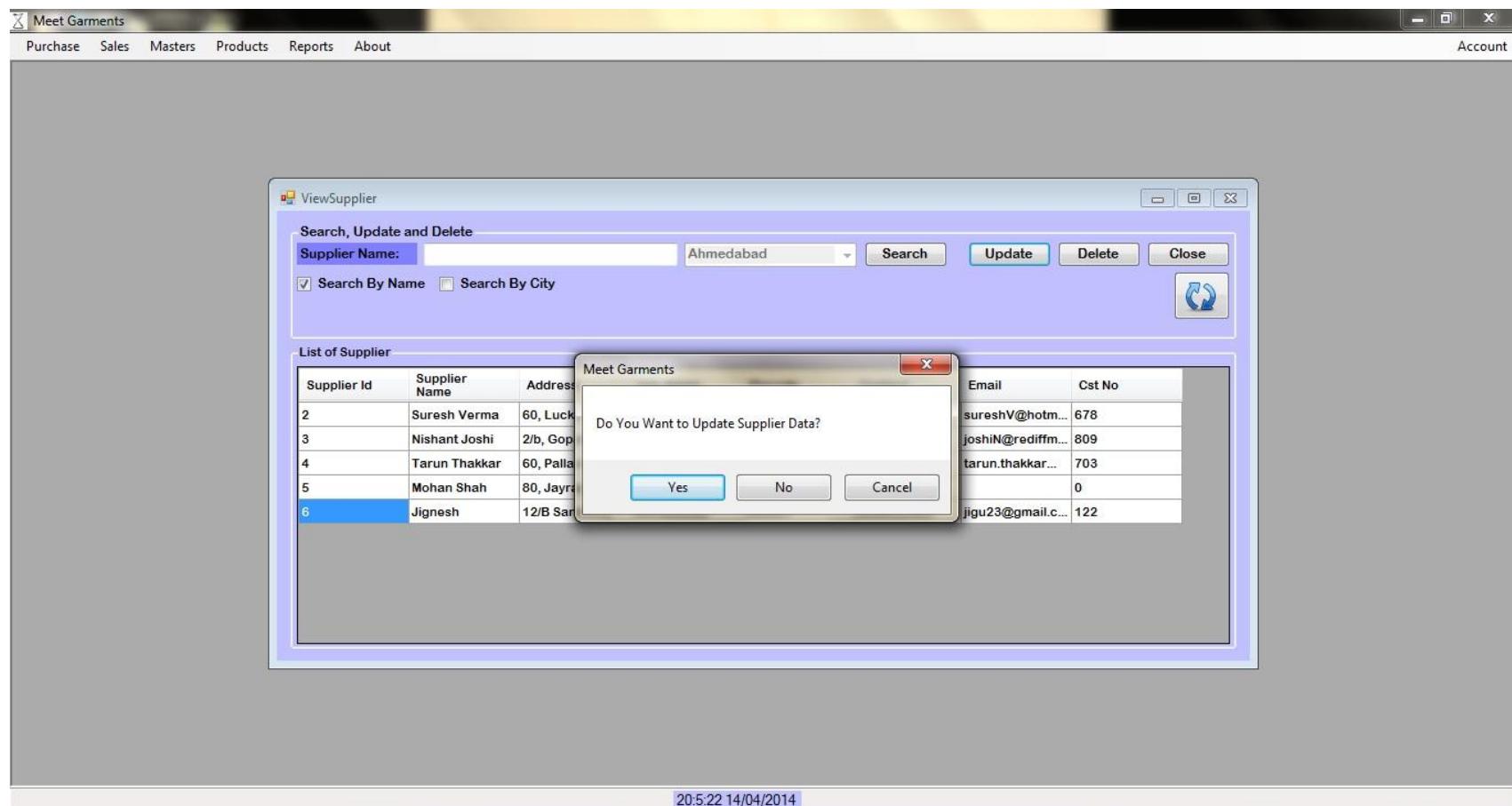
# Search By Name



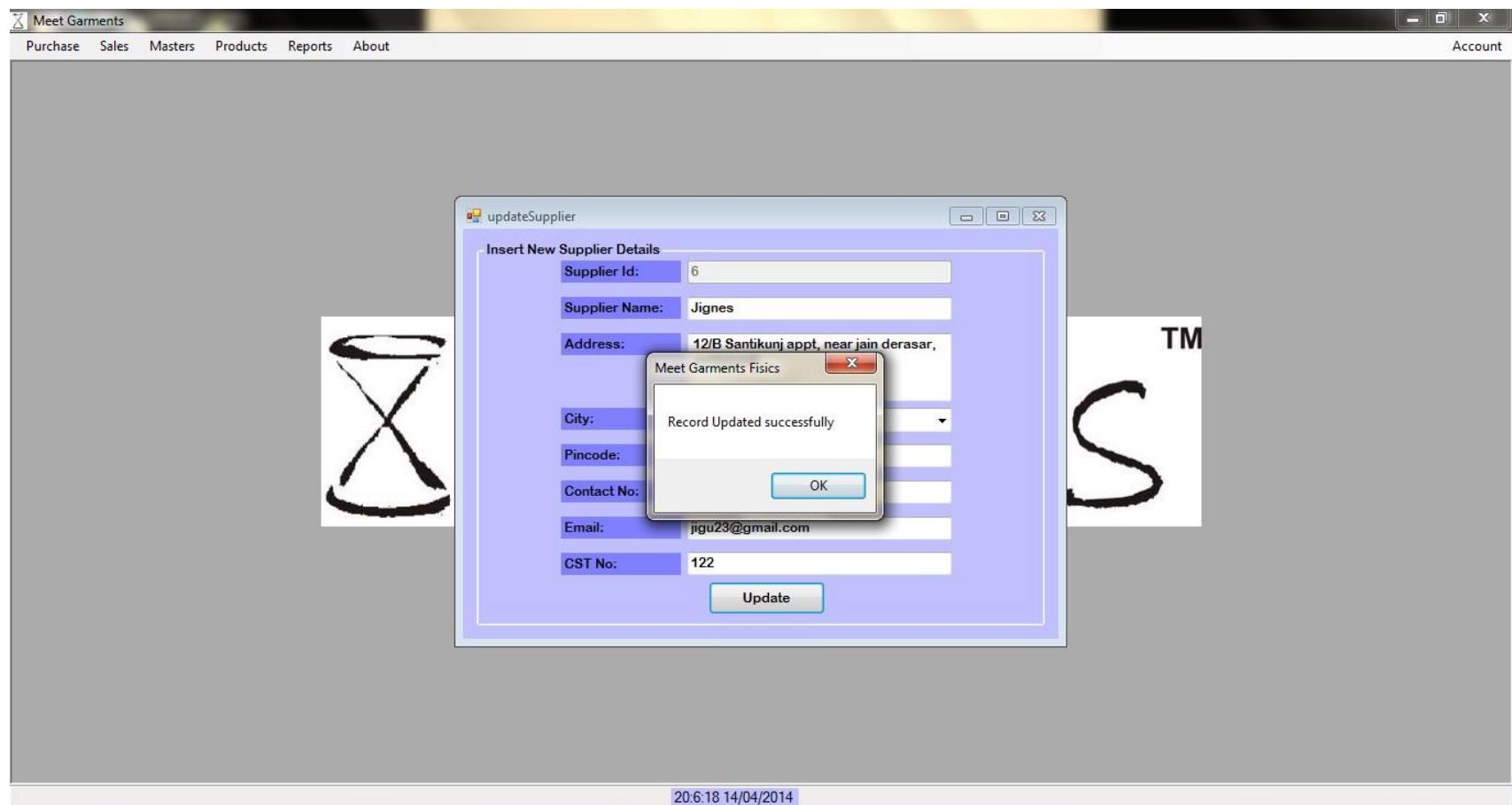
# Search By City



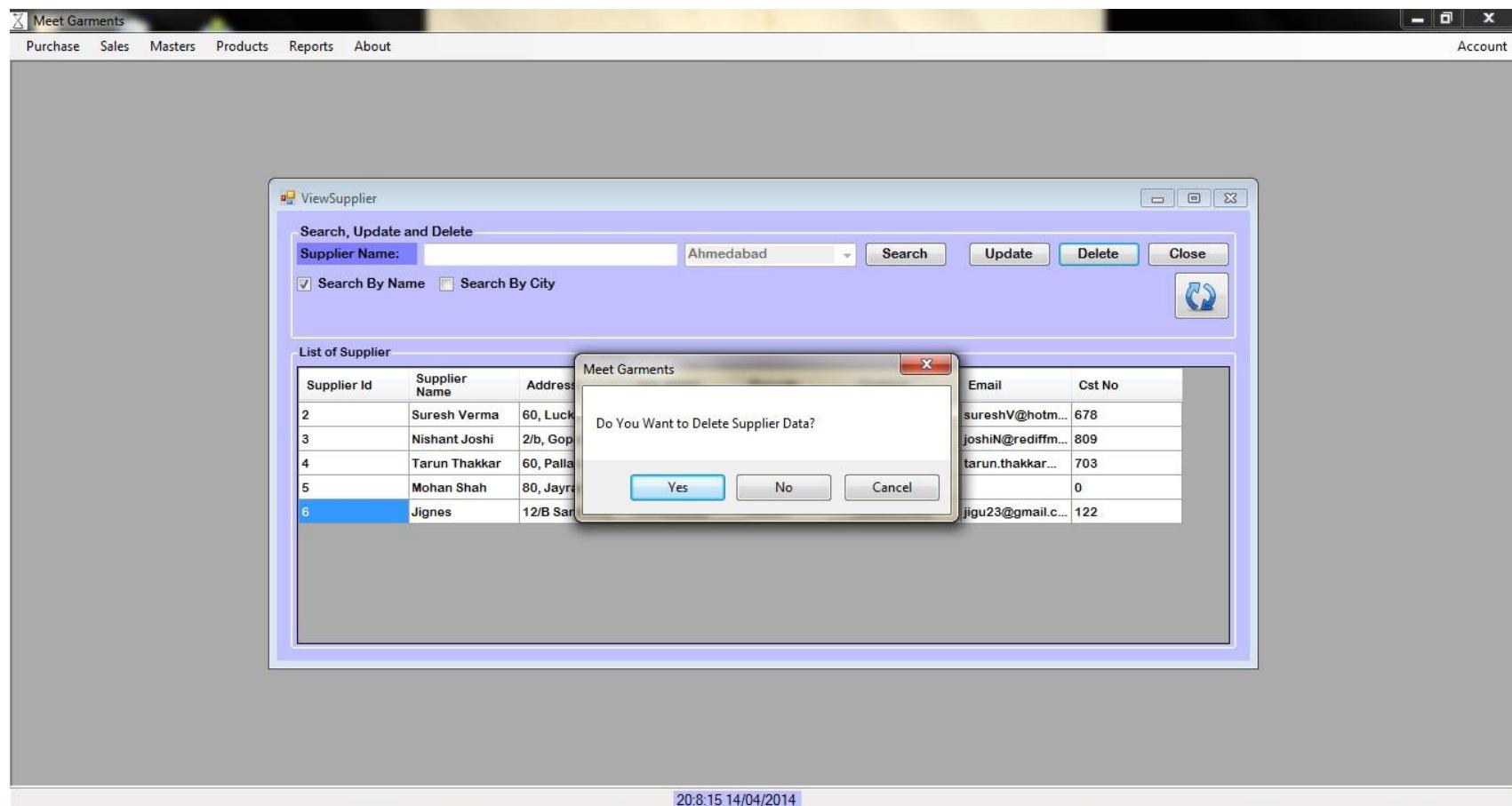
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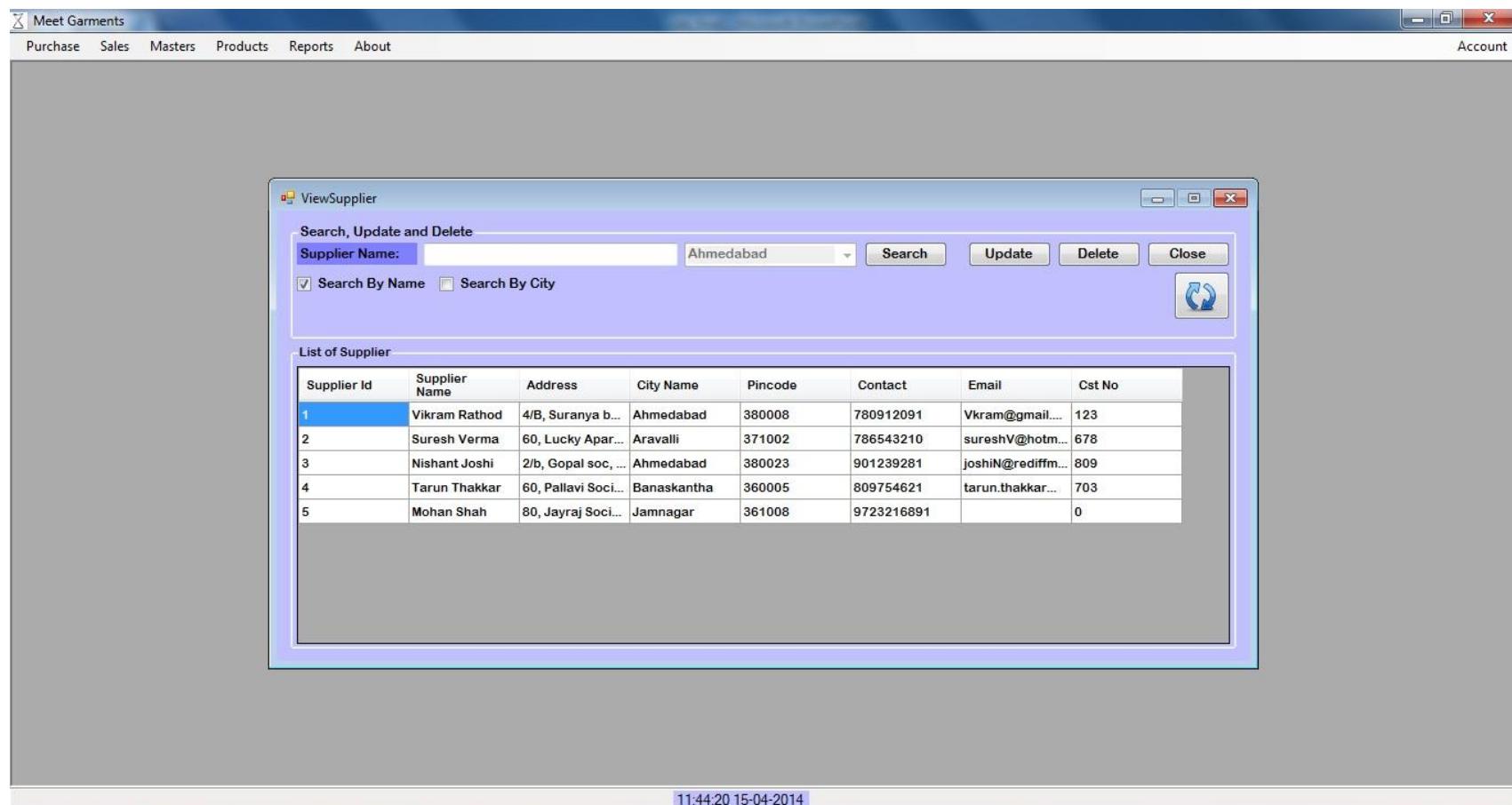
# Update Supplier Details



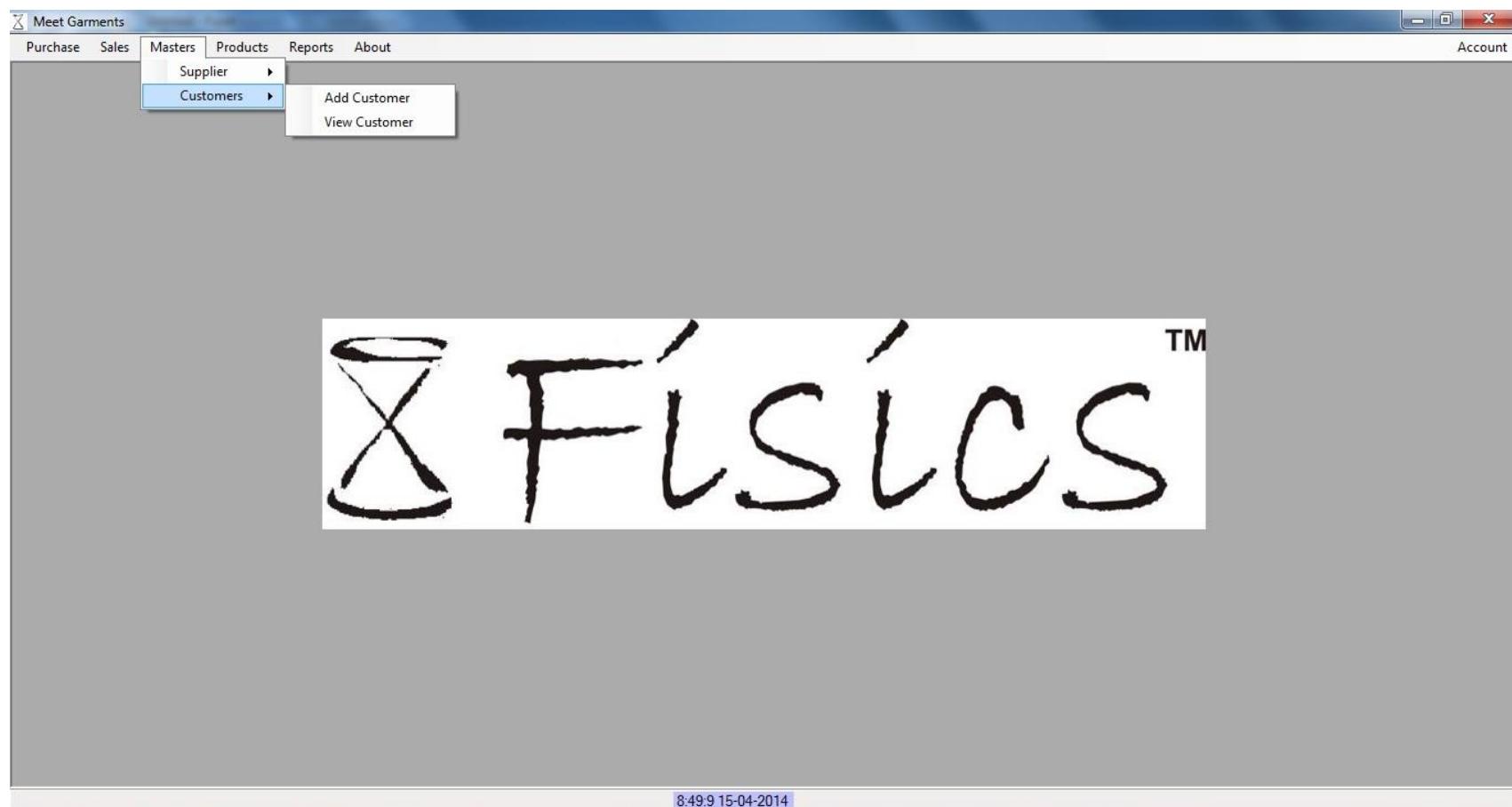
# Delete Supplier Details



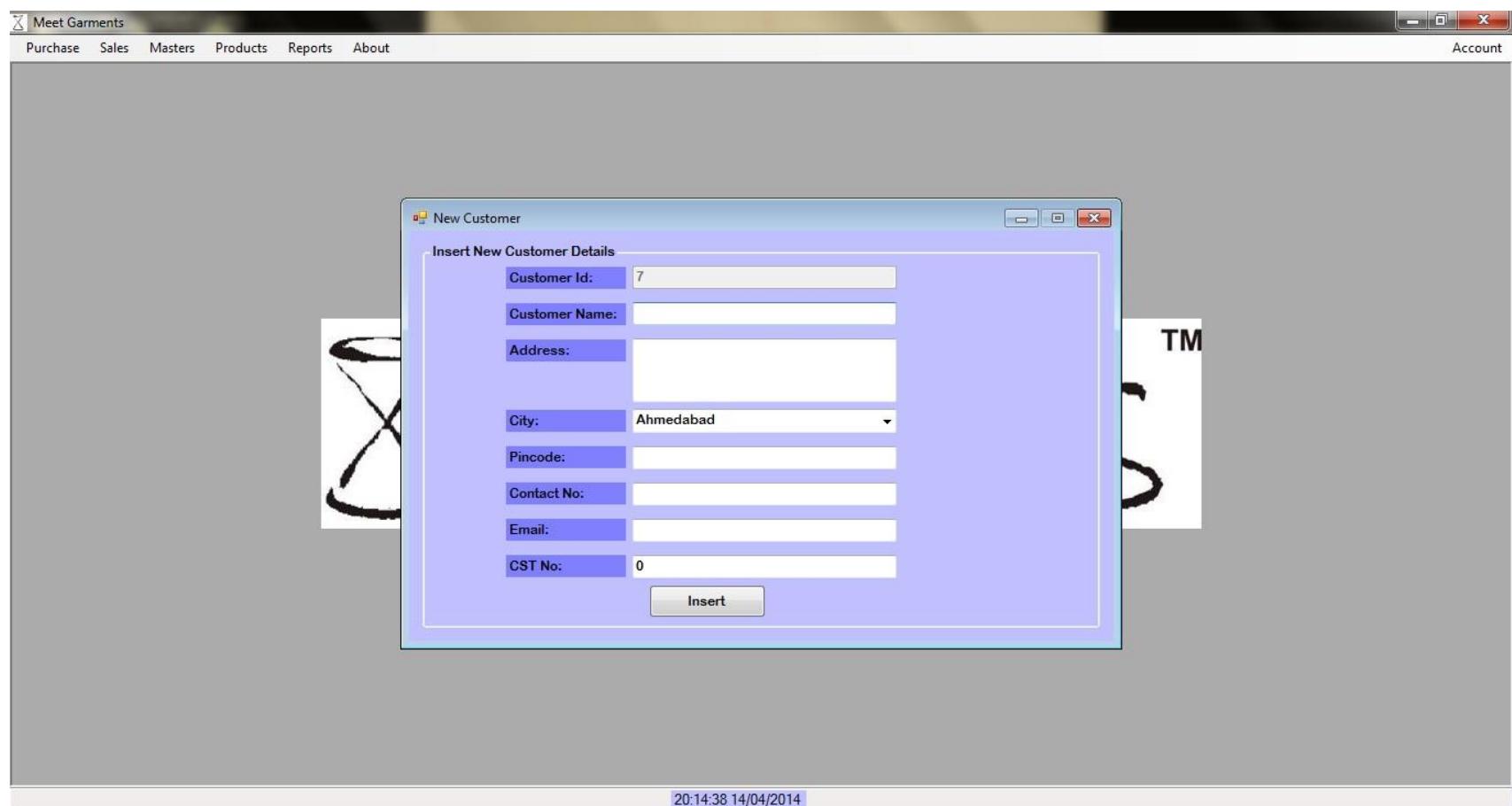
# Delete Supplier Details



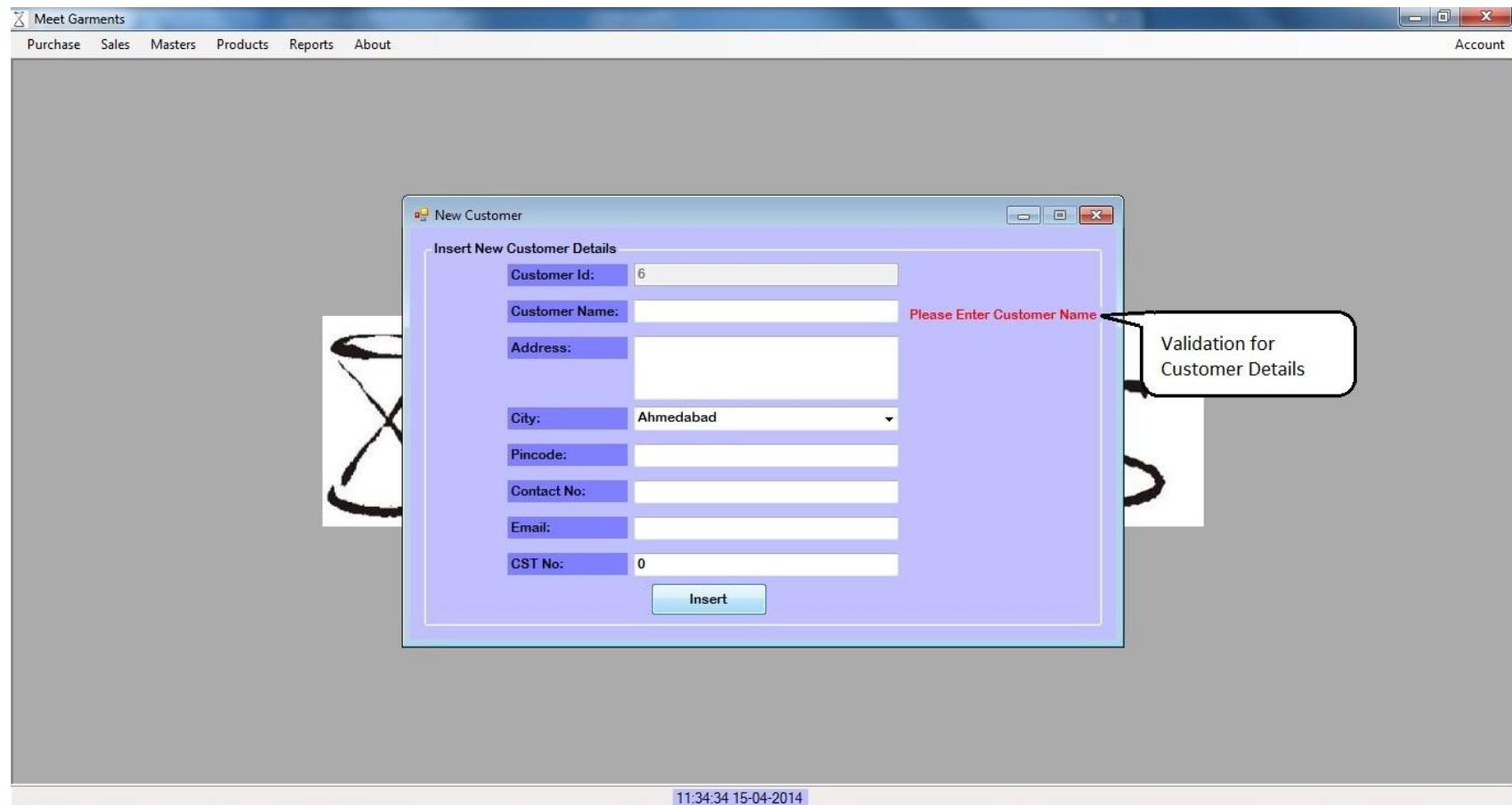
# Add Customer Details



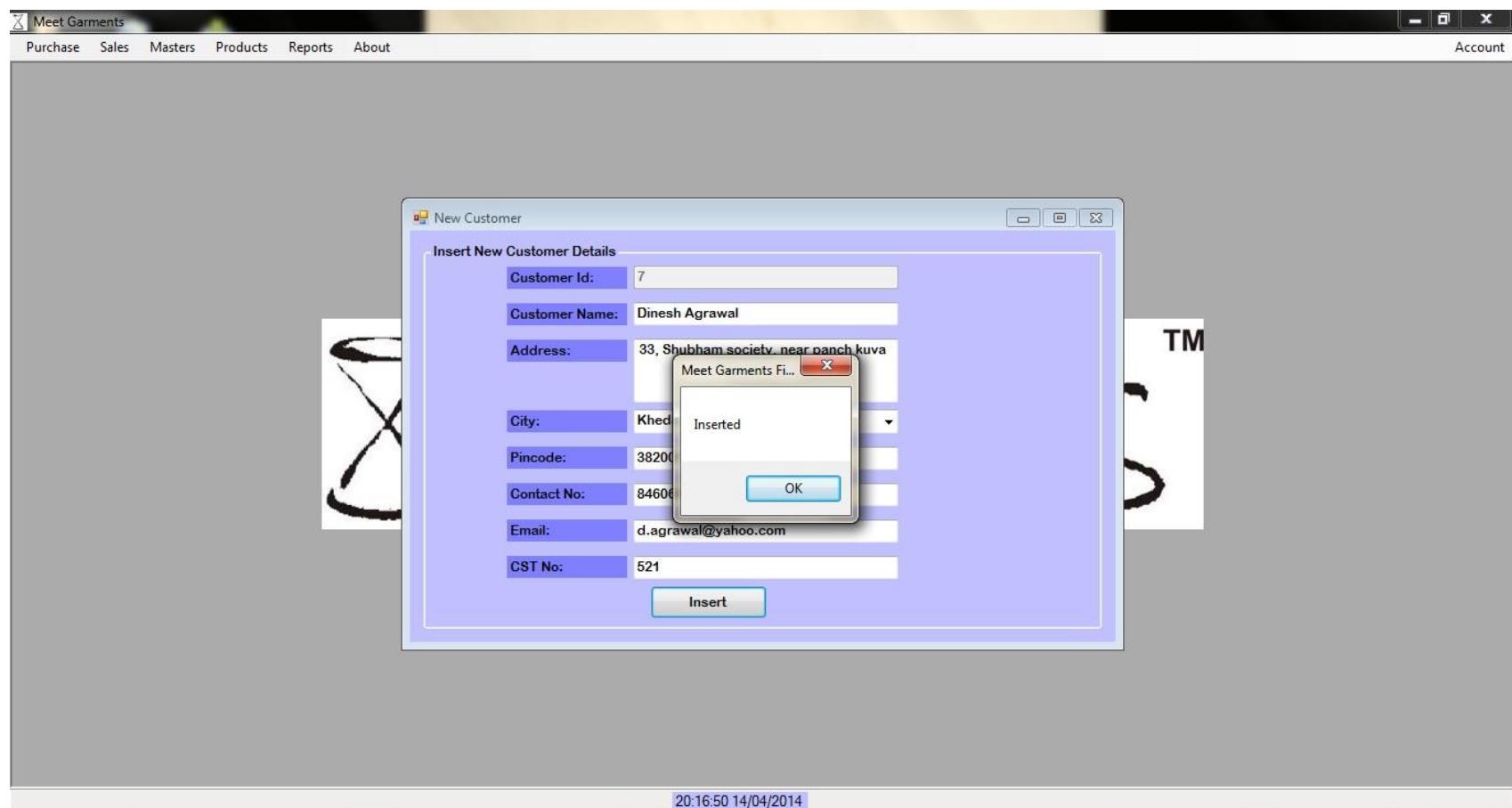
# Add Customer Details



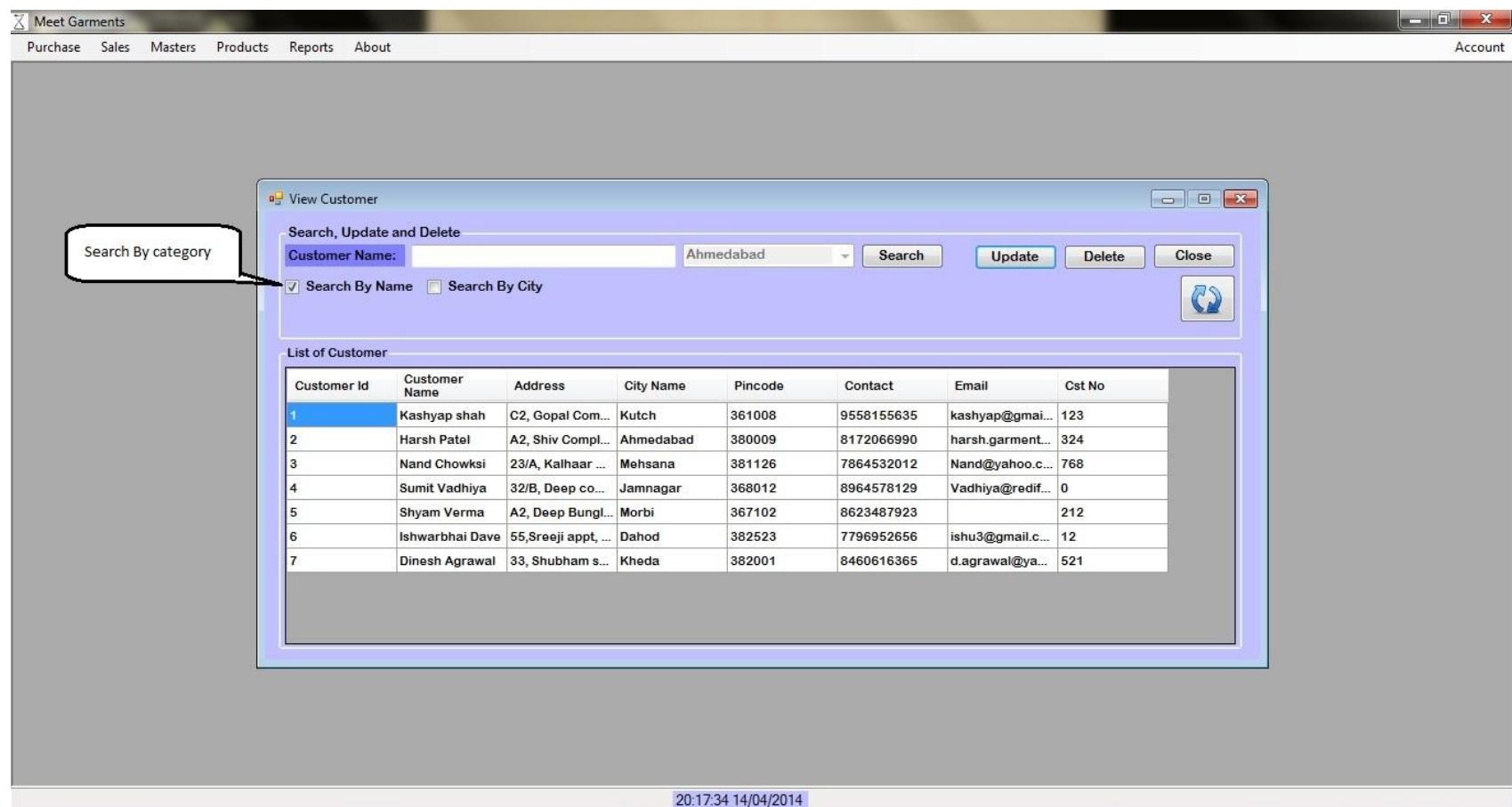
# Add Customer Details



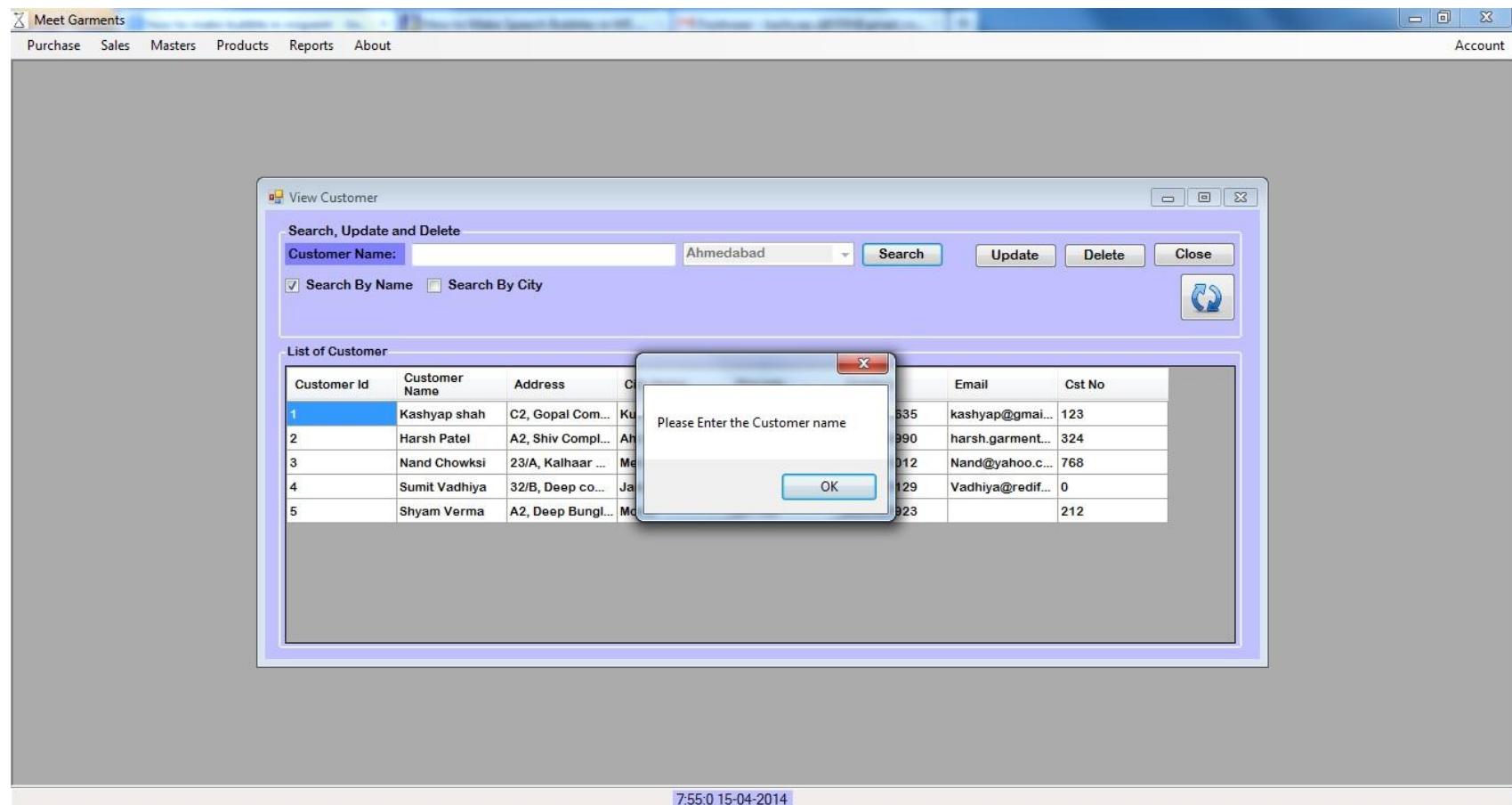
# Add Customer Details



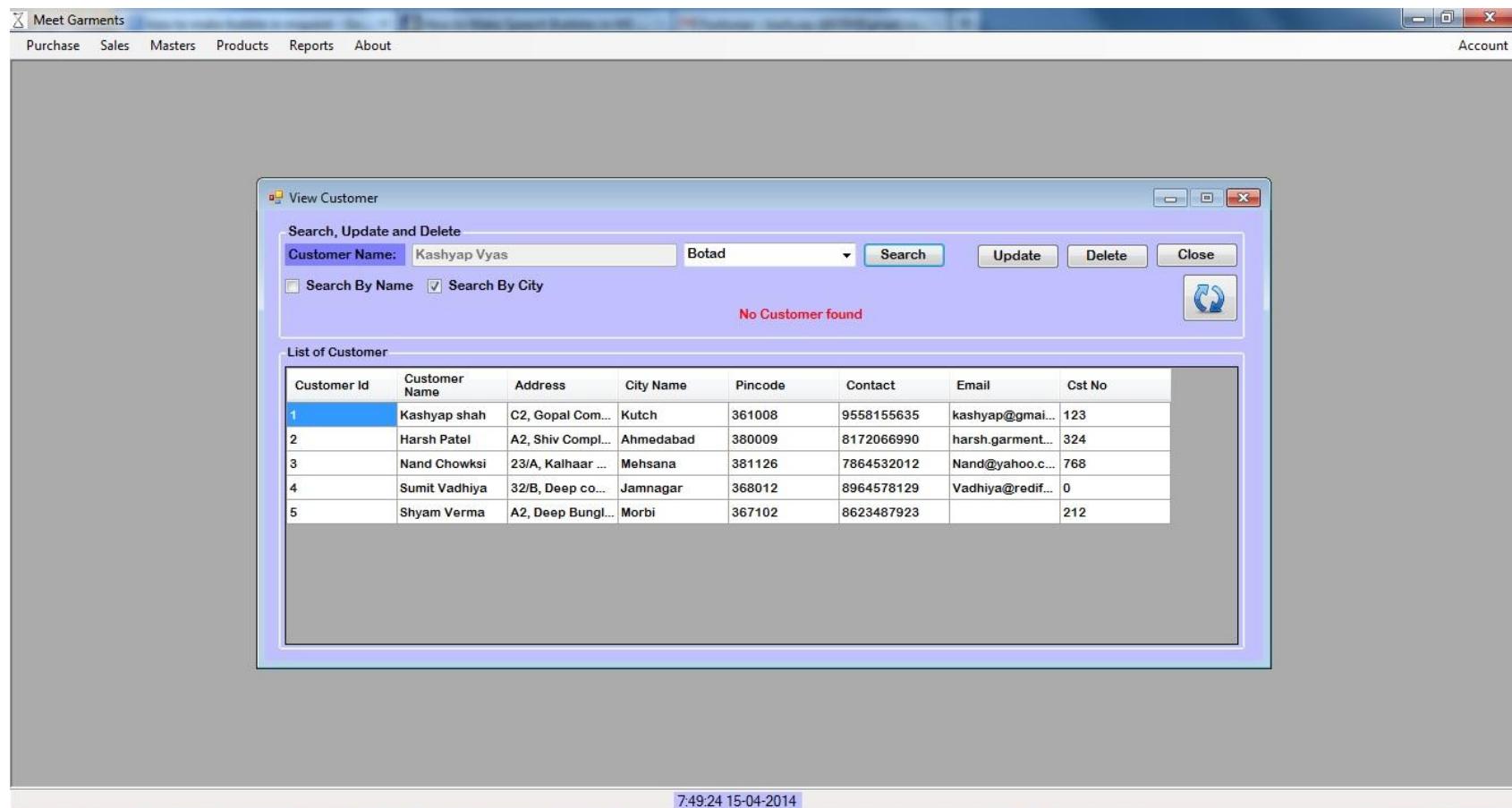
# View Customer Details



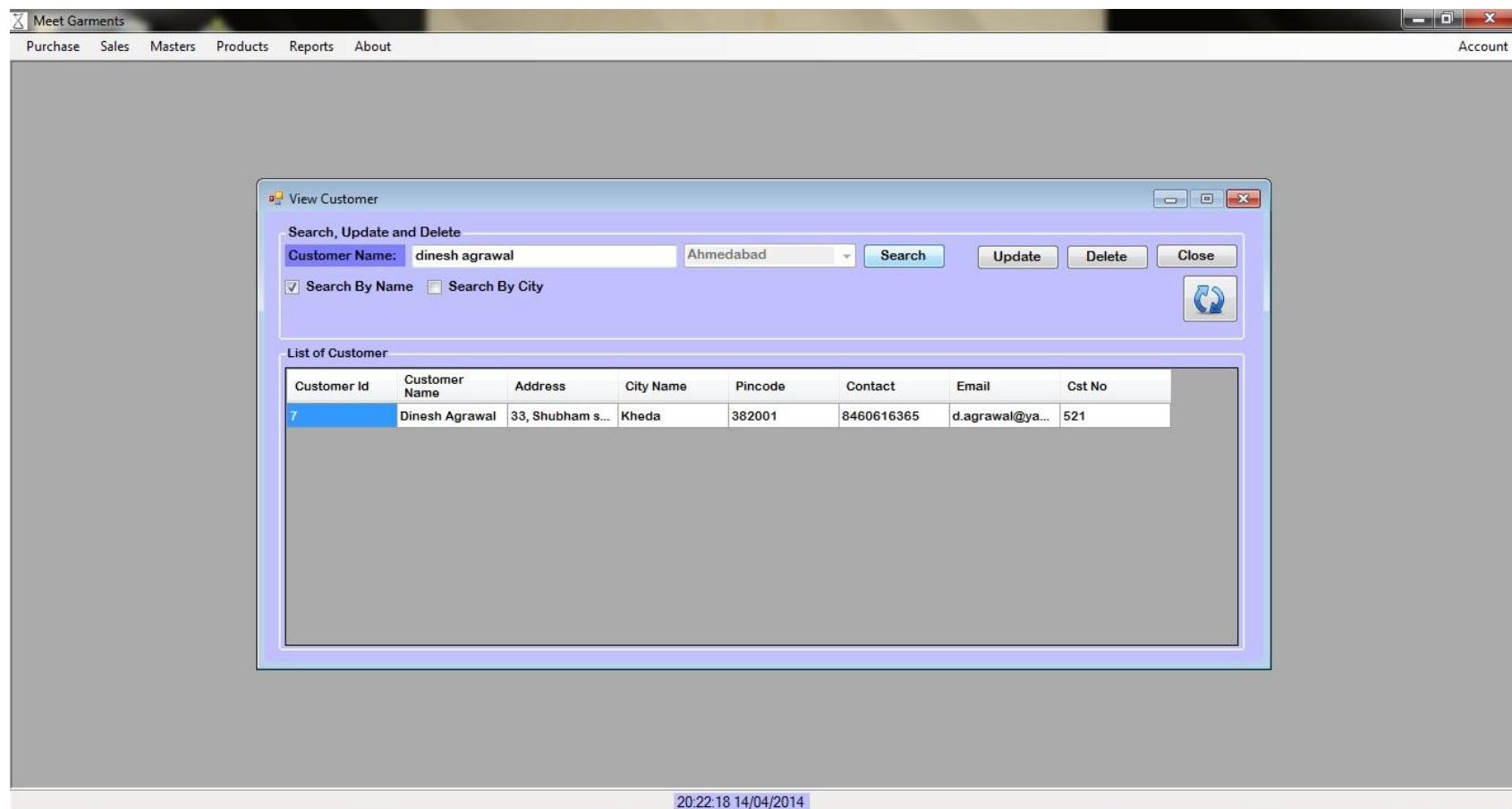
# Validation



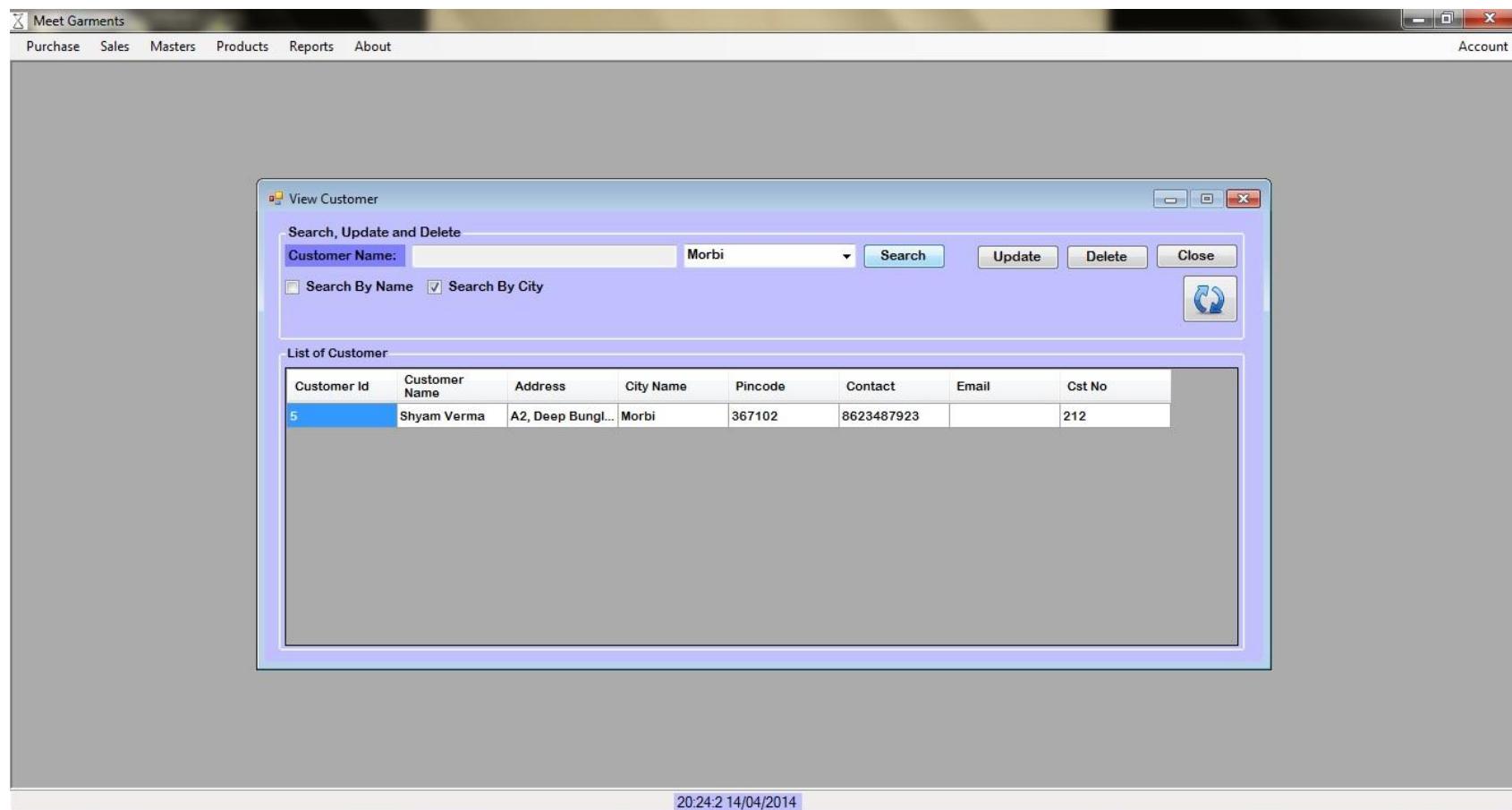
# Validation



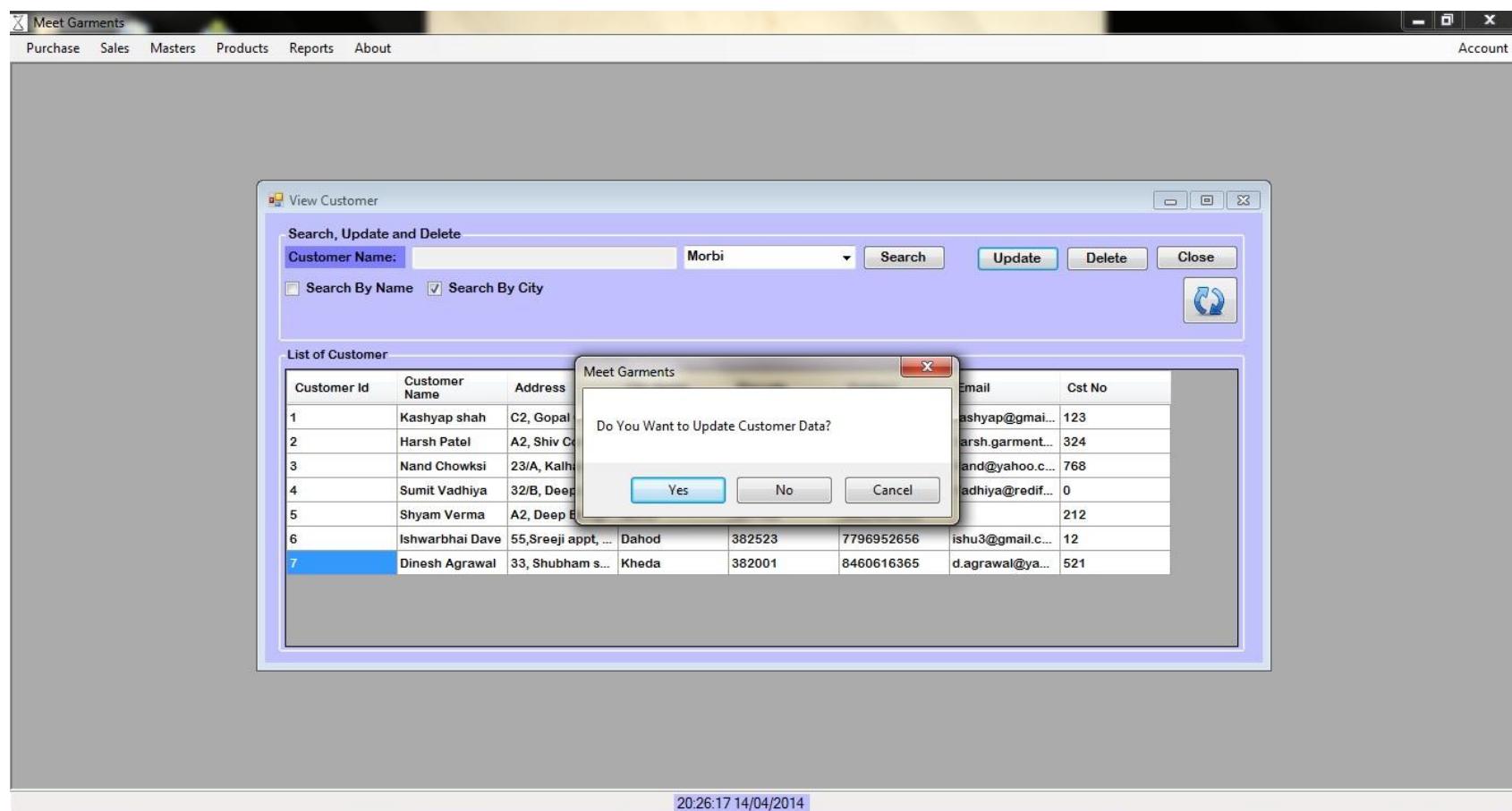
# Search By Name



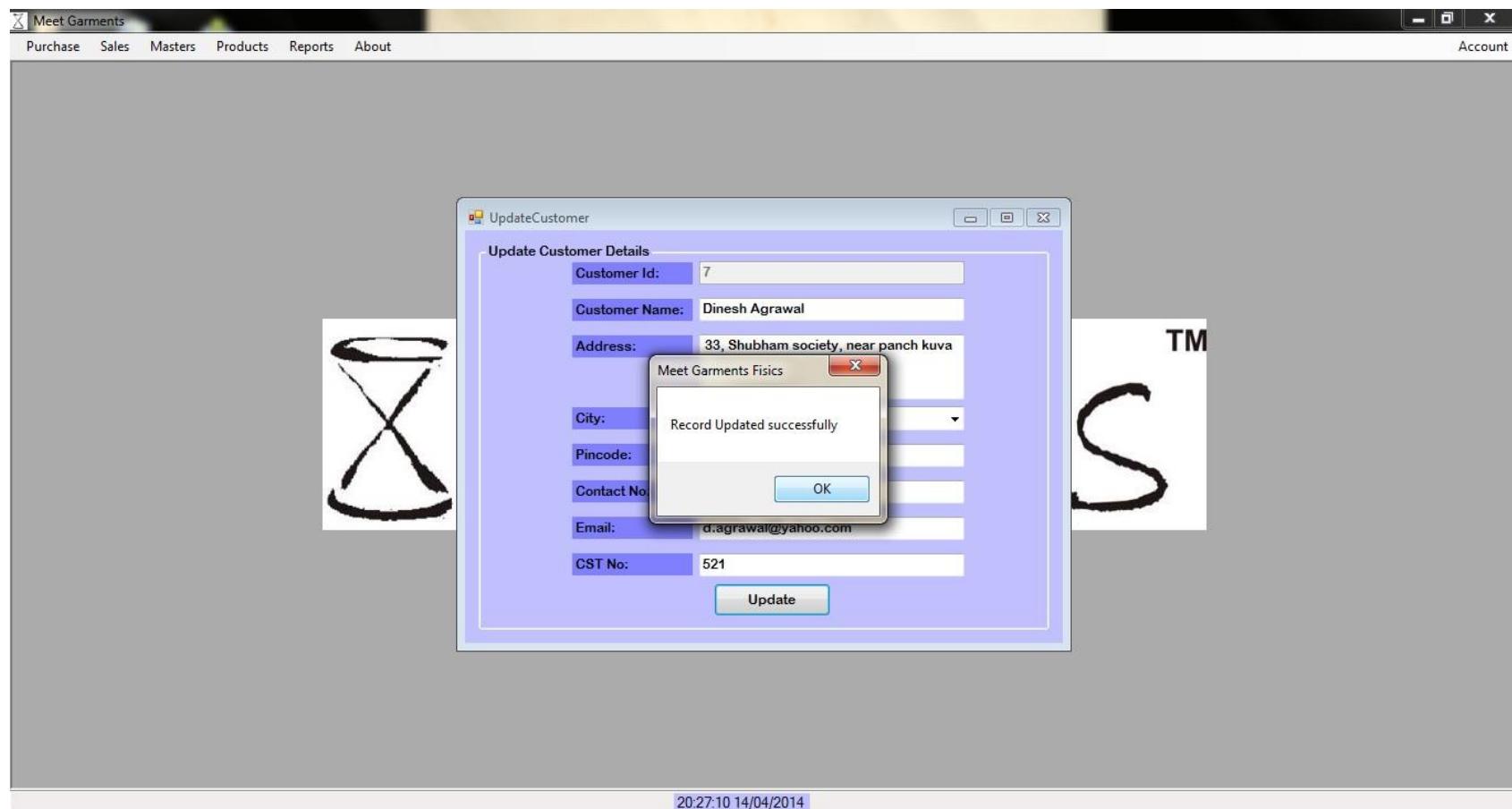
# Search By City



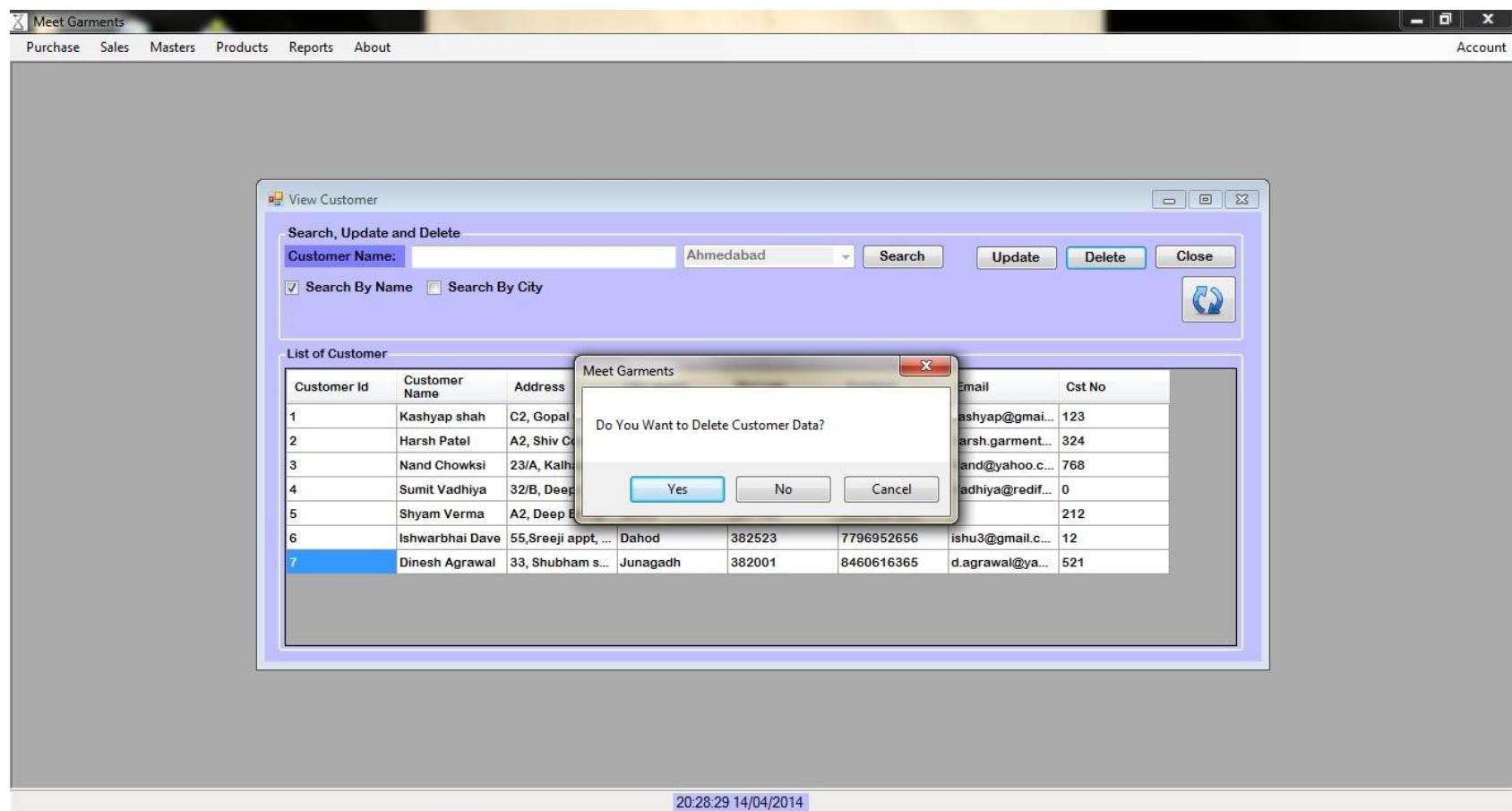
# Update Customer Details



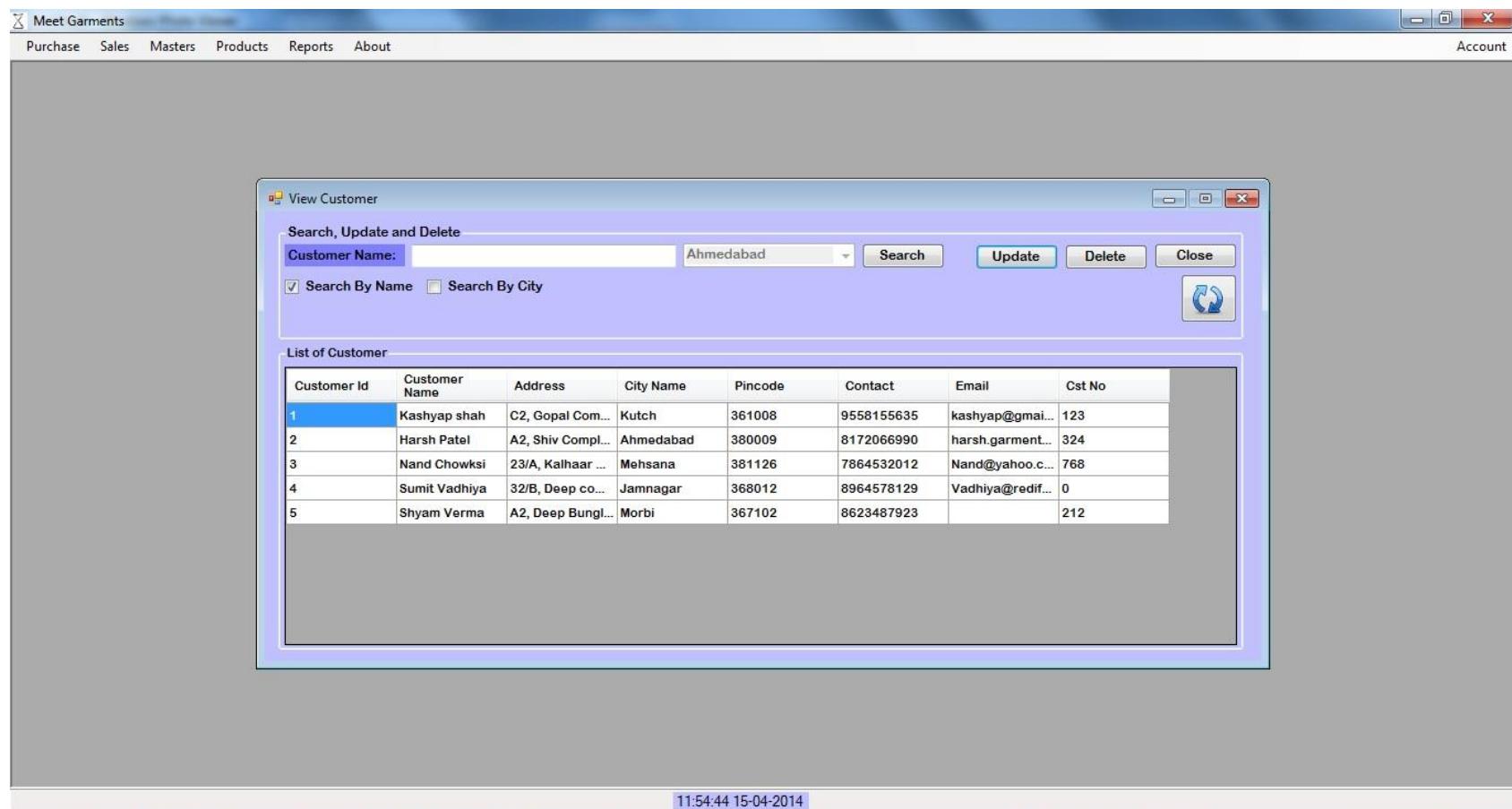
# Update Customer Details



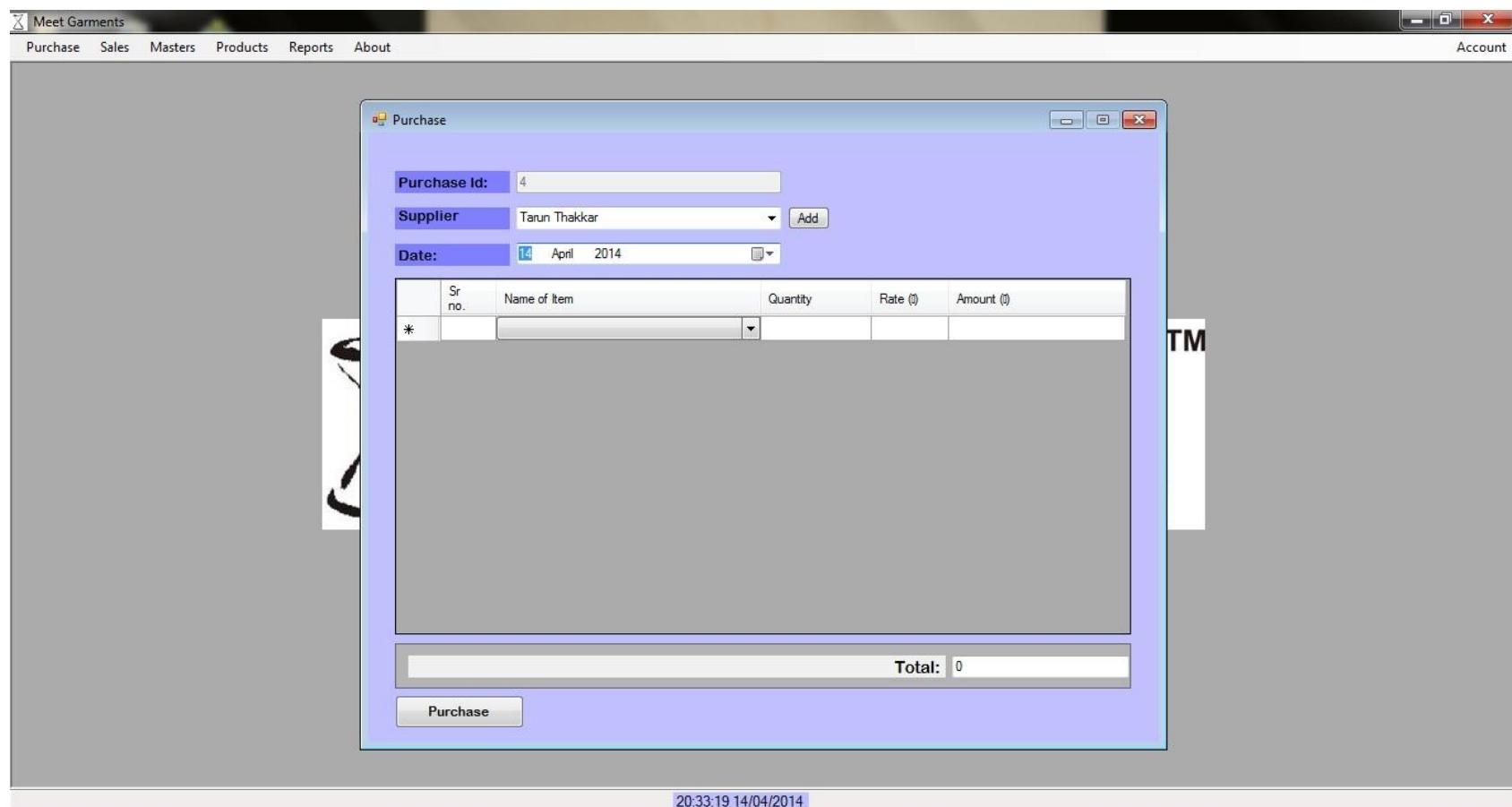
# Delete Customer Details



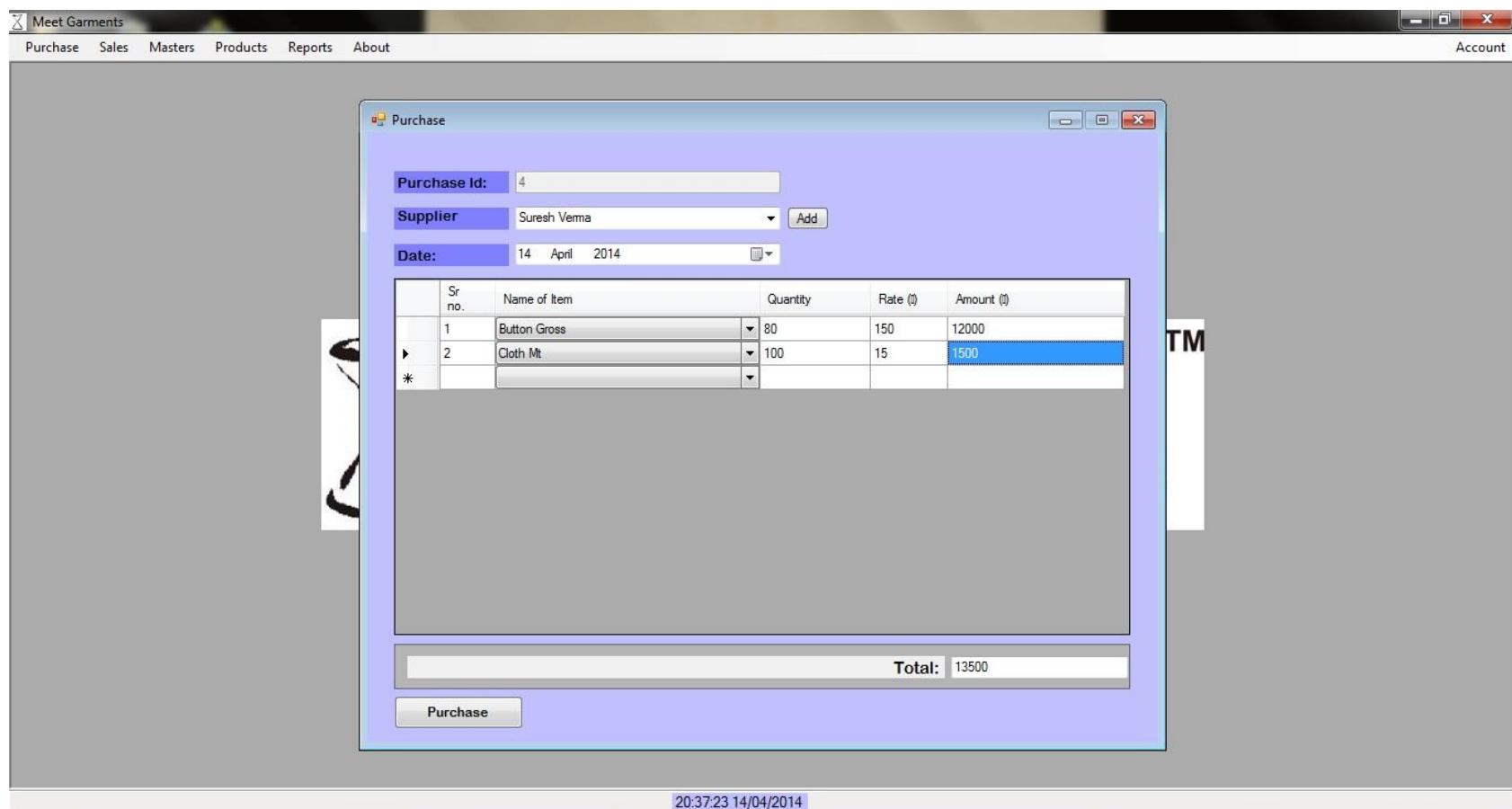
# Delete Customer Details



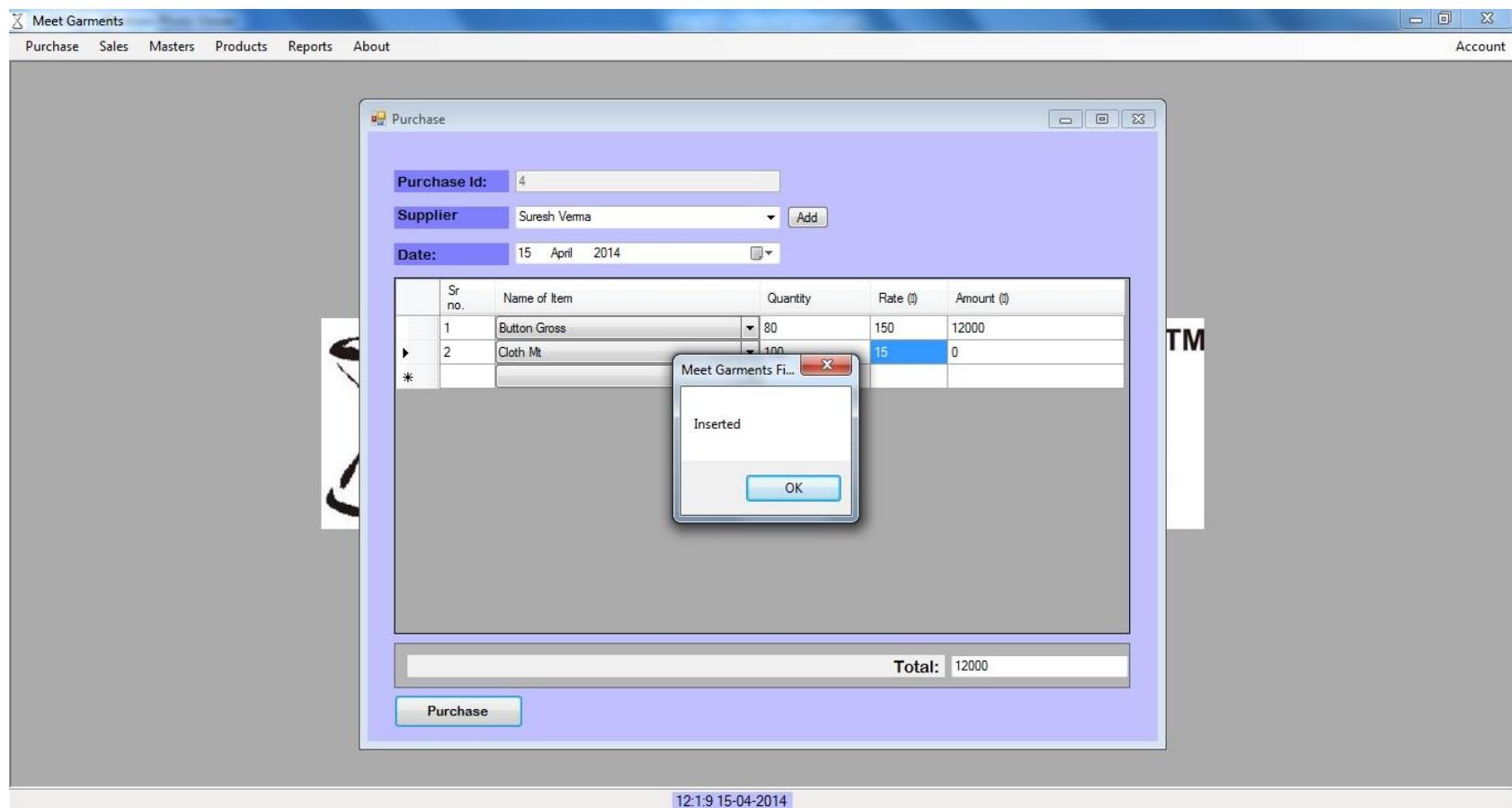
# Add Purchase Details



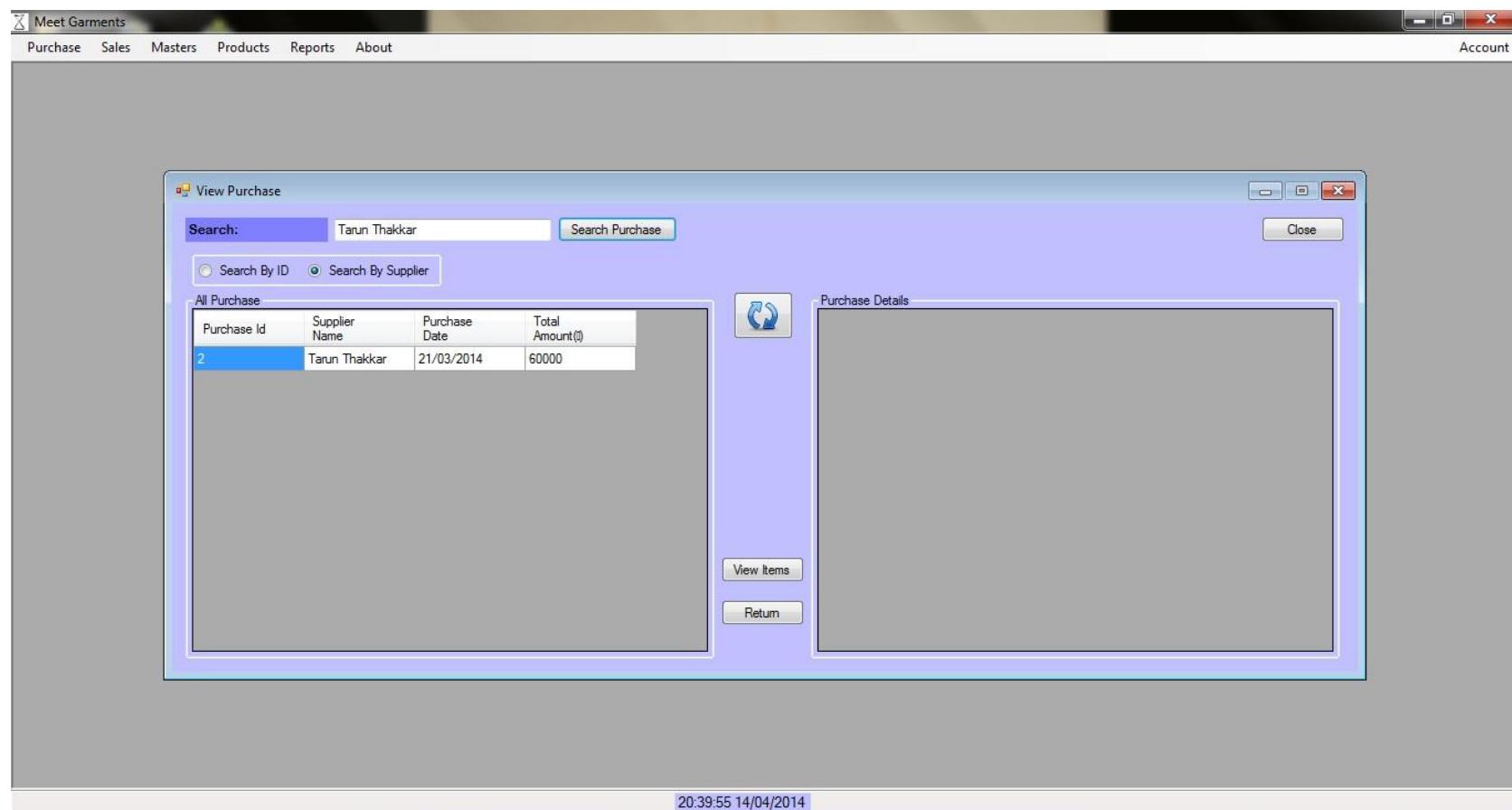
# Add Purchase Details



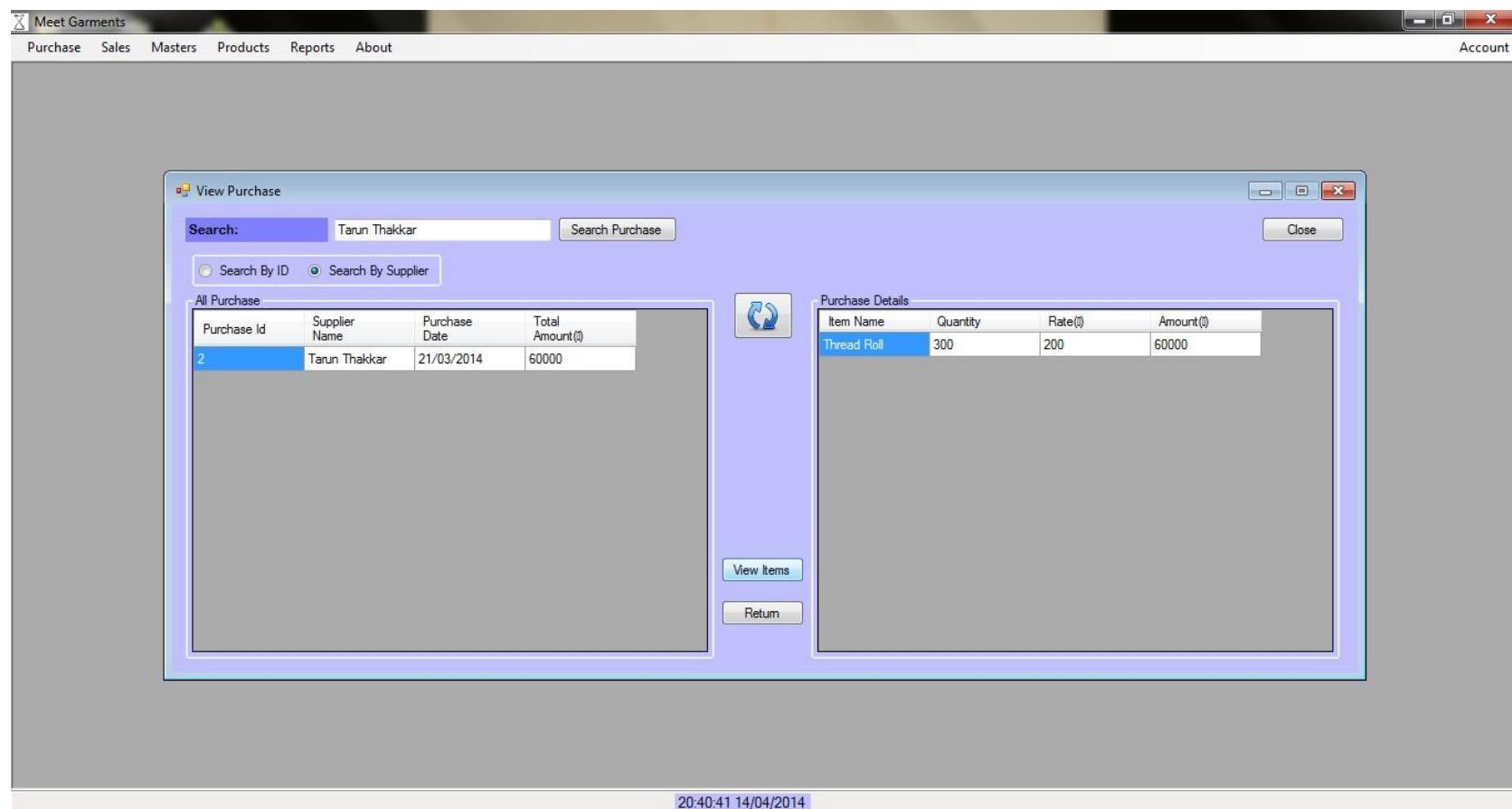
# Add Purchase Details



# Search By Supplier



# View Item



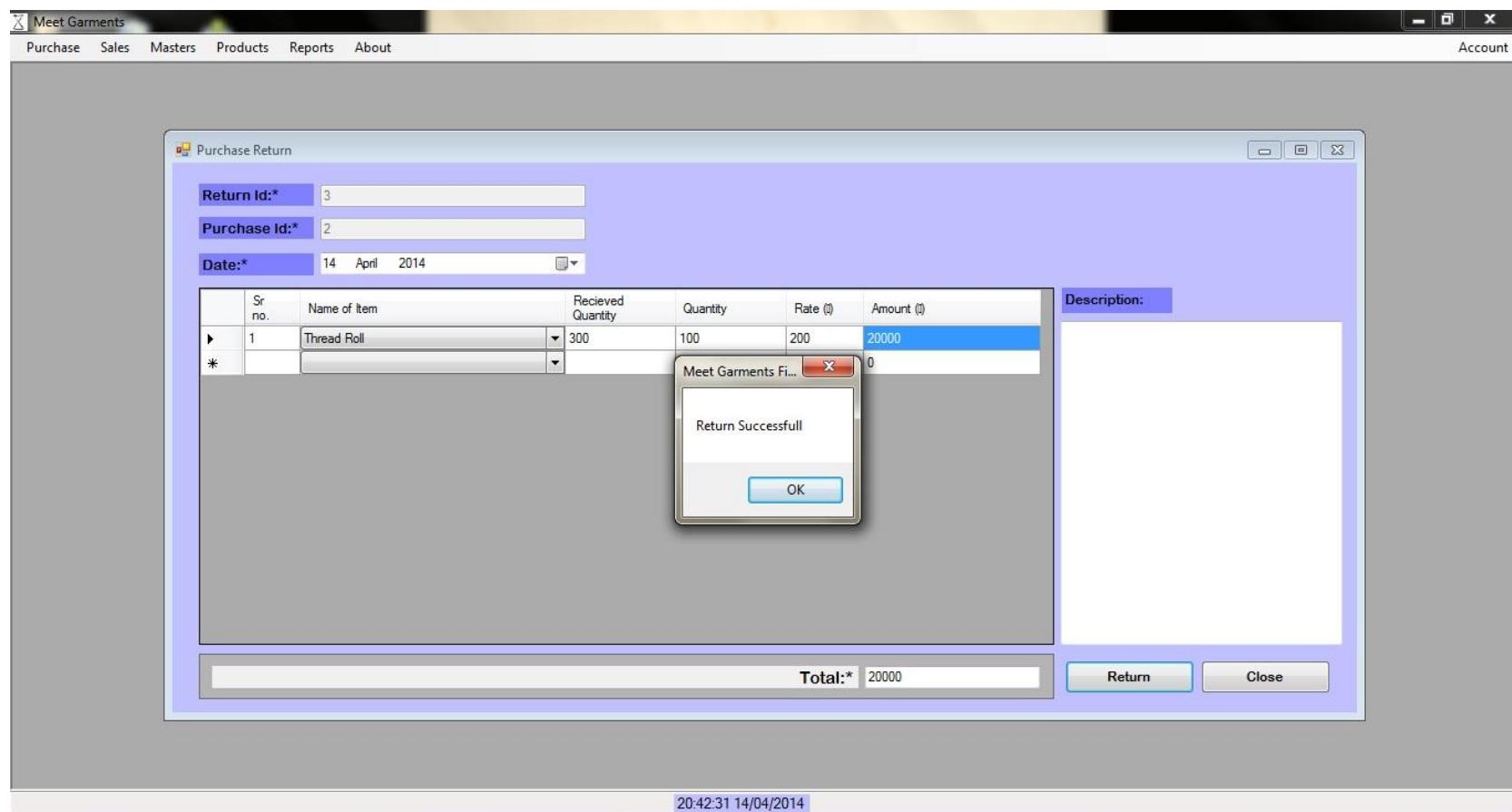
# Purchase Return

The screenshot shows a Windows application window titled "Purchase Return". The window has a blue header bar with the title and standard window controls. Below the header is a menu bar with "Meet Garments" as the main title and "Purchase", "Sales", "Masters", "Products", "Reports", and "About" as menu items. On the right side of the menu bar, there is a "Account" button. The main content area contains the following elements:

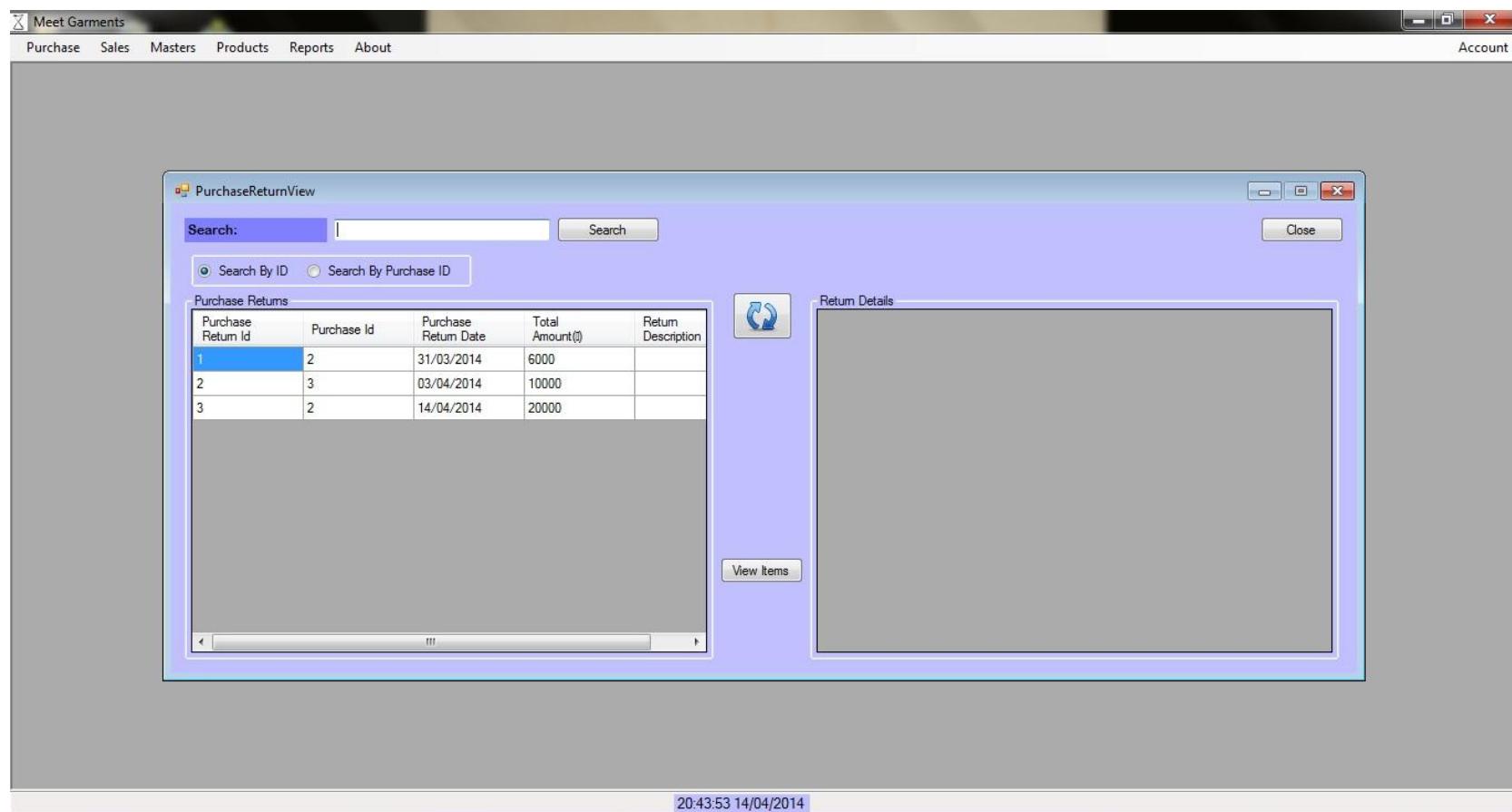
- Text Input Fields:** "Return Id:\* (containing value 3), "Purchase Id:\* (containing value 2), and "Date:\* (containing value 15 April 2014).
- Table:** A grid for entering item details. It has columns for "Sr no.", "Name of Item", "Received Quantity", "Quantity", "Rate ()", and "Amount ()". The first row has an asterisk (\*) next to the "Sr no." column.
- Text Area:** A large empty area labeled "Description:".
- Buttons:** "Total:\* (disabled, greyed out), "Return", and "Close".

At the bottom of the window, there is a timestamp: 12:10:31 15-04-2014.

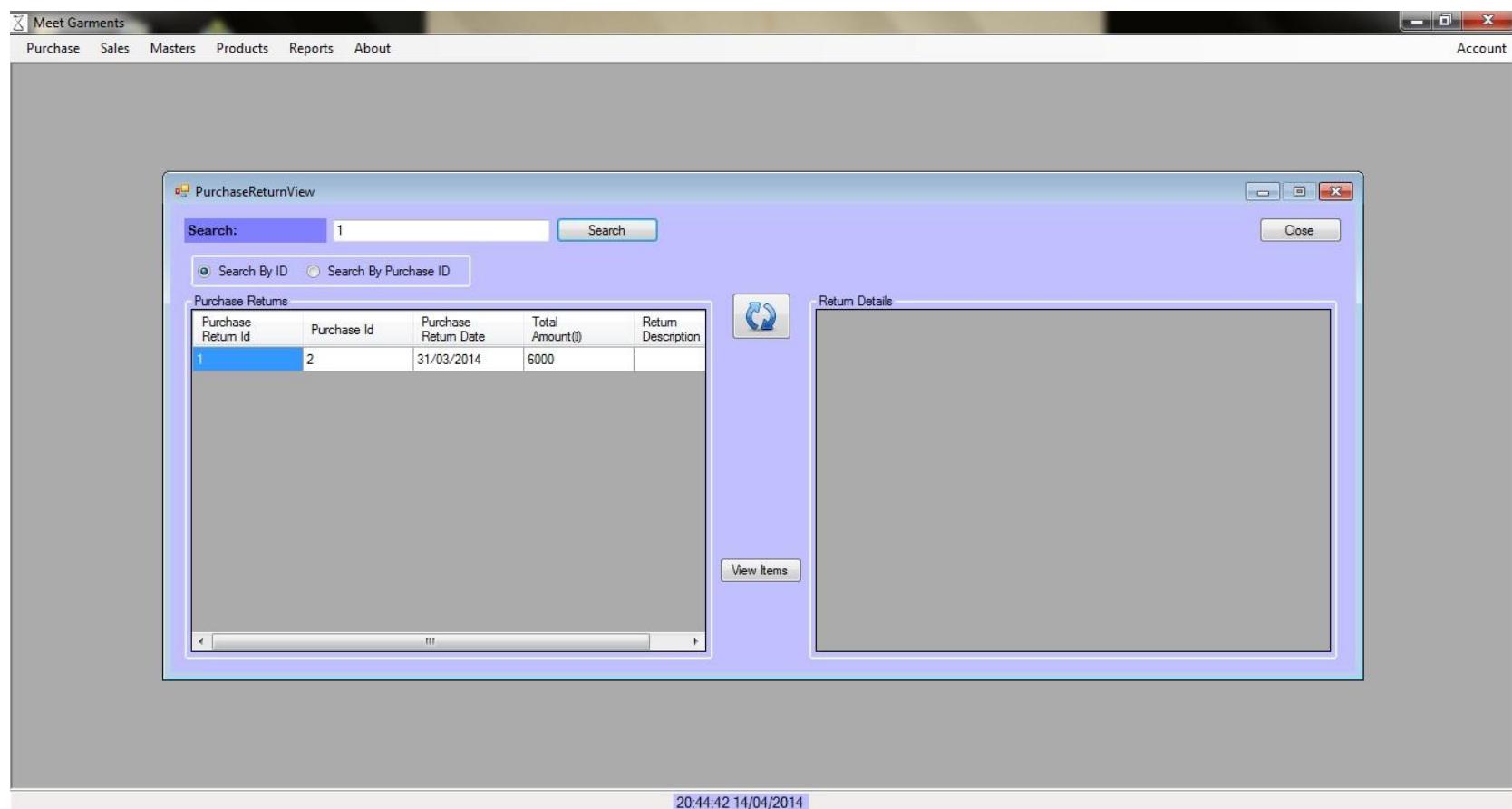
# Purchase Return



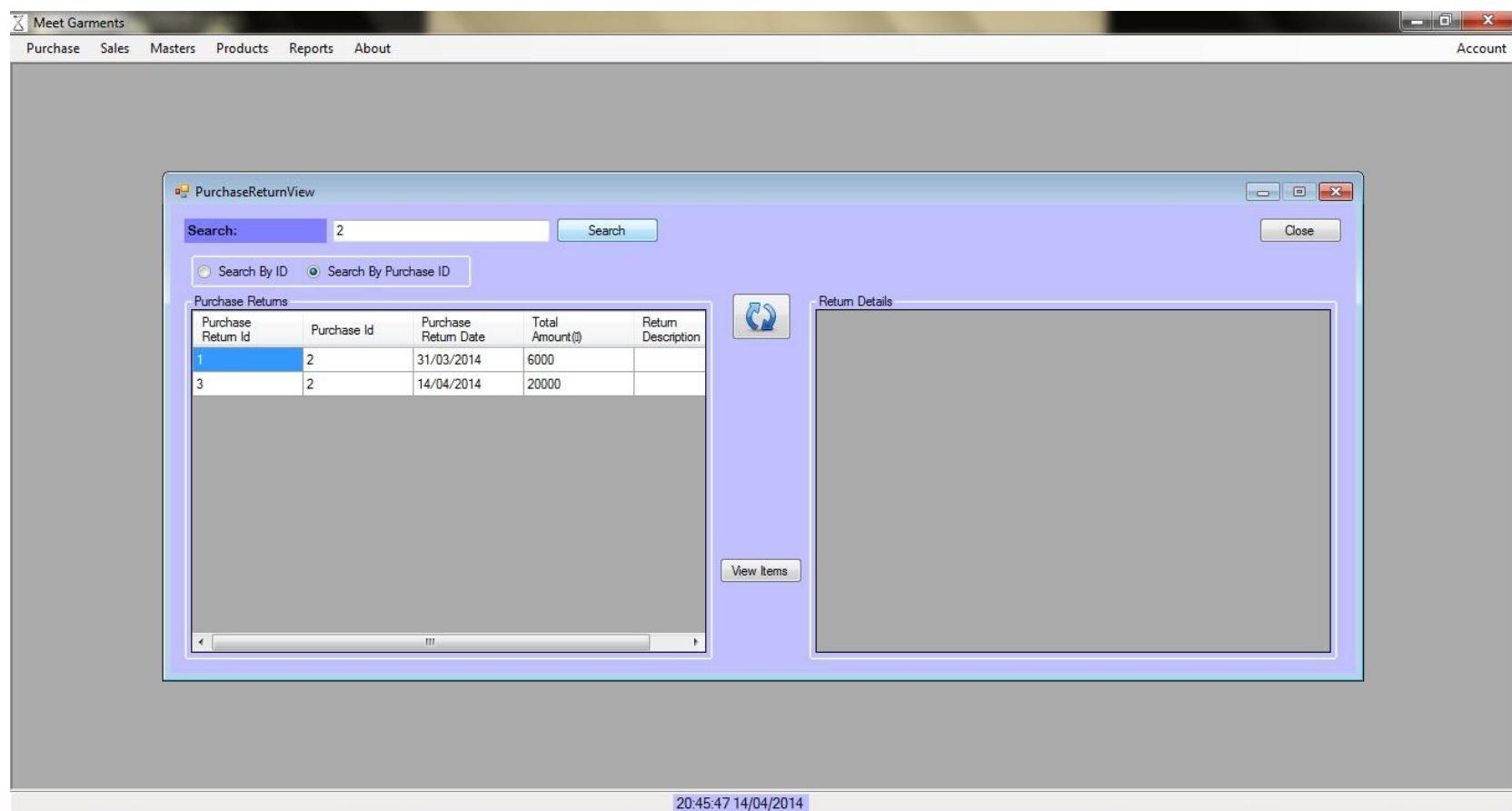
# Purchase Return View



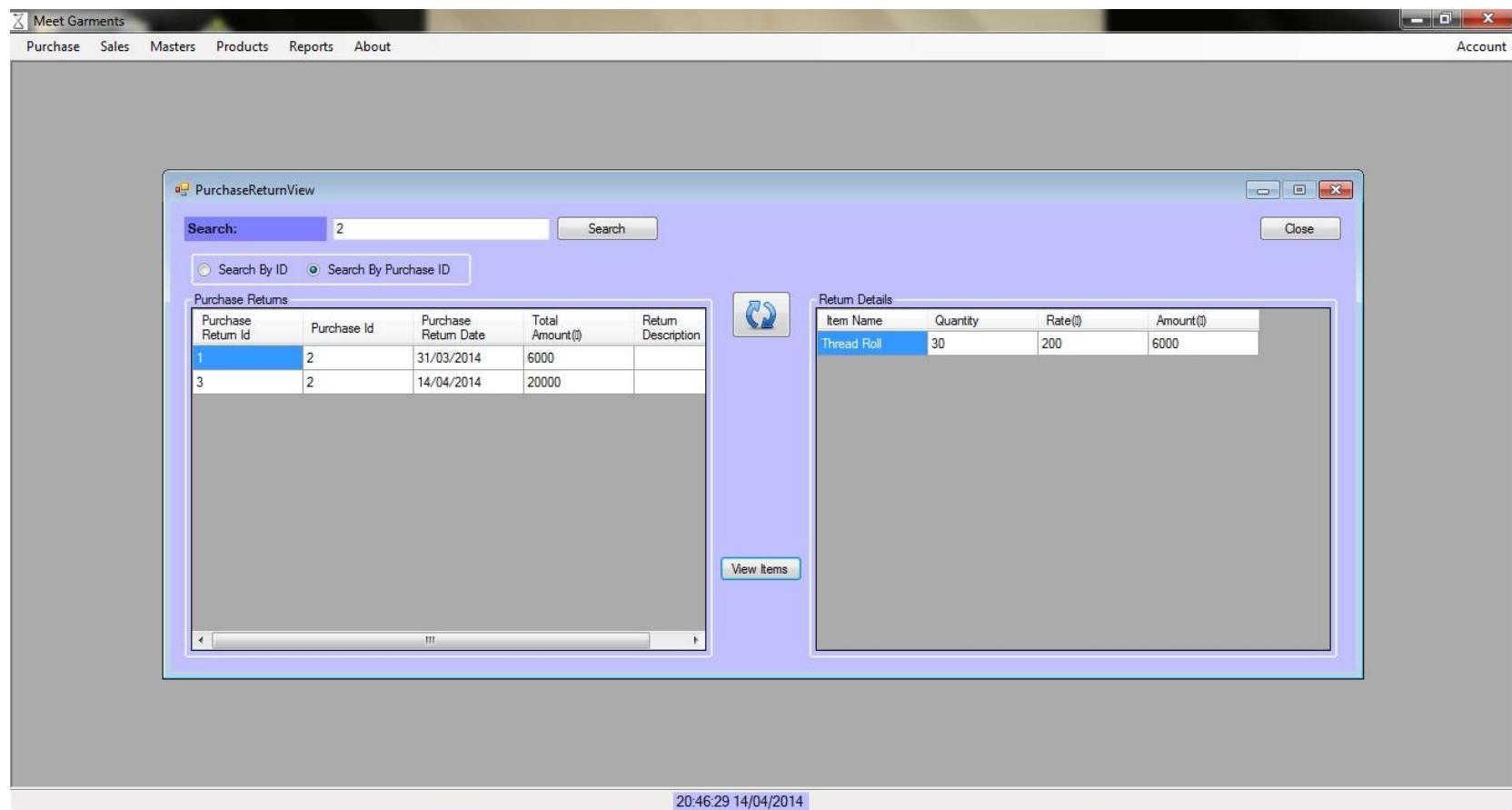
# Search By Id



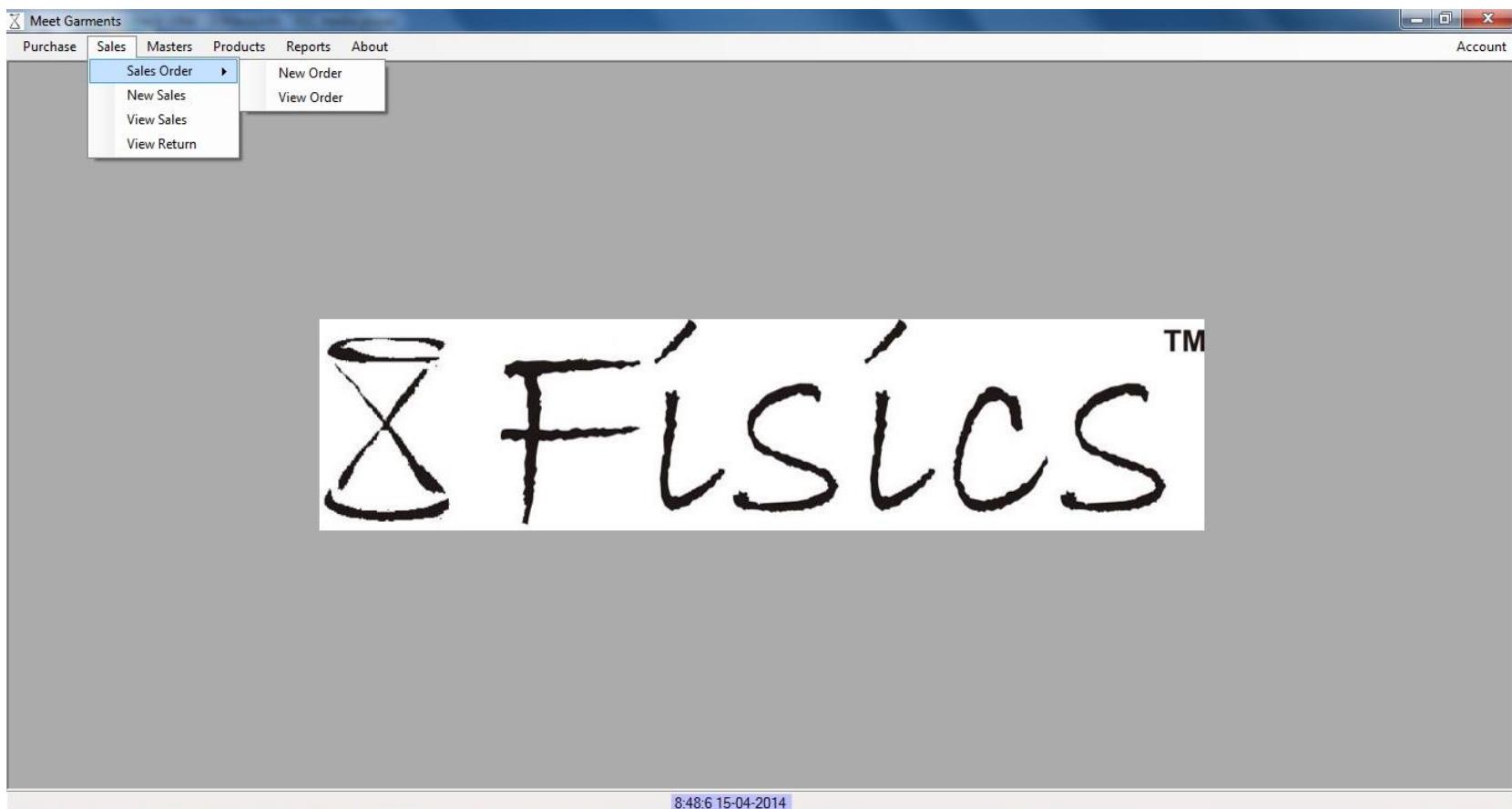
# Search By Purchase Id



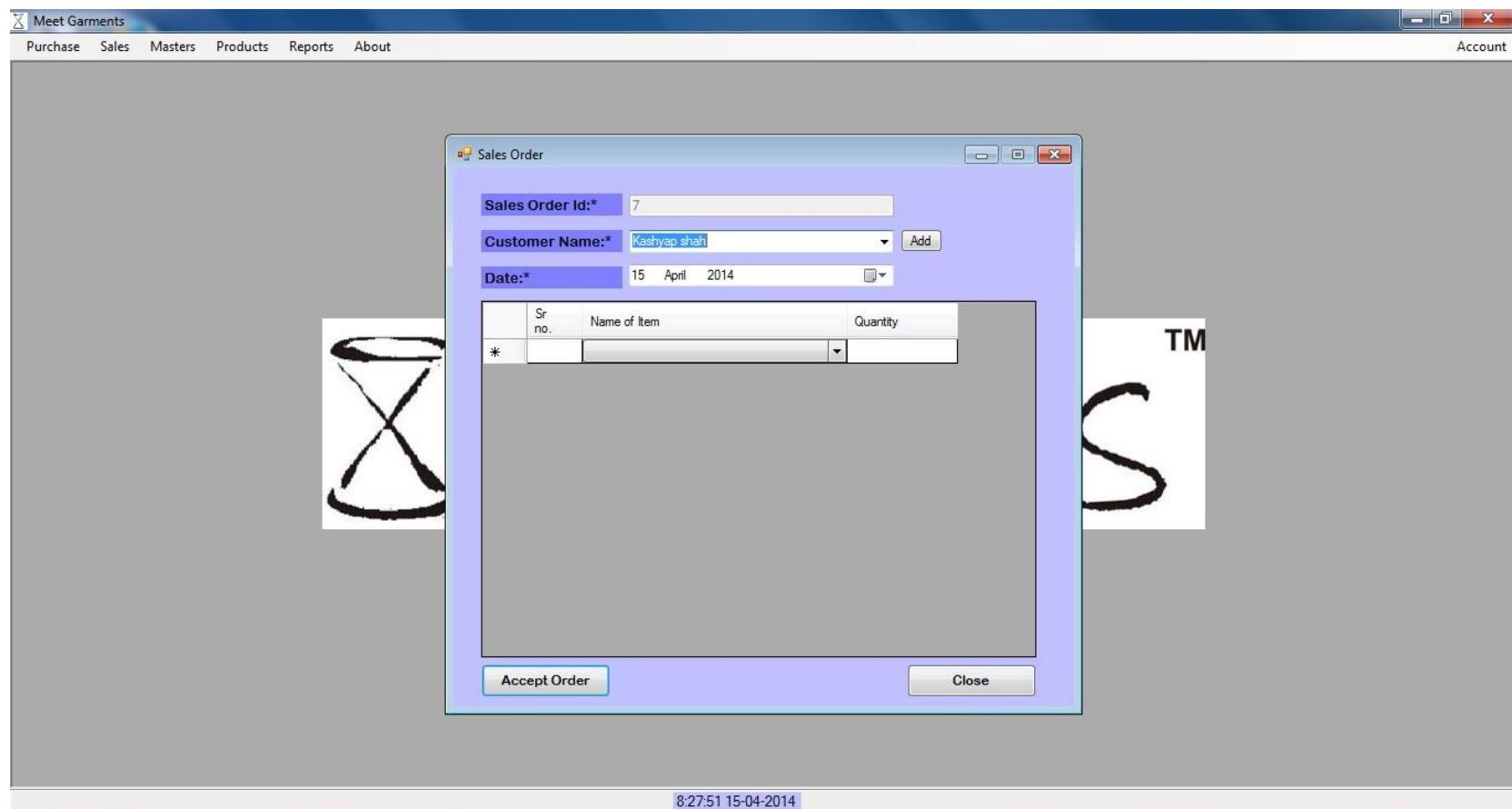
# View Return Item



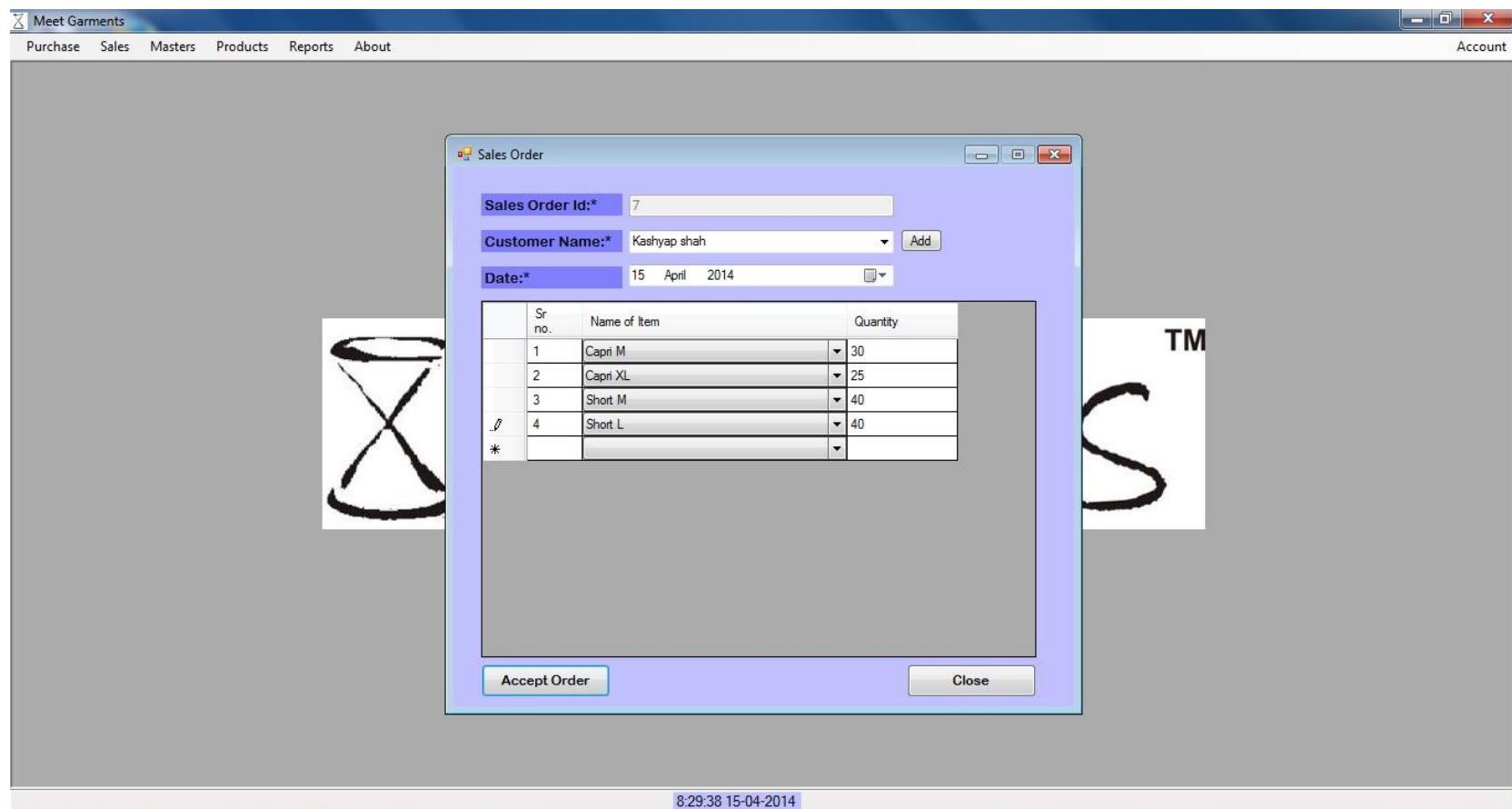
# Take Sales Order



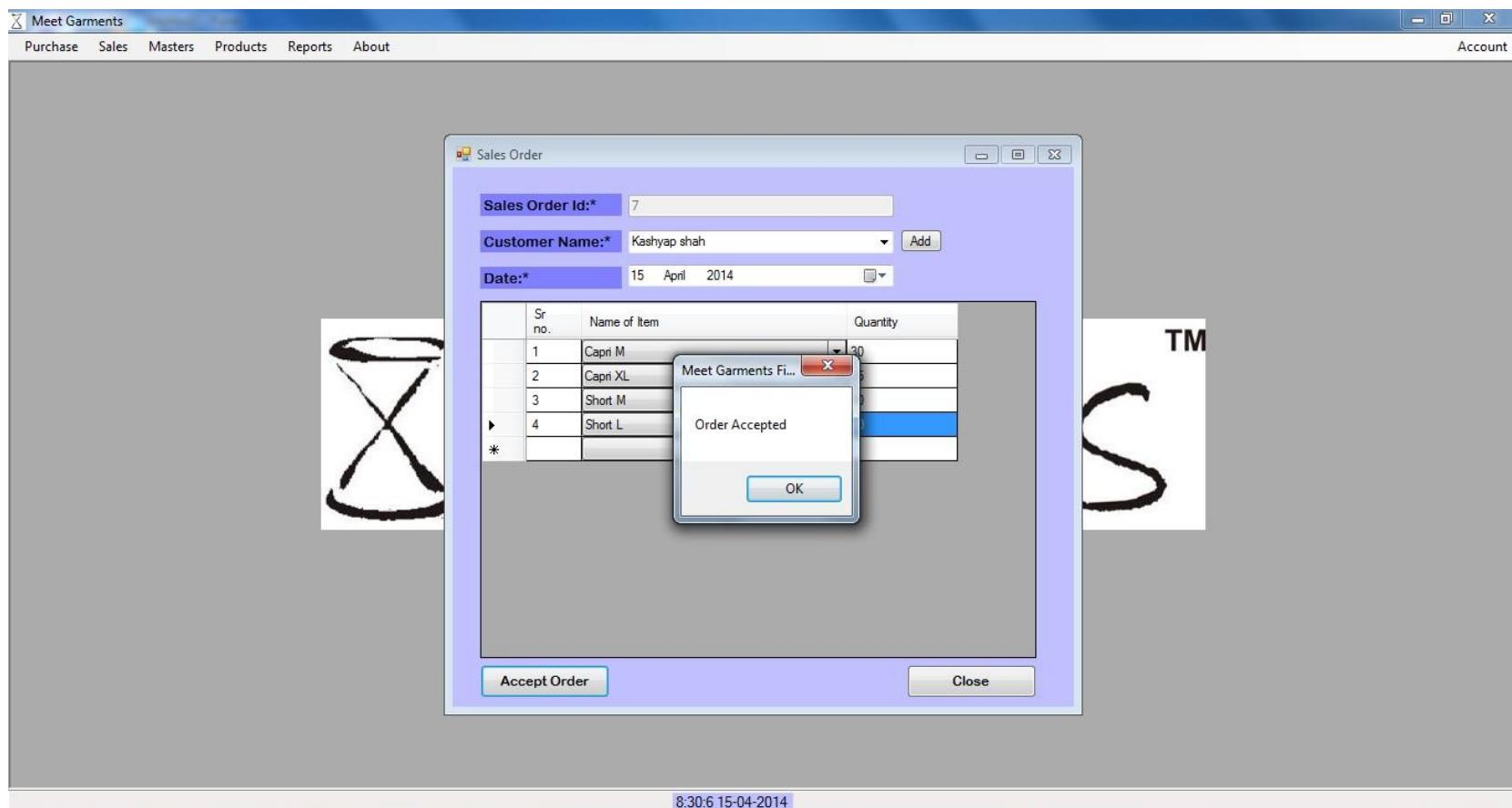
# Add Sales Order



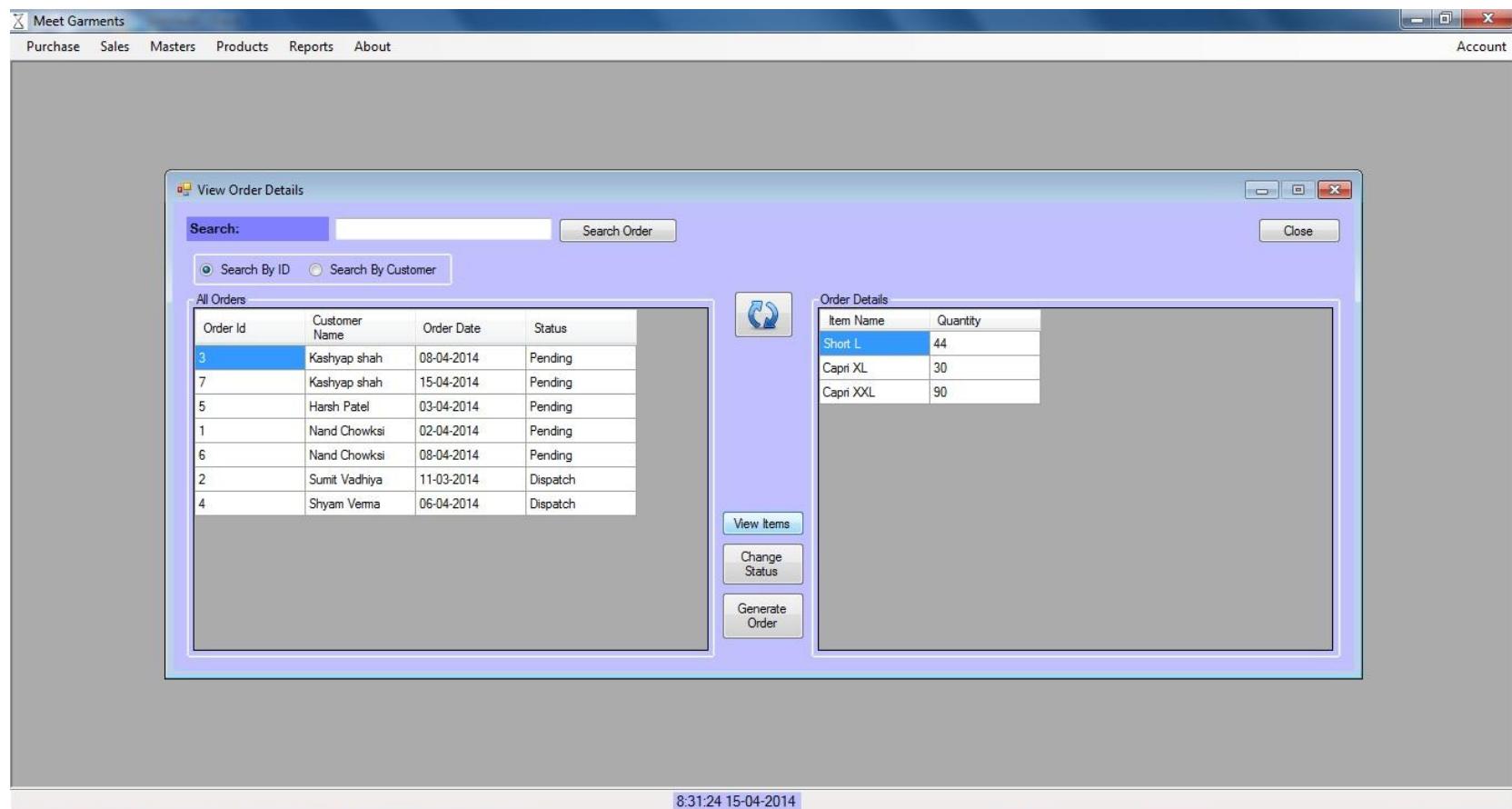
# Add Sales Order



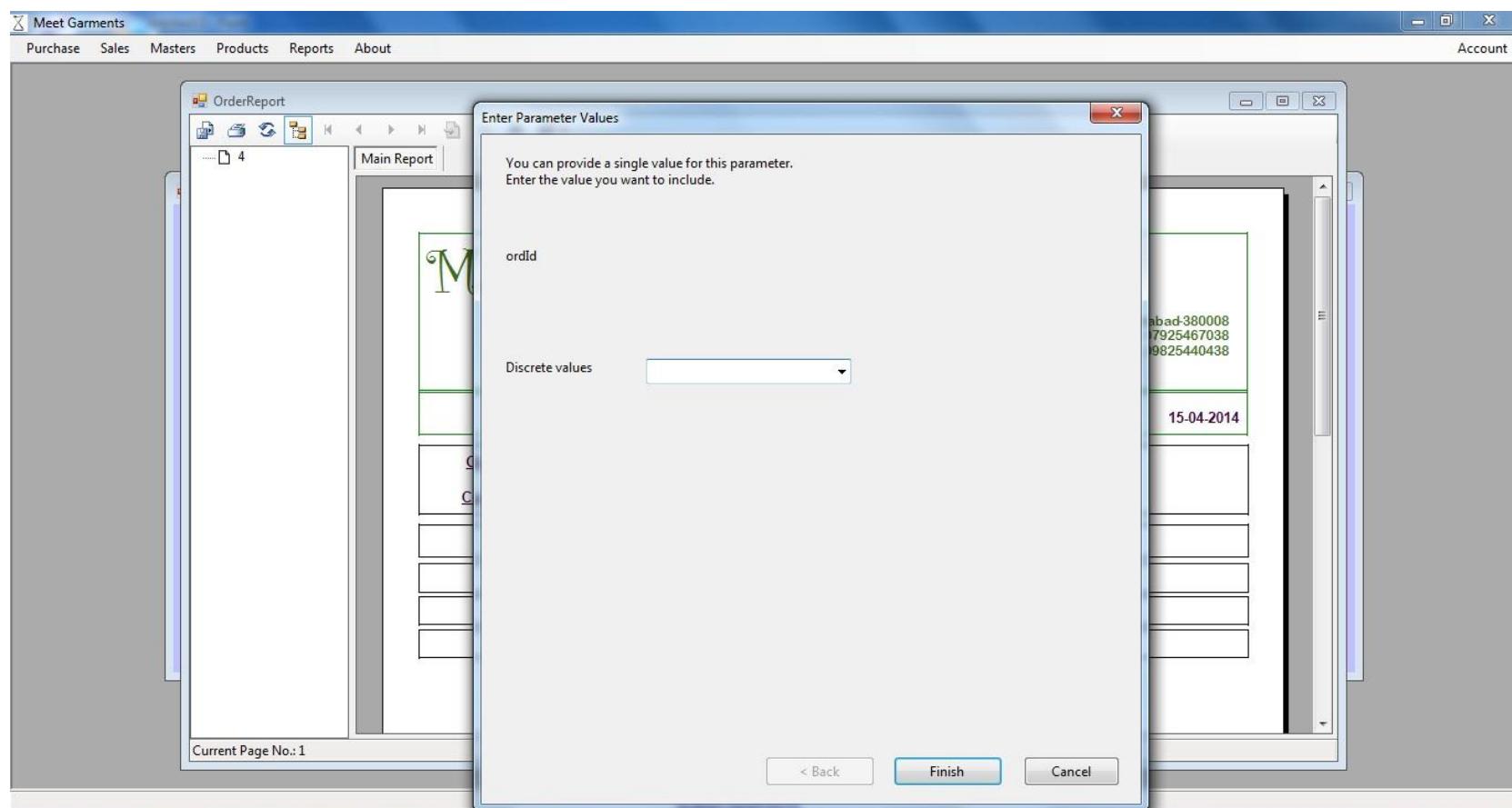
# Add Sales Order



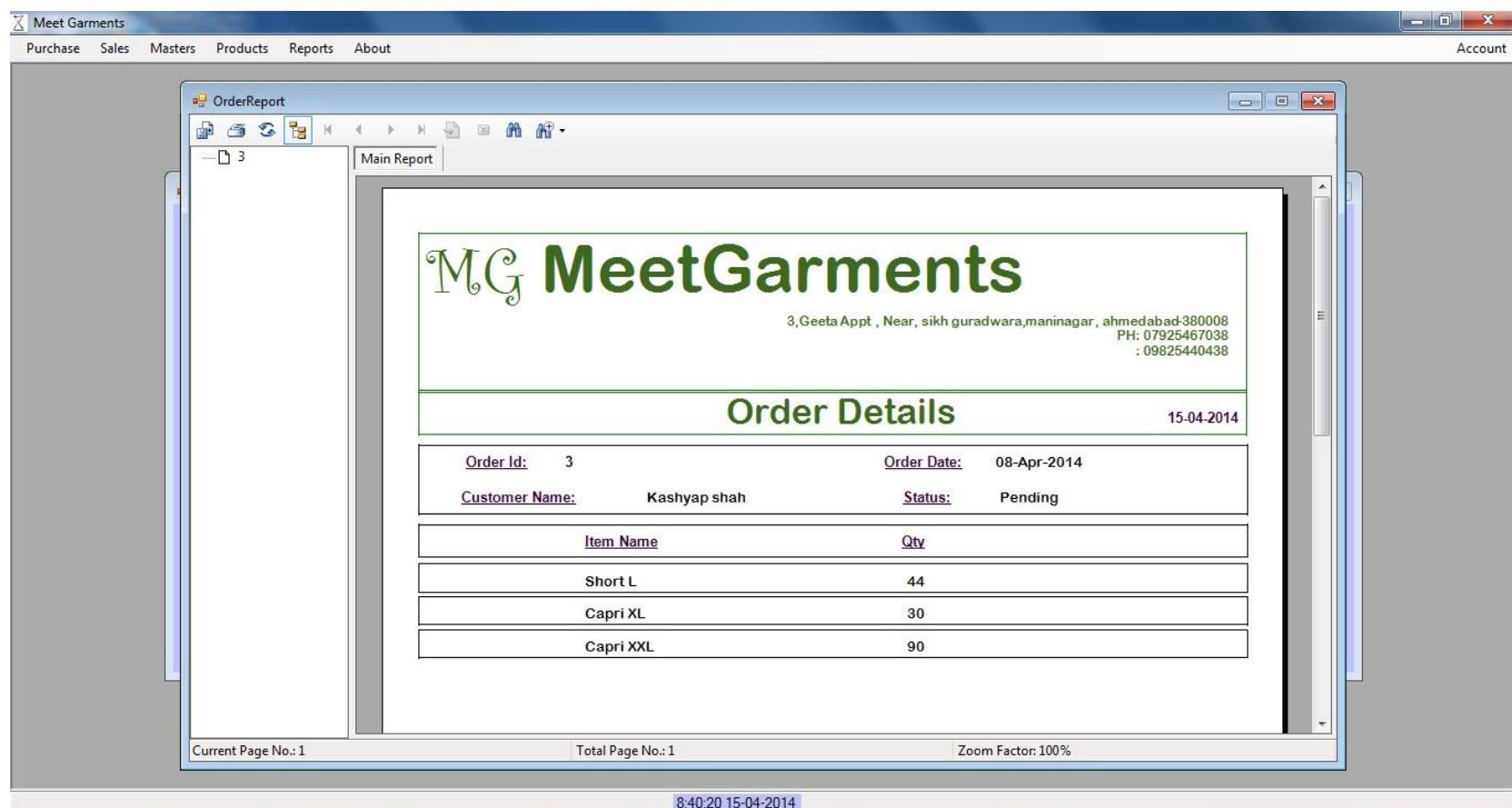
# View Sales Order



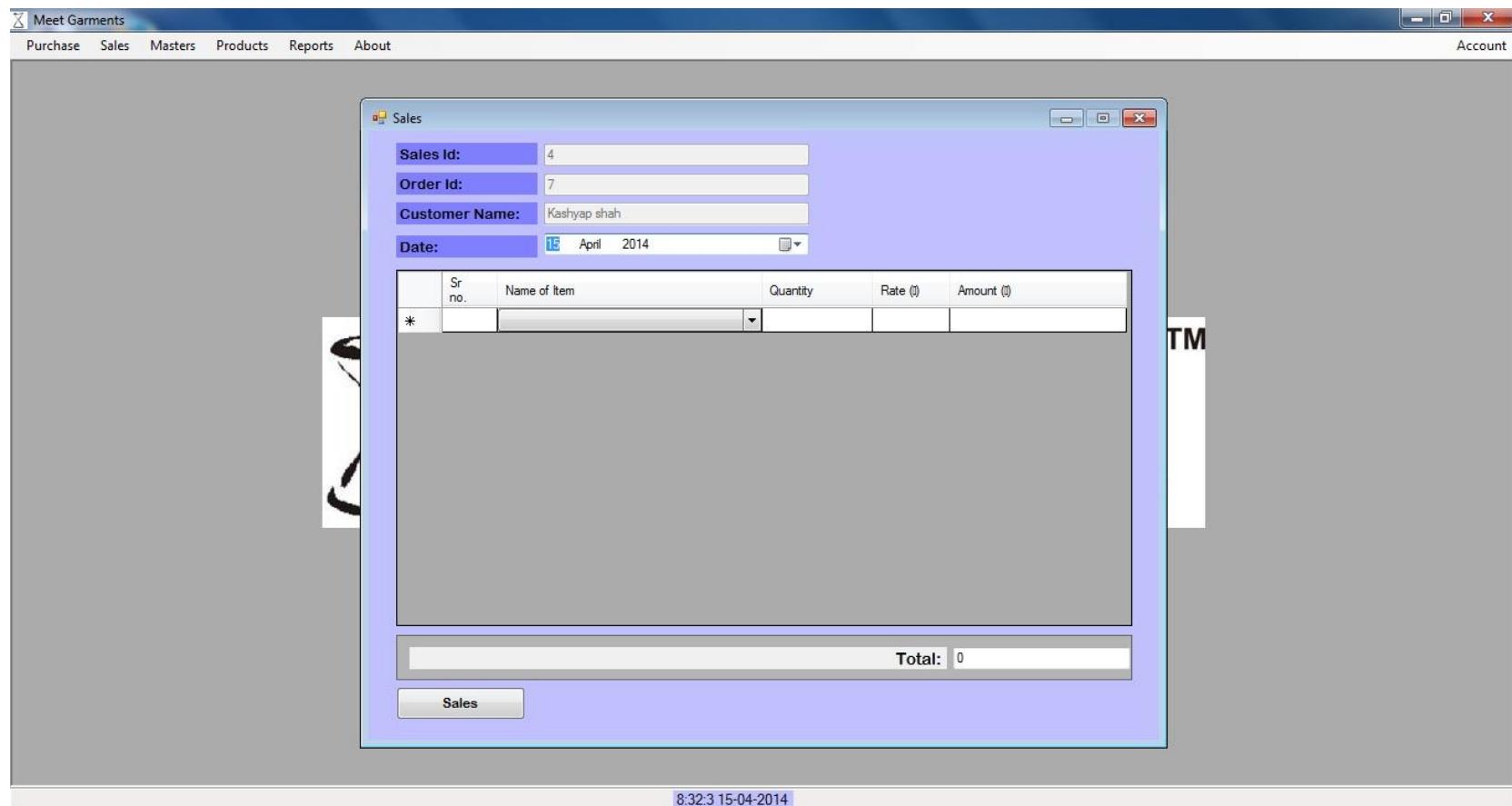
# Insert Order Id In Report



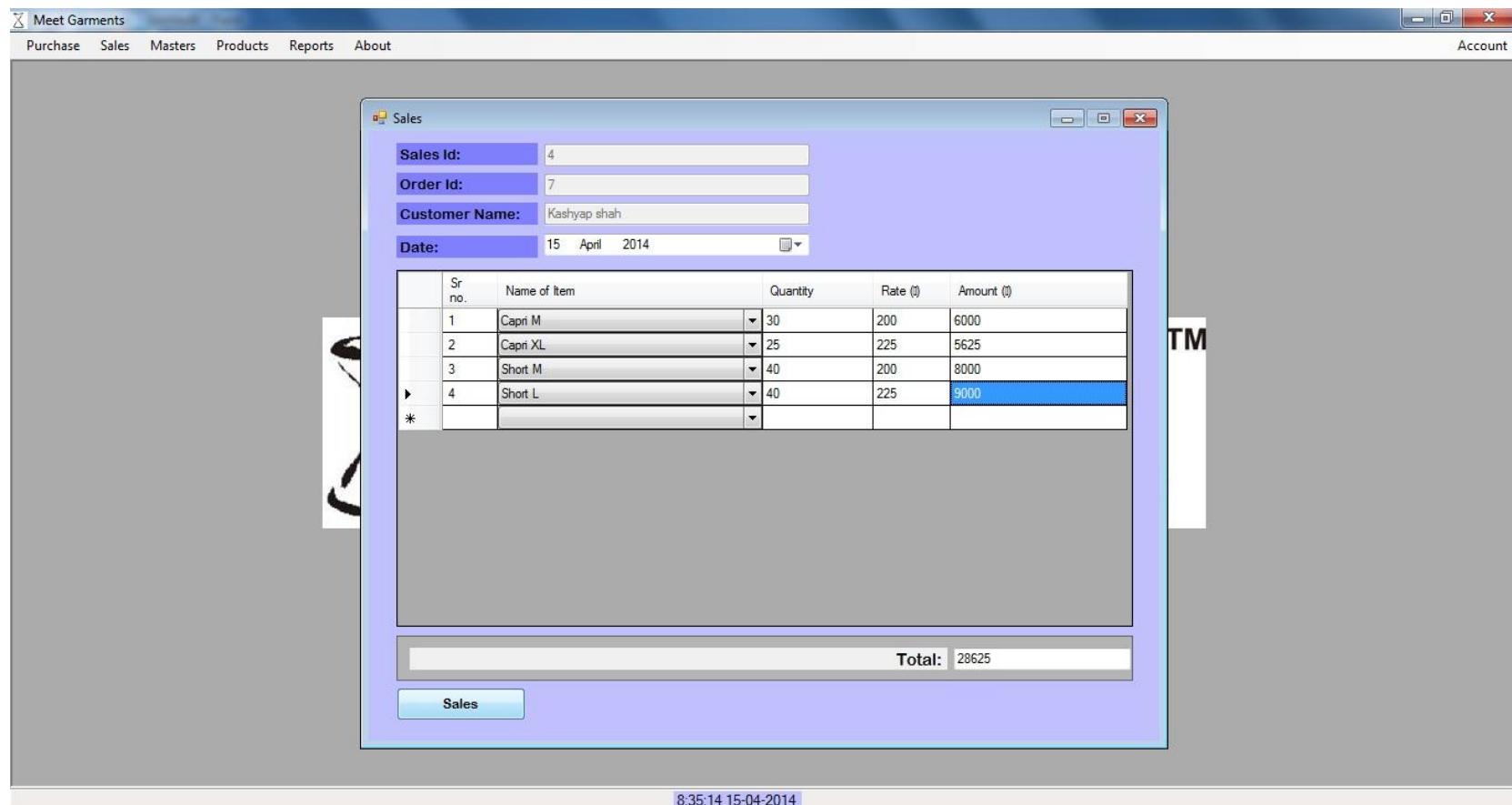
# Report Of Order



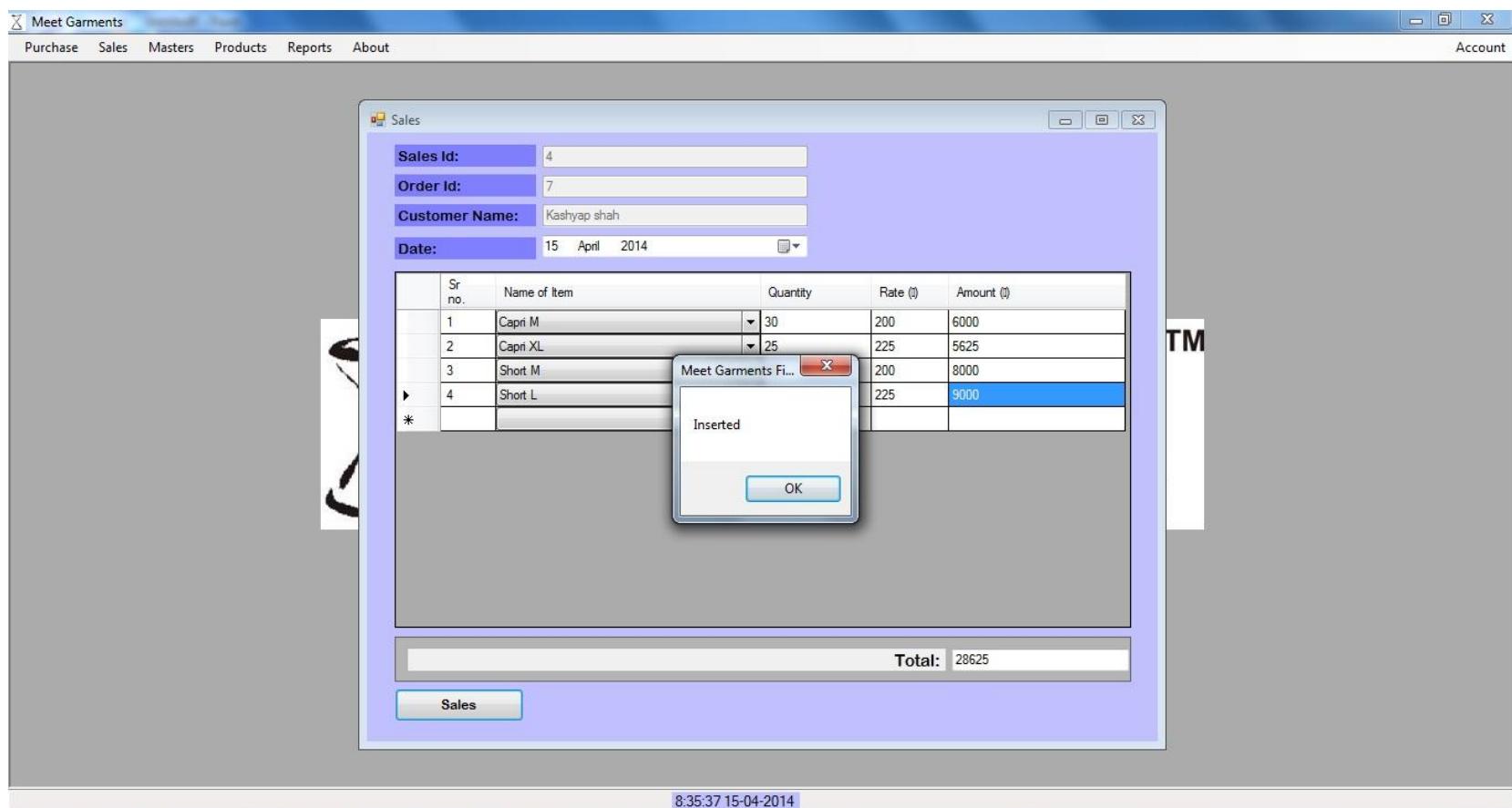
# Add Order To Sales



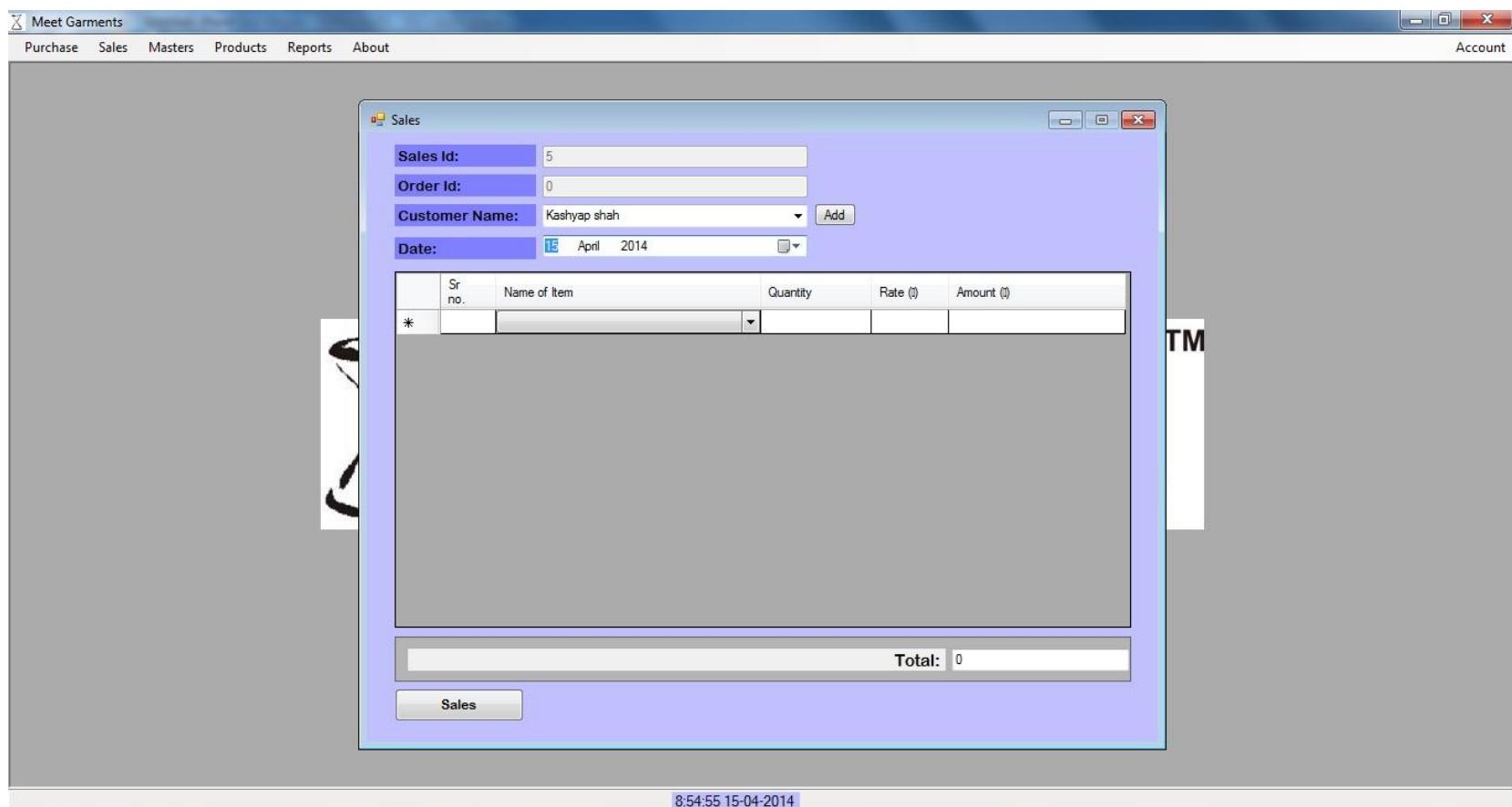
# Add Order To Sales



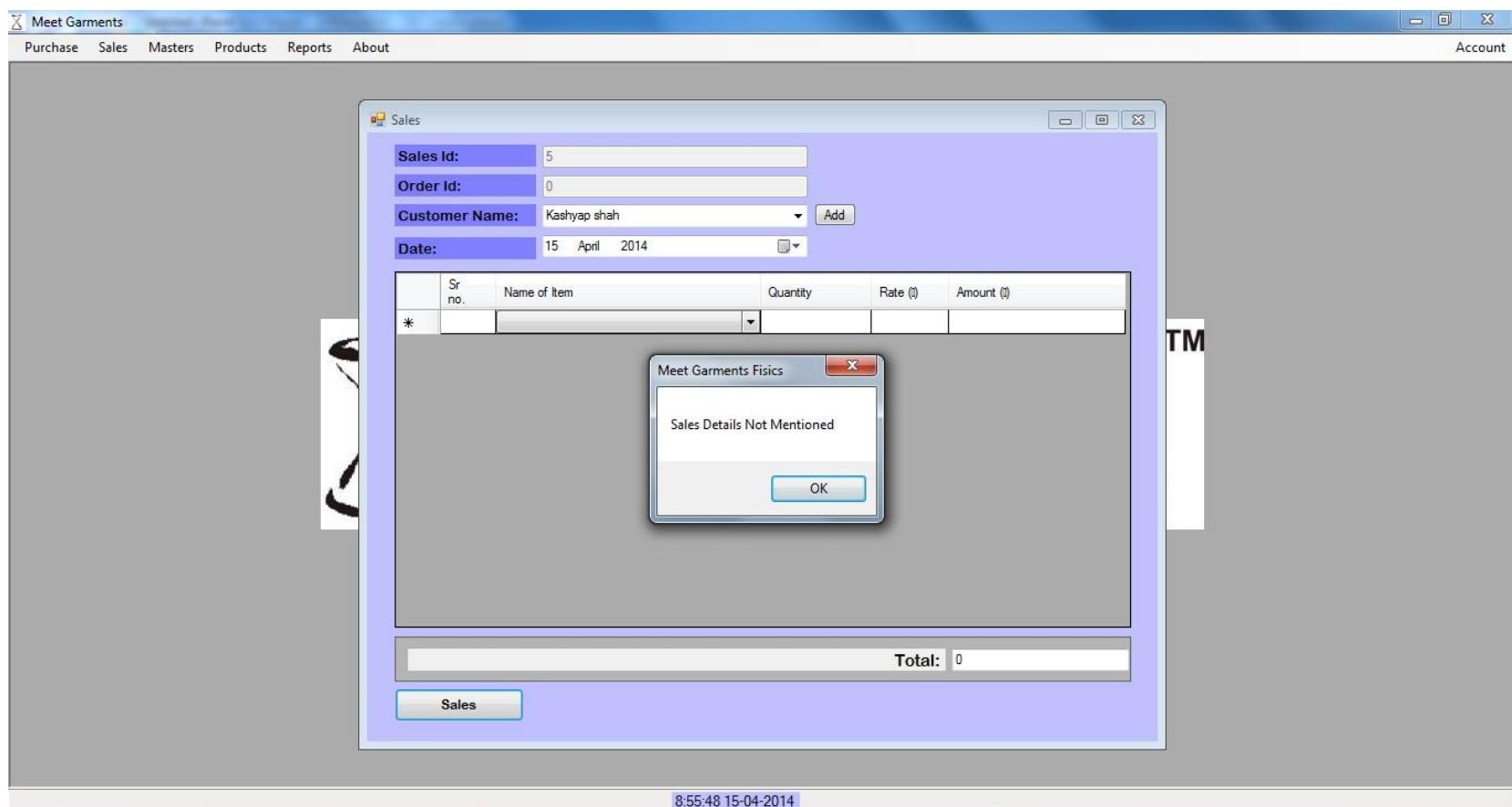
# Add Order To Sales



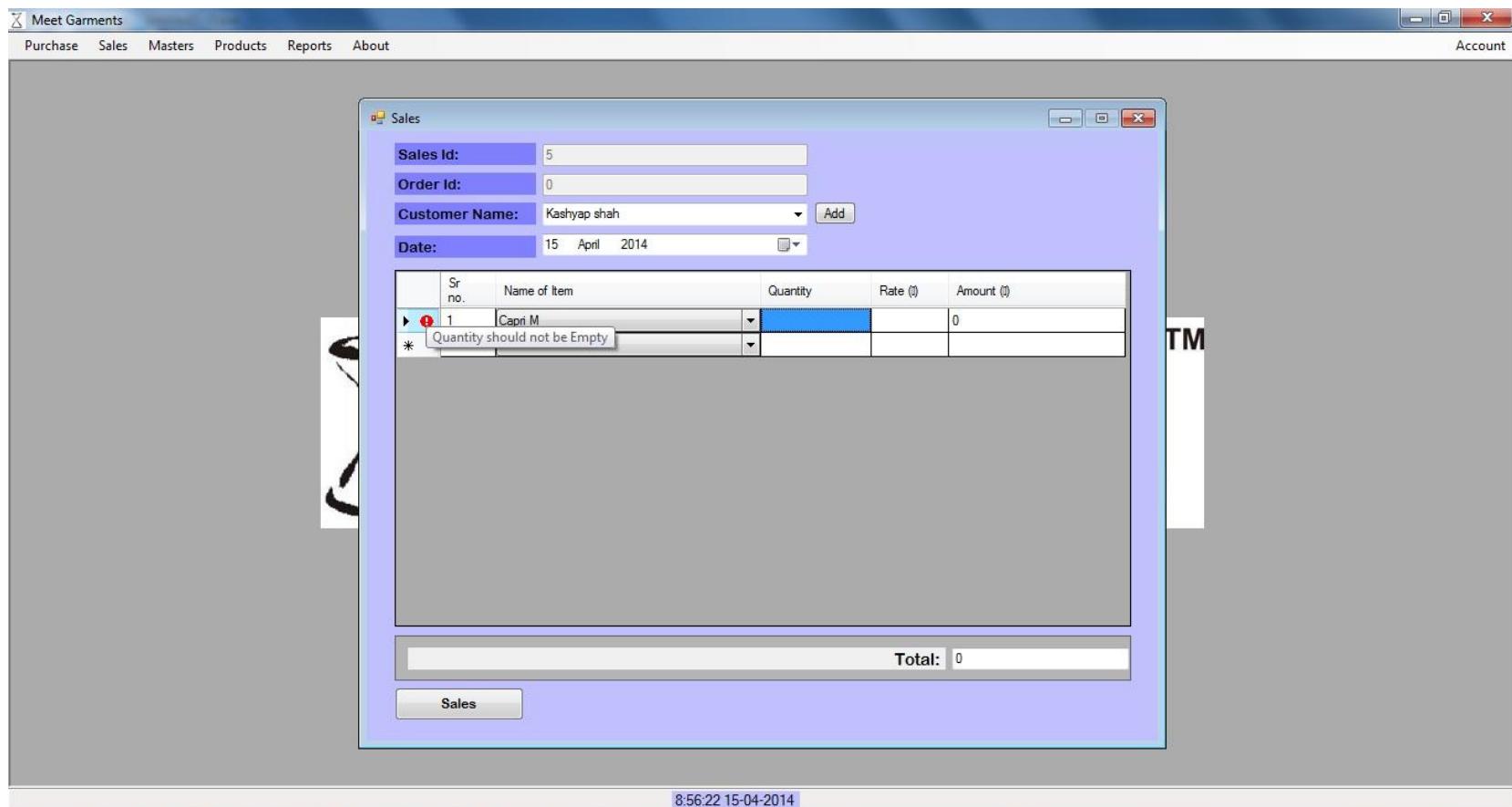
# Add Sales Details



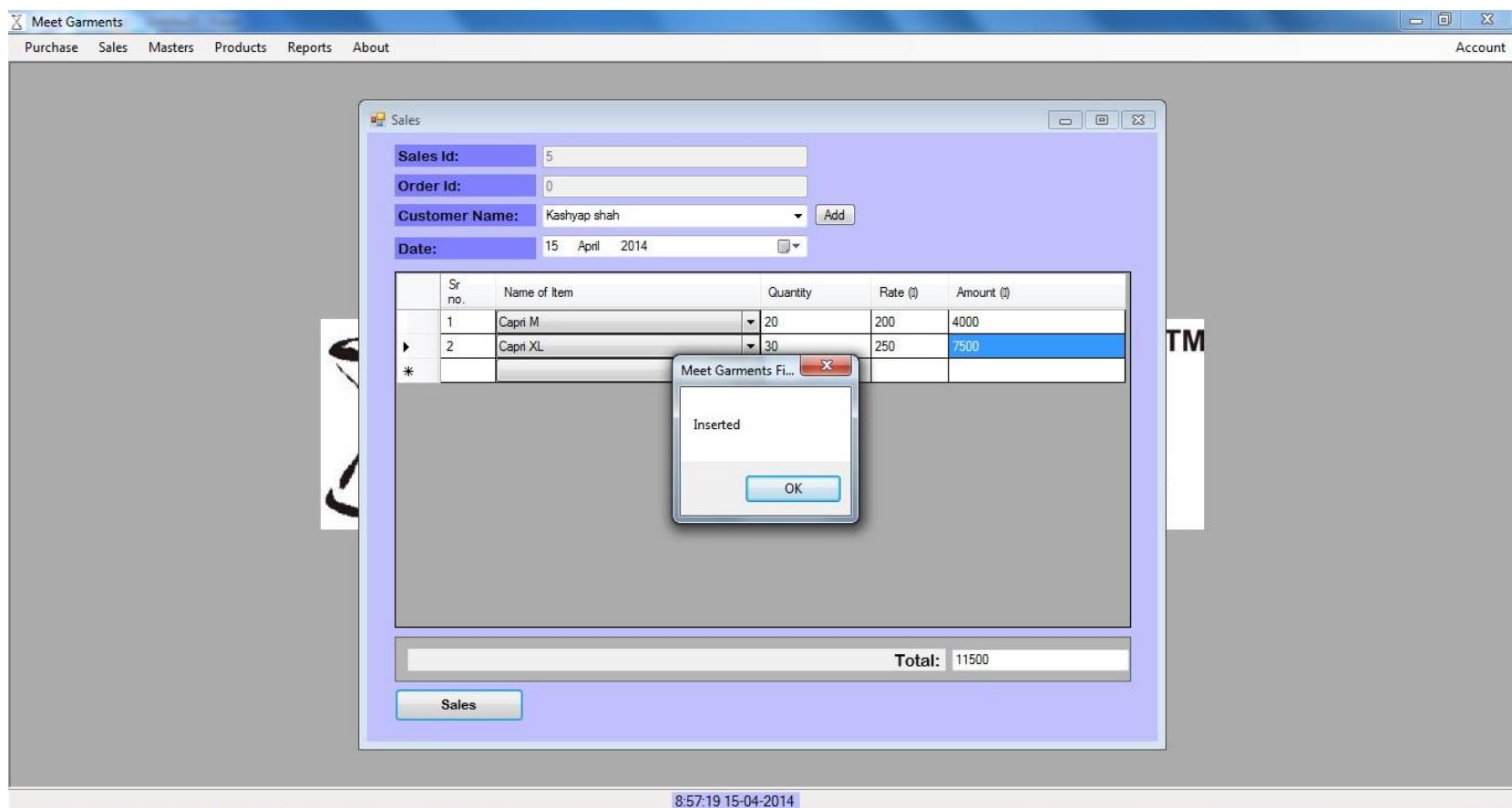
# Add Sales Details



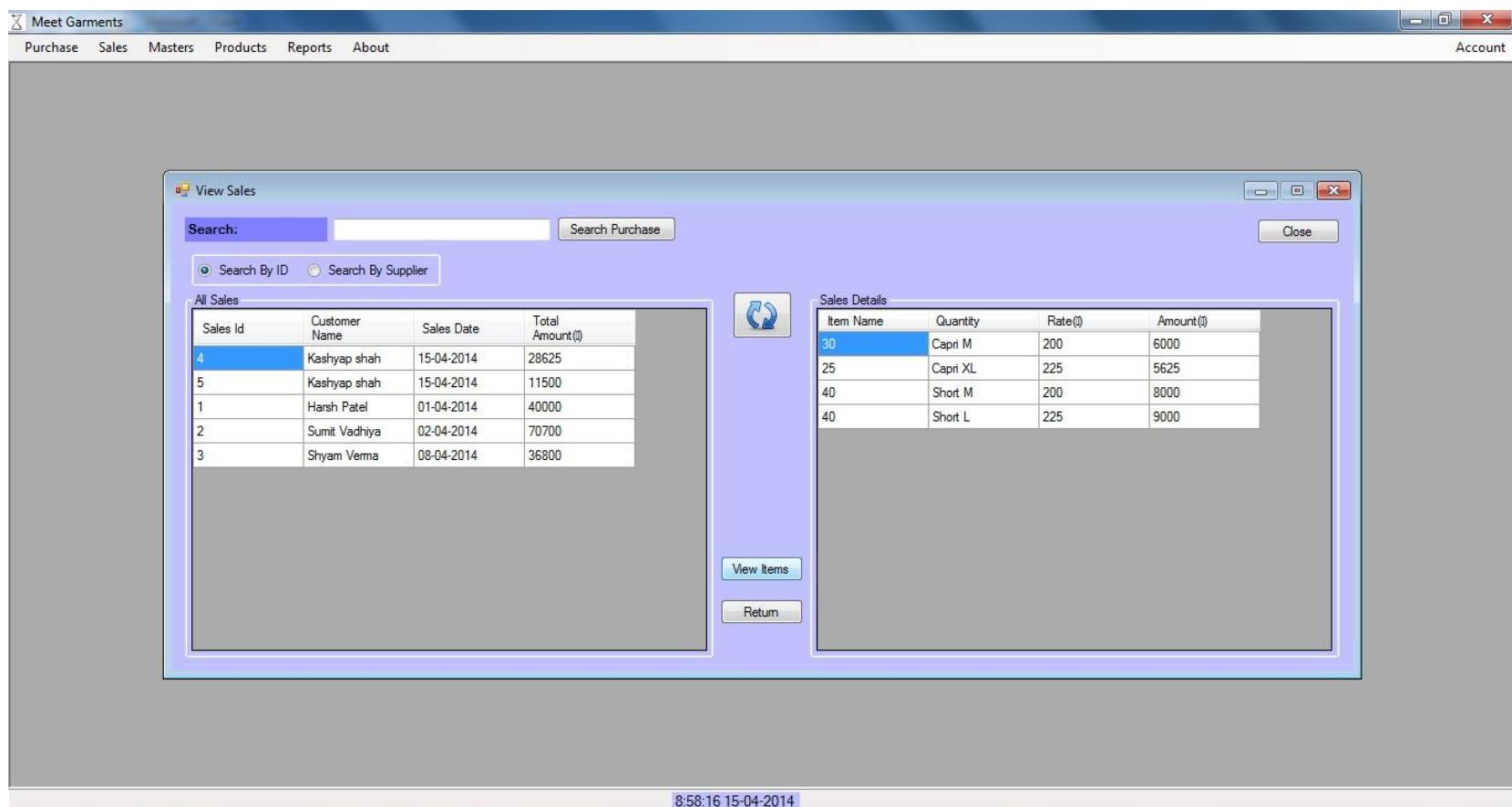
# Validation



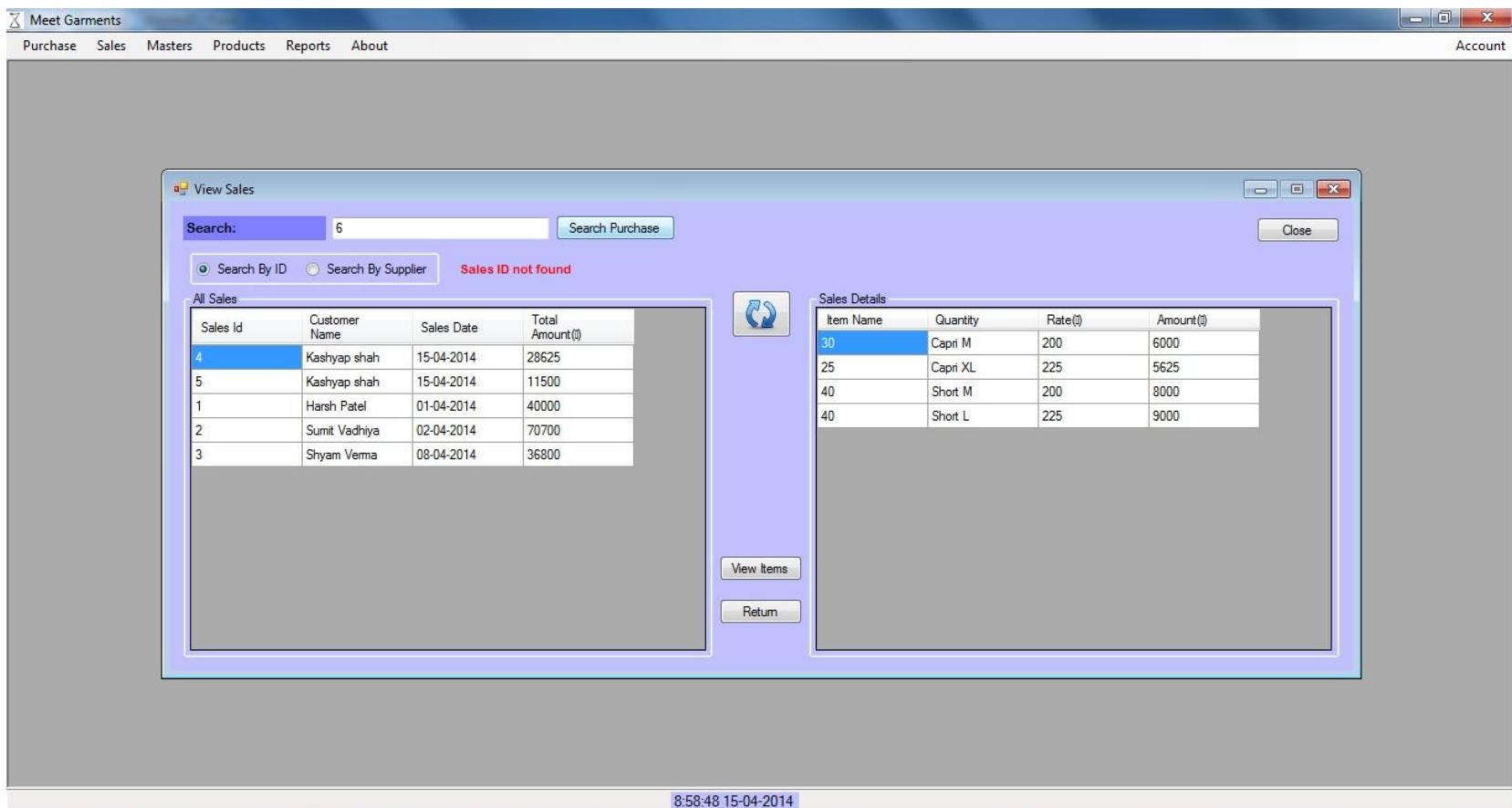
# Add Sales Details



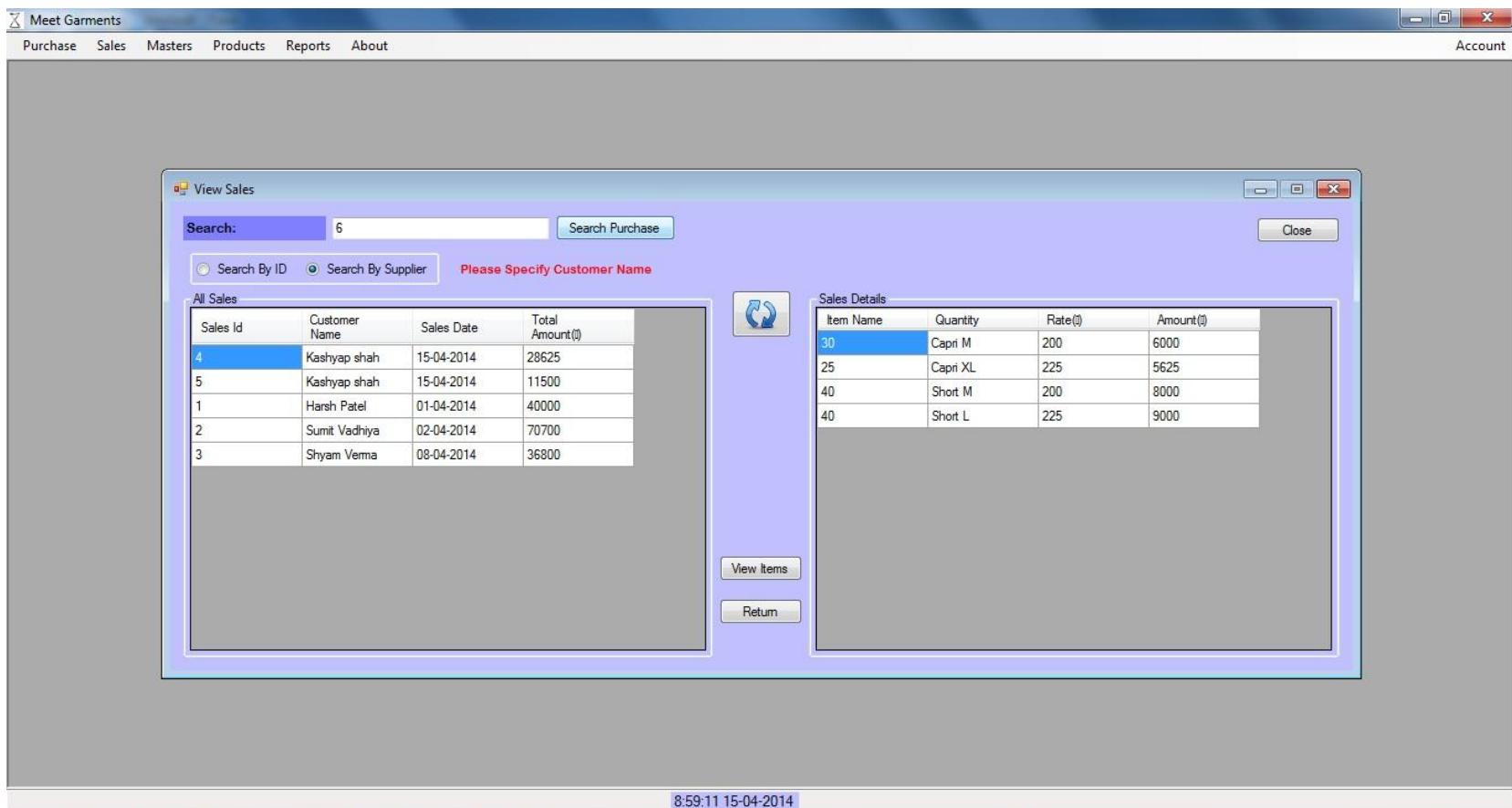
# View Sales



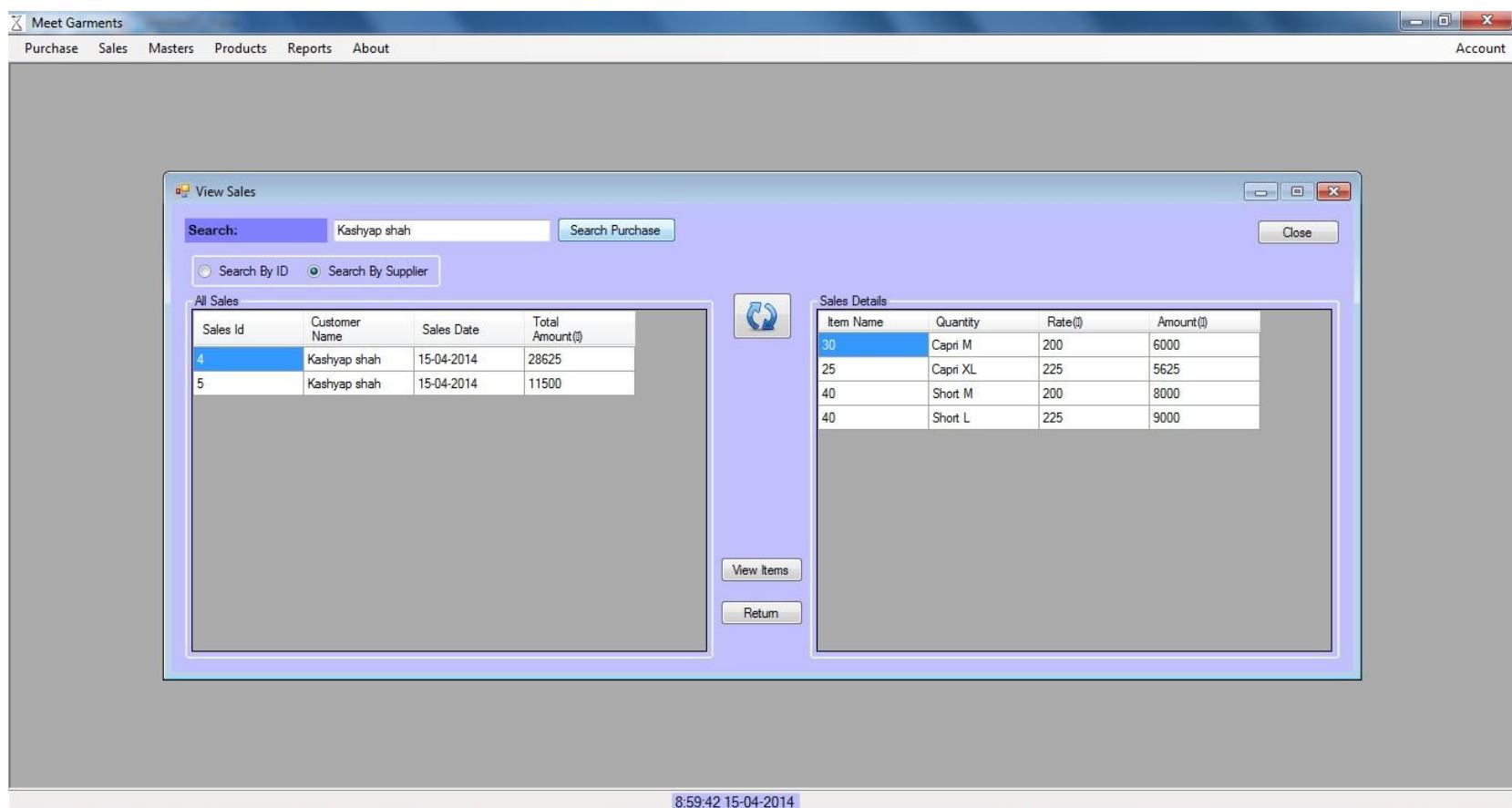
# Validation



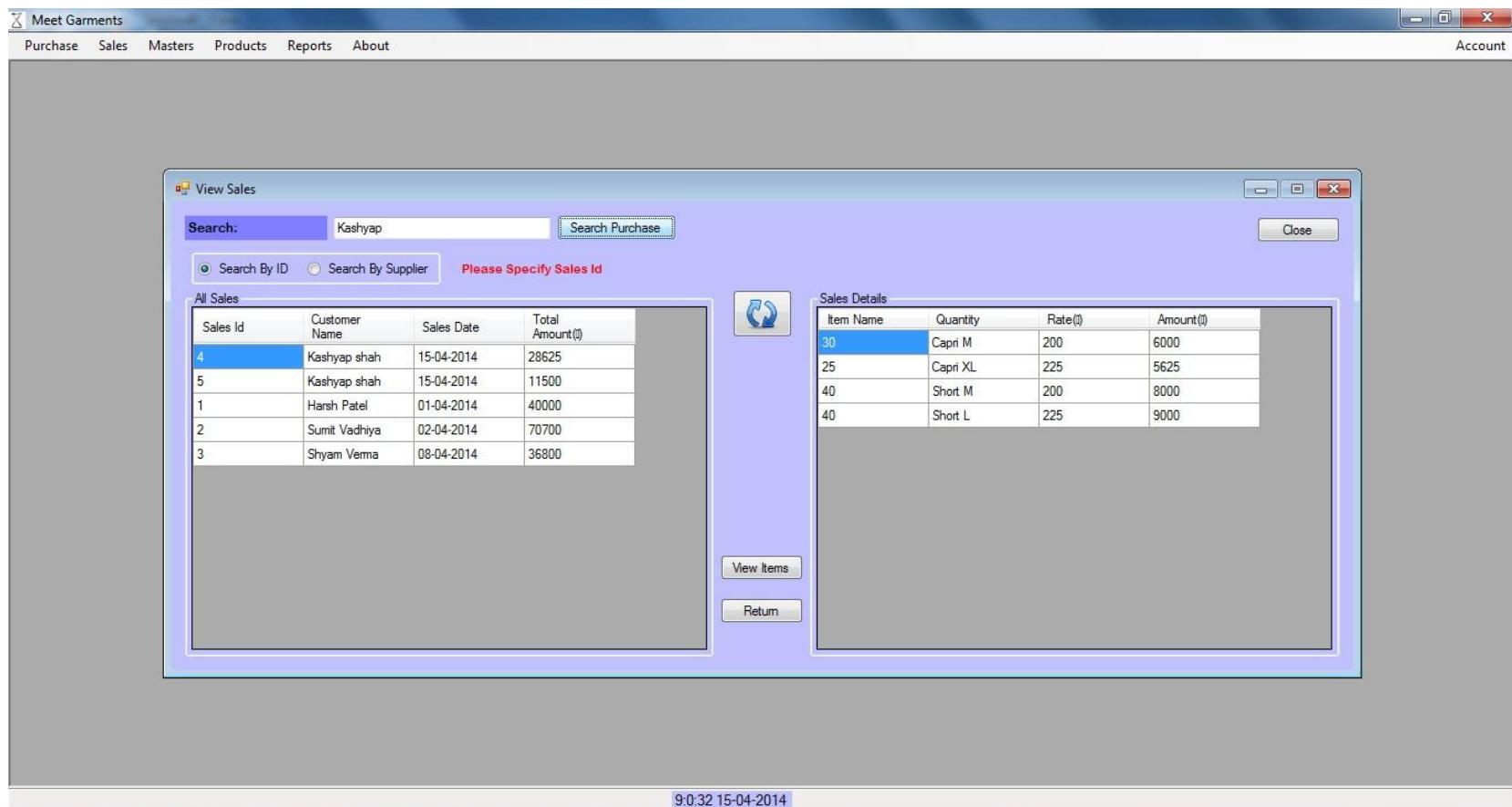
# Validation



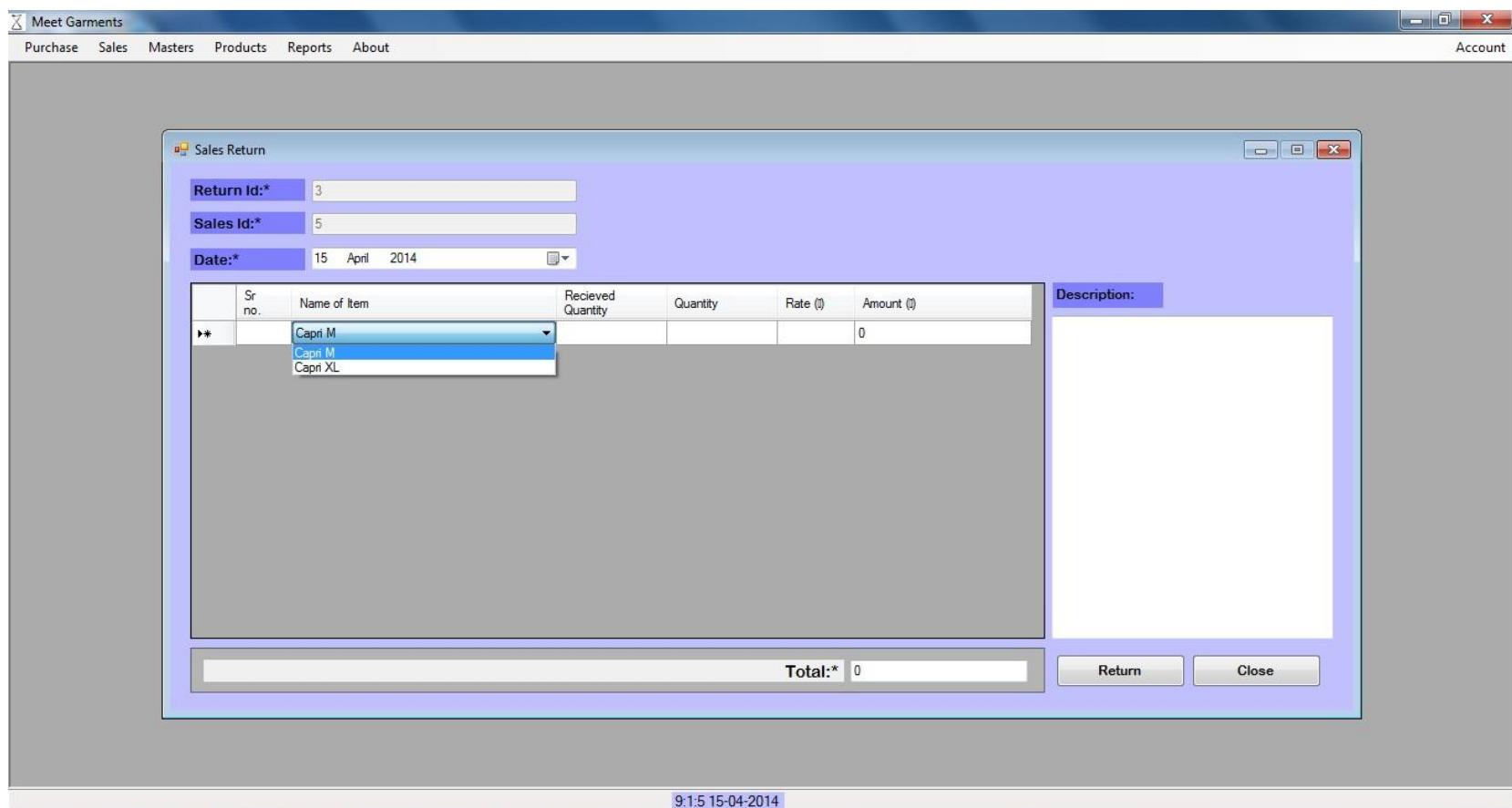
# Search By Customer Name



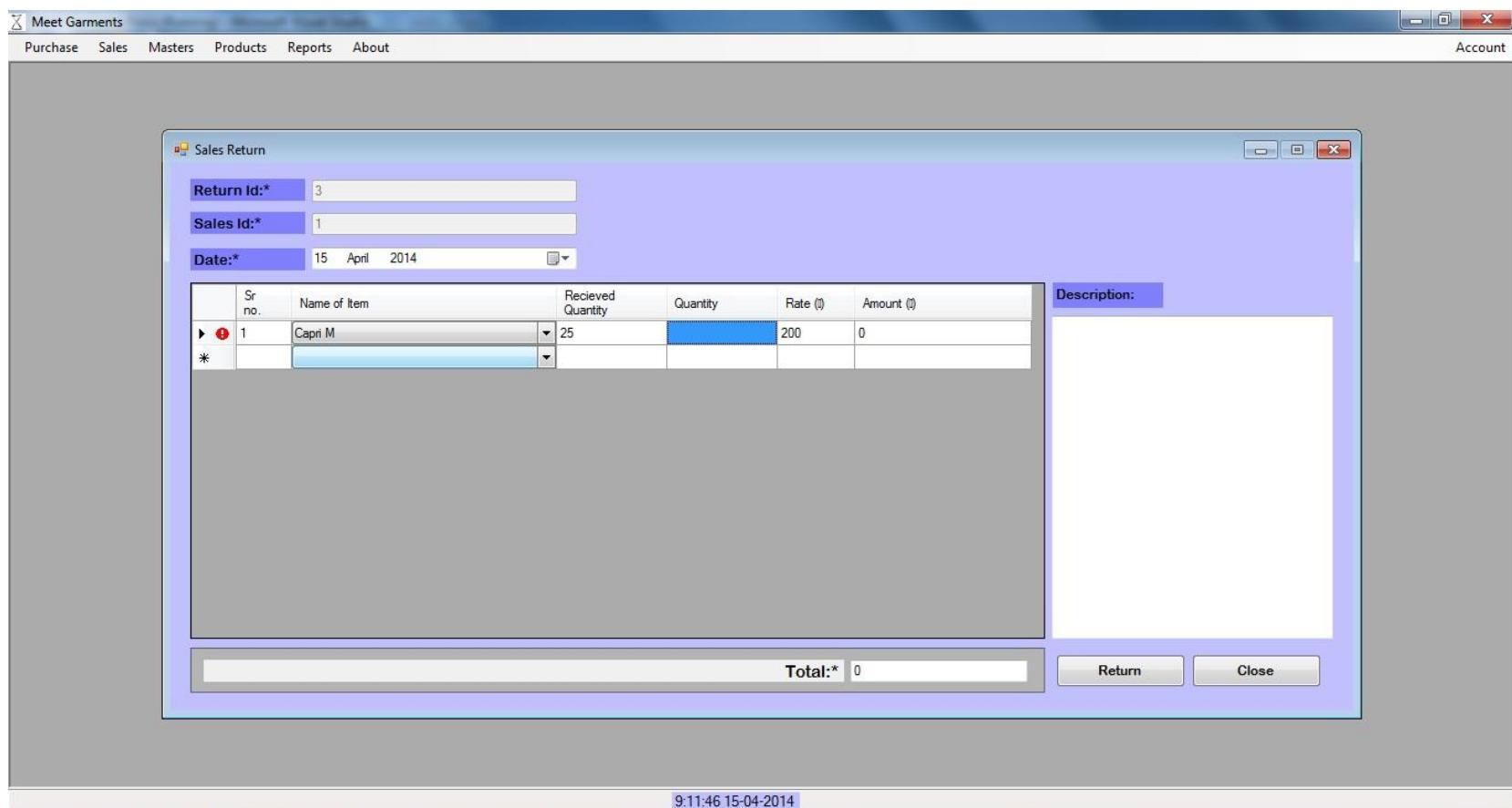
# Validation



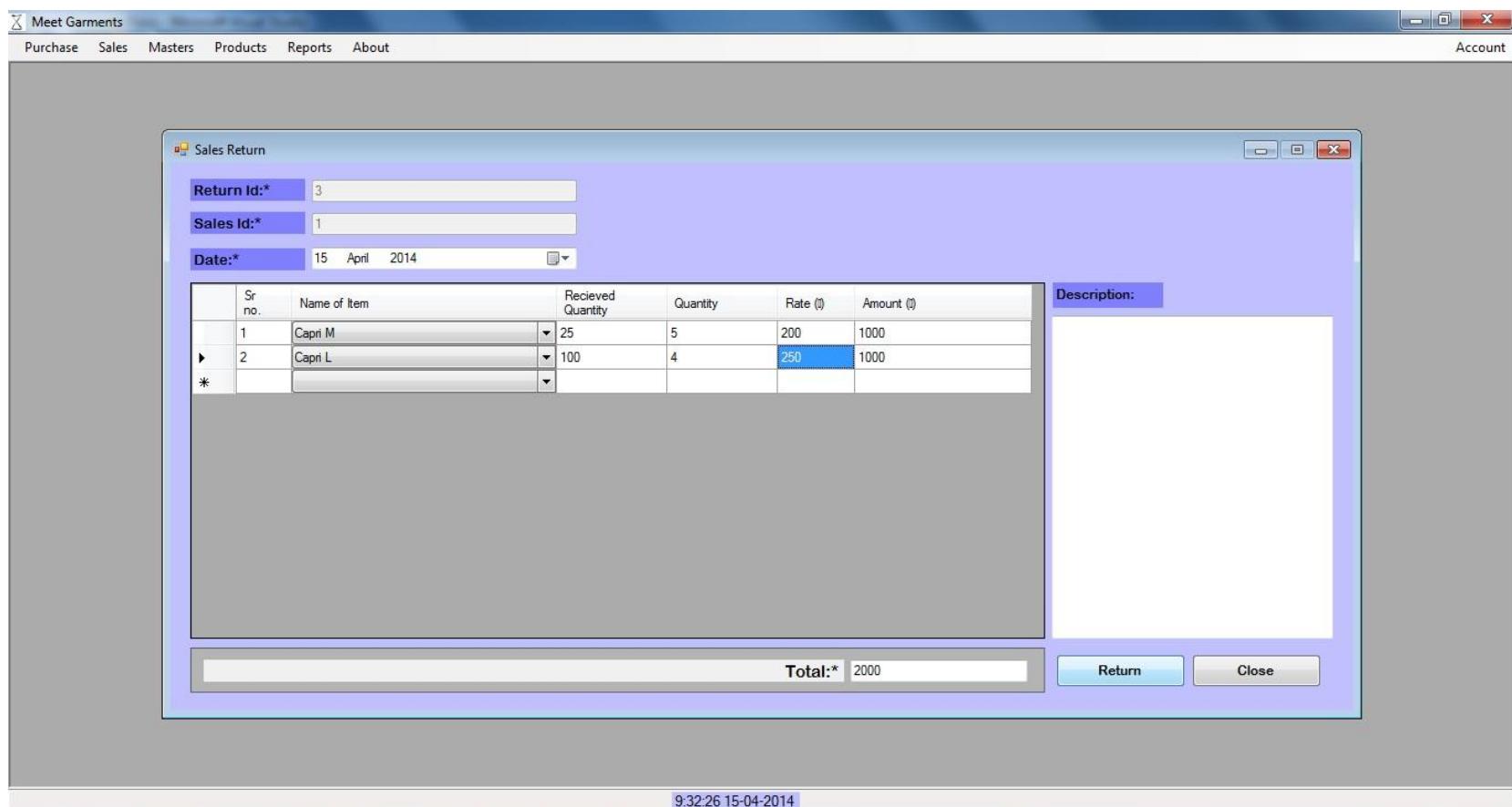
# Sales Return



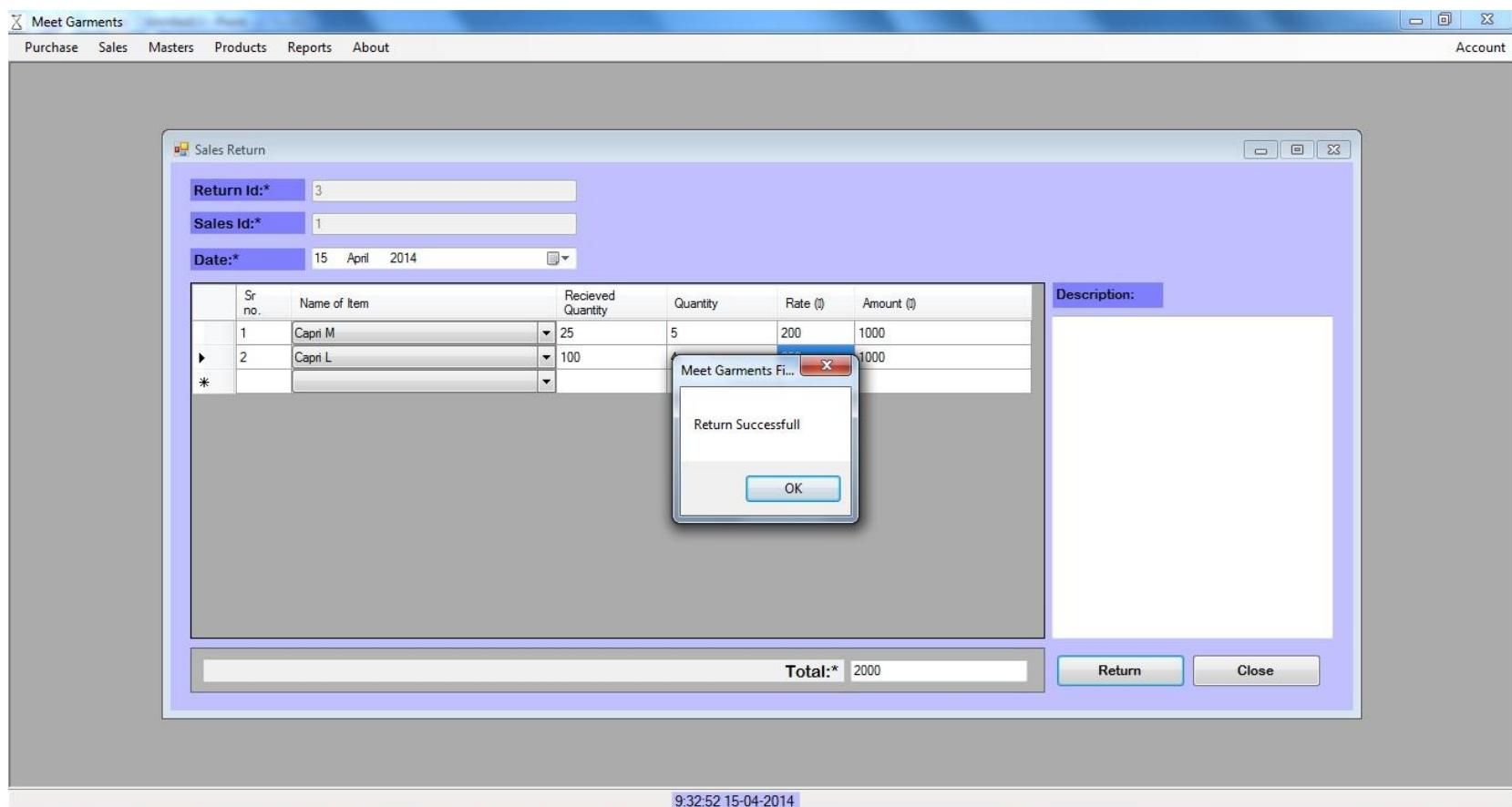
# Sales Return Validation



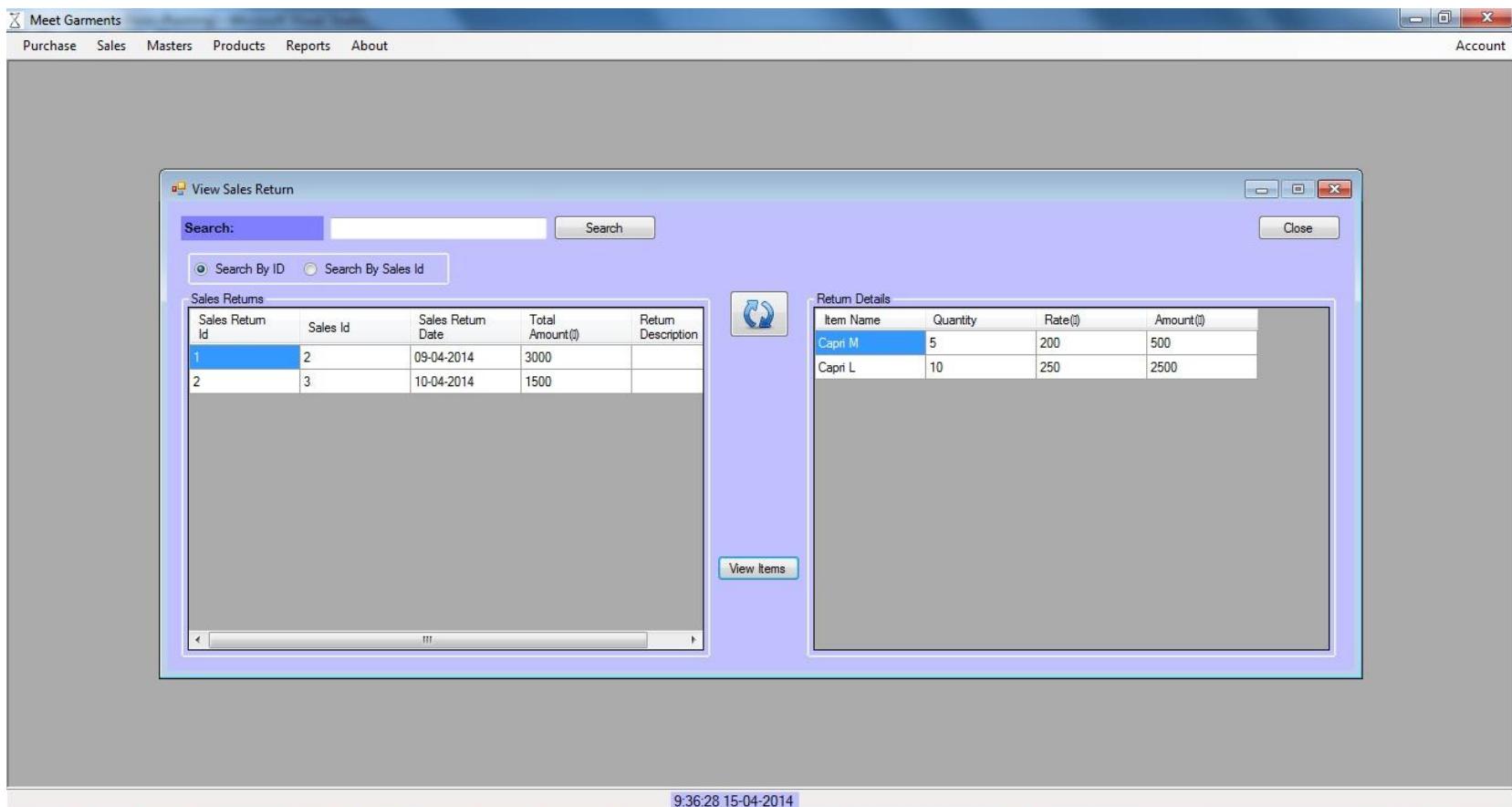
# Sales Return



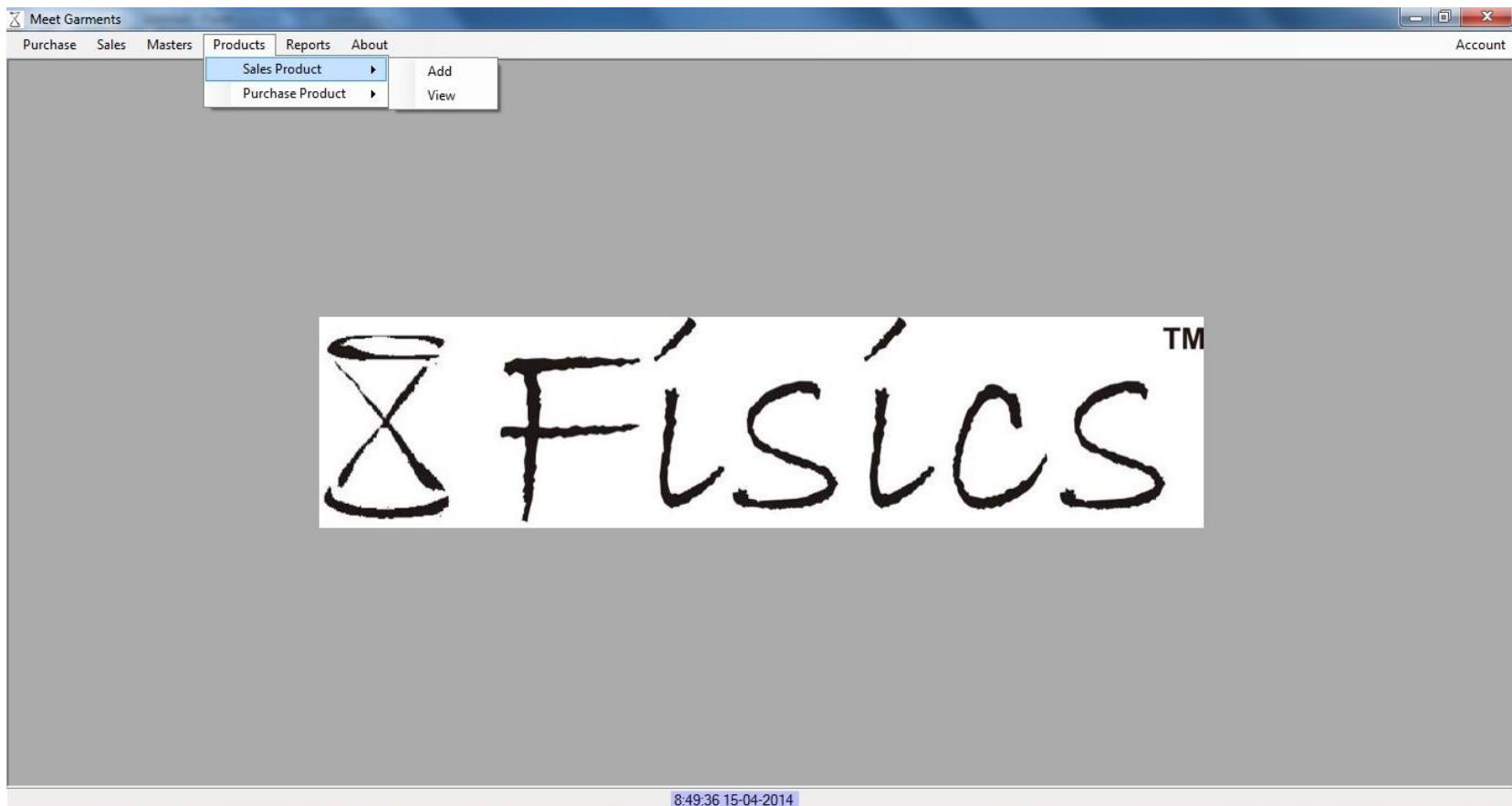
# Sales Return



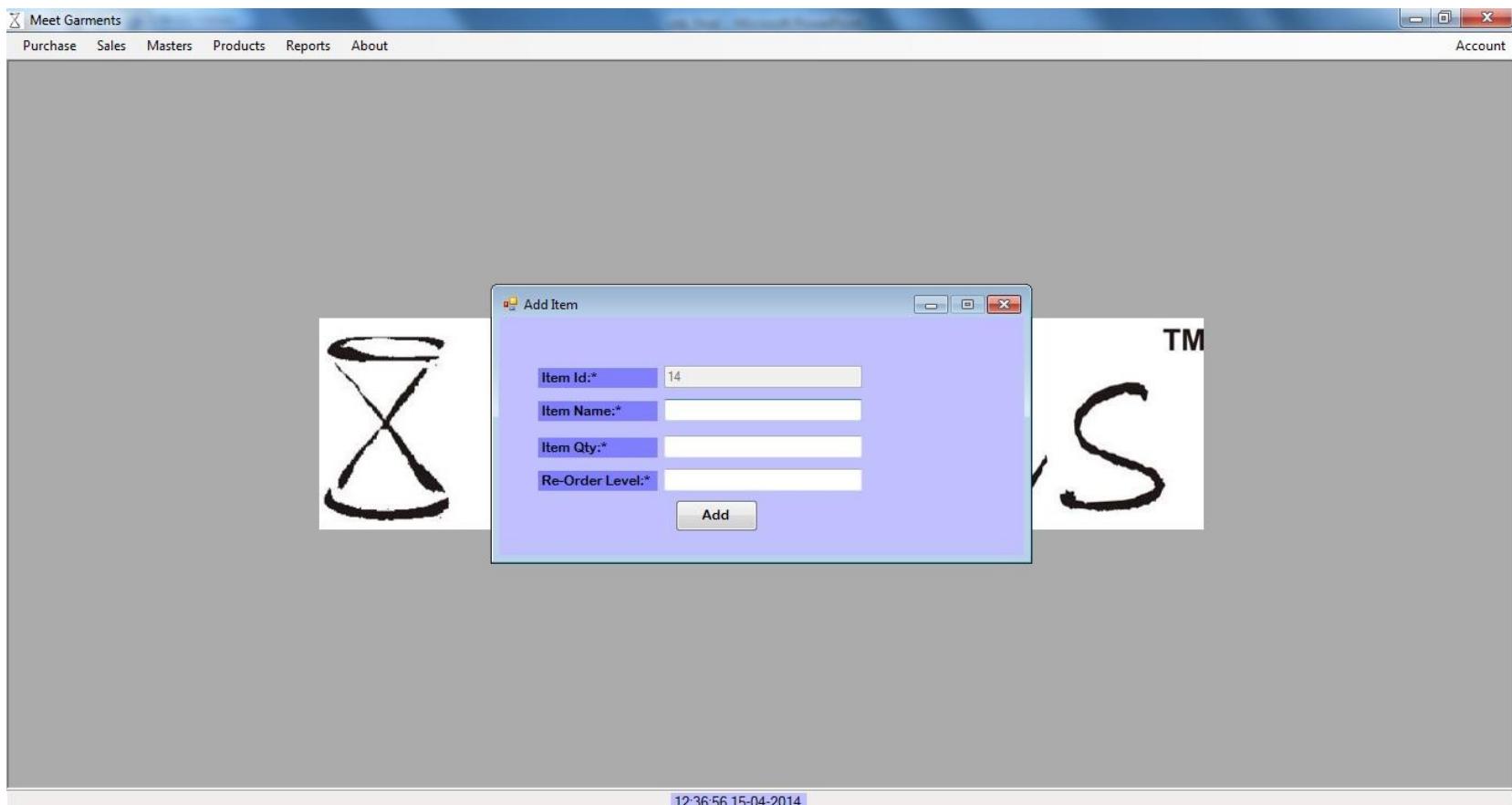
# View Sales Return



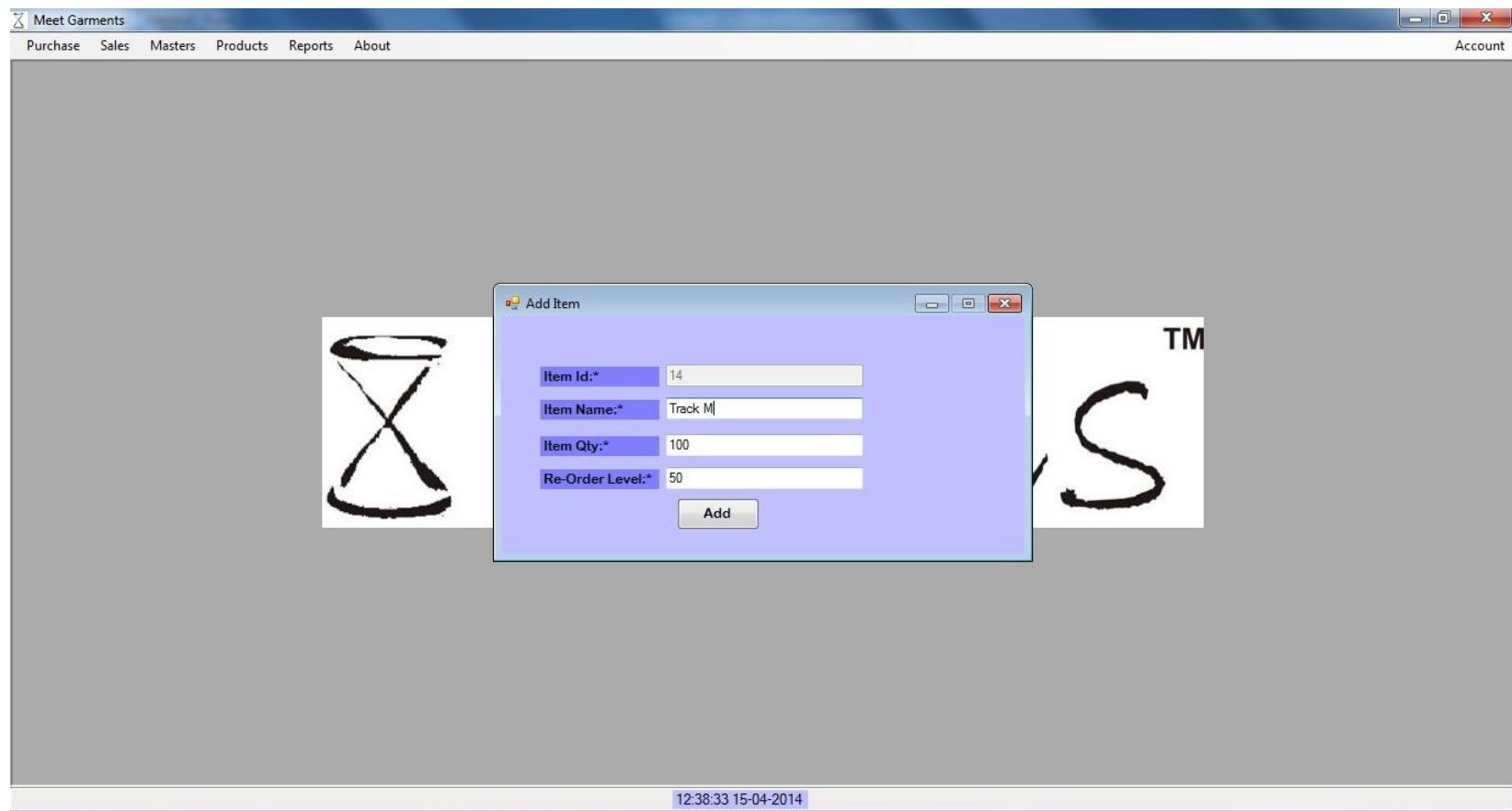
# Add Sales Product



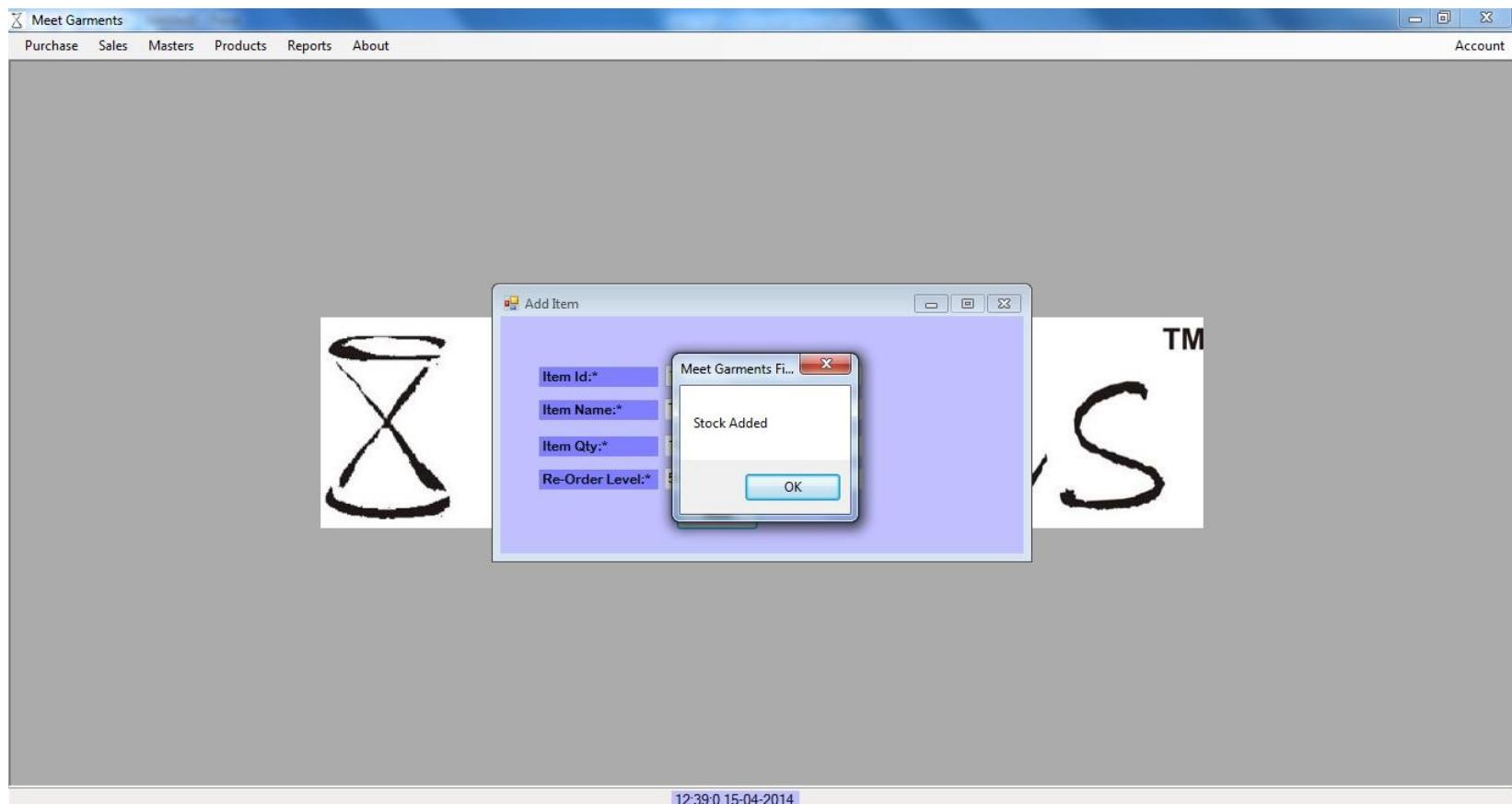
# Add Sales Product



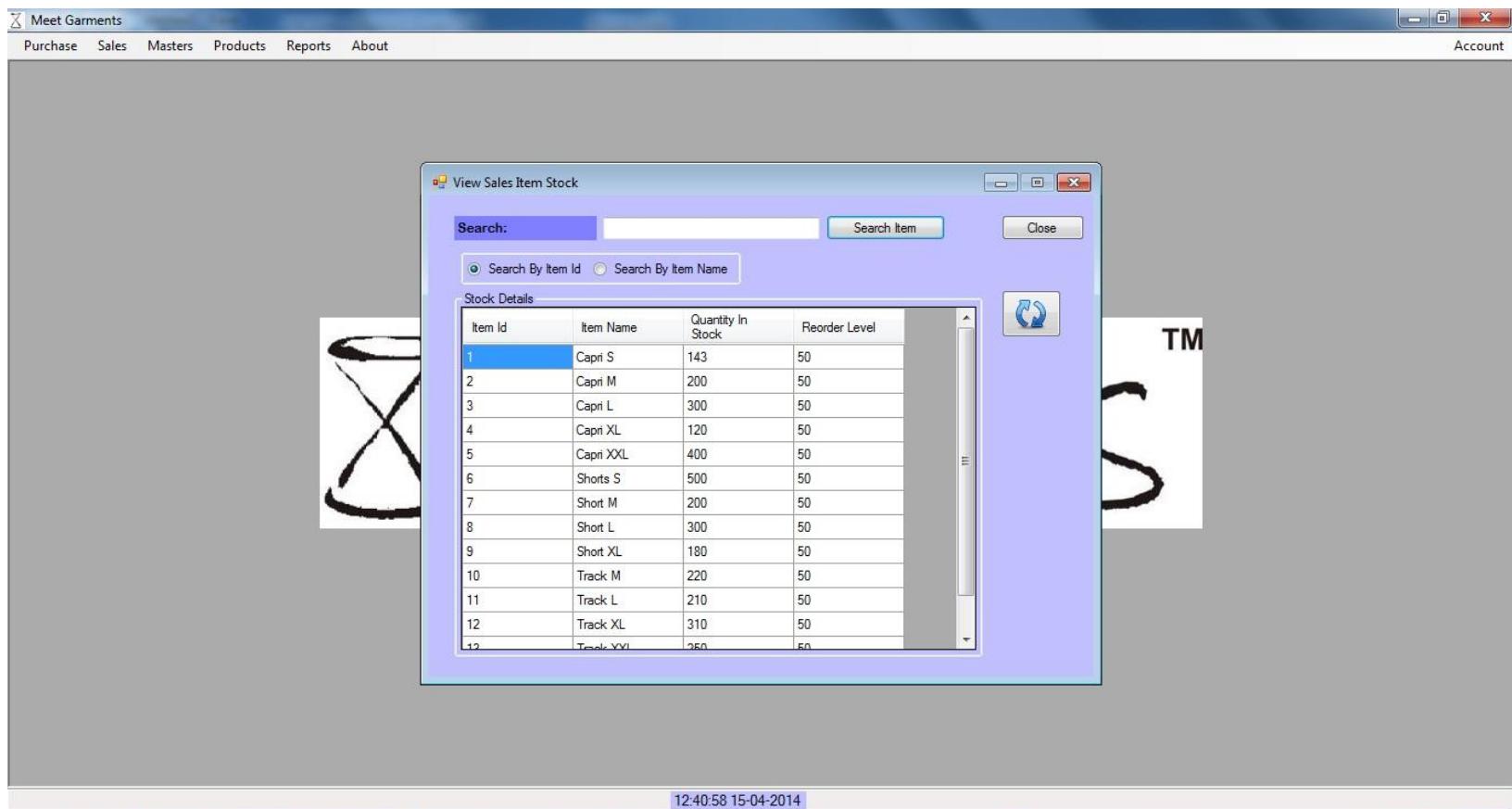
# Add Sales Product



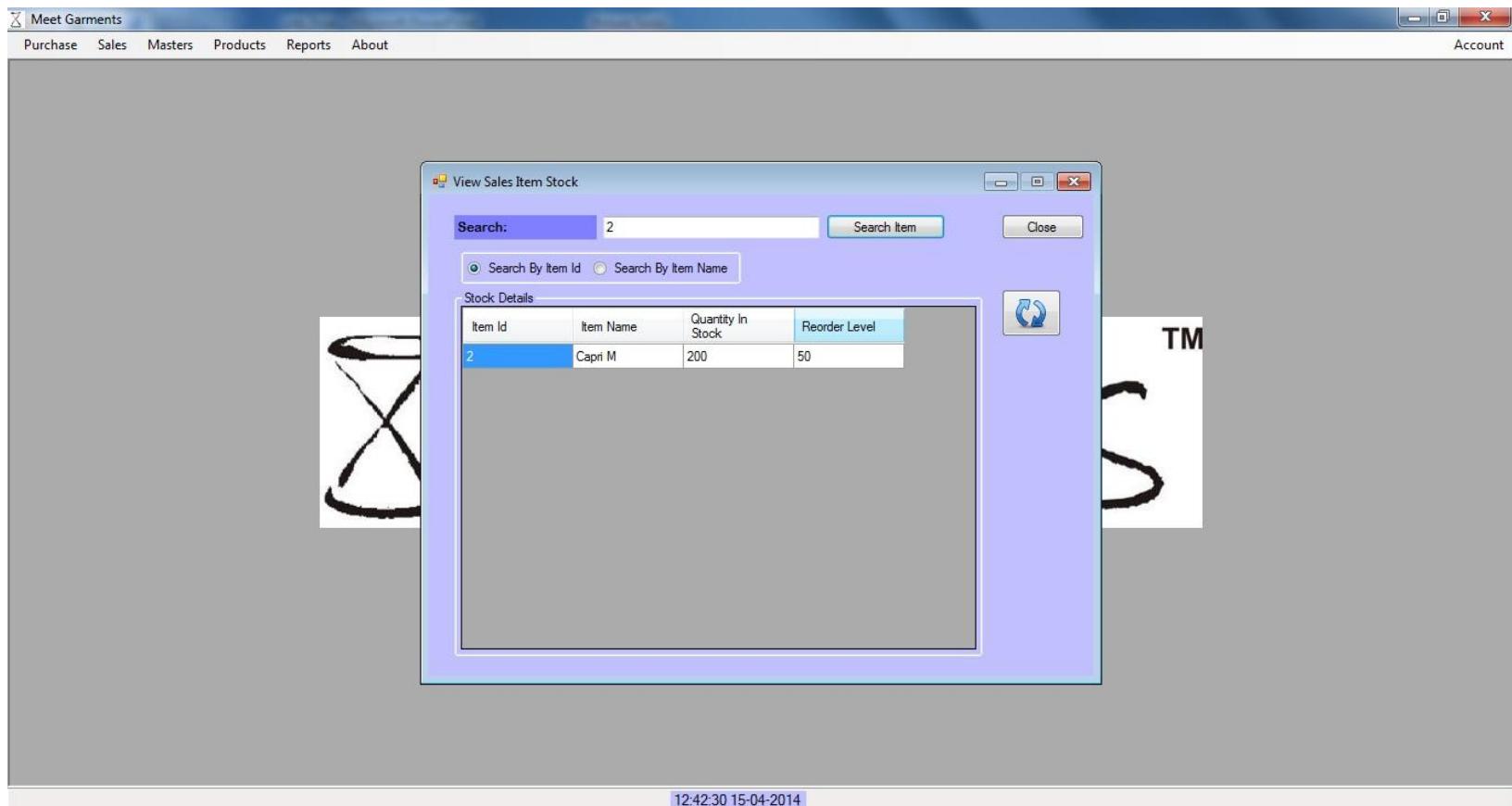
# Add Sales Product



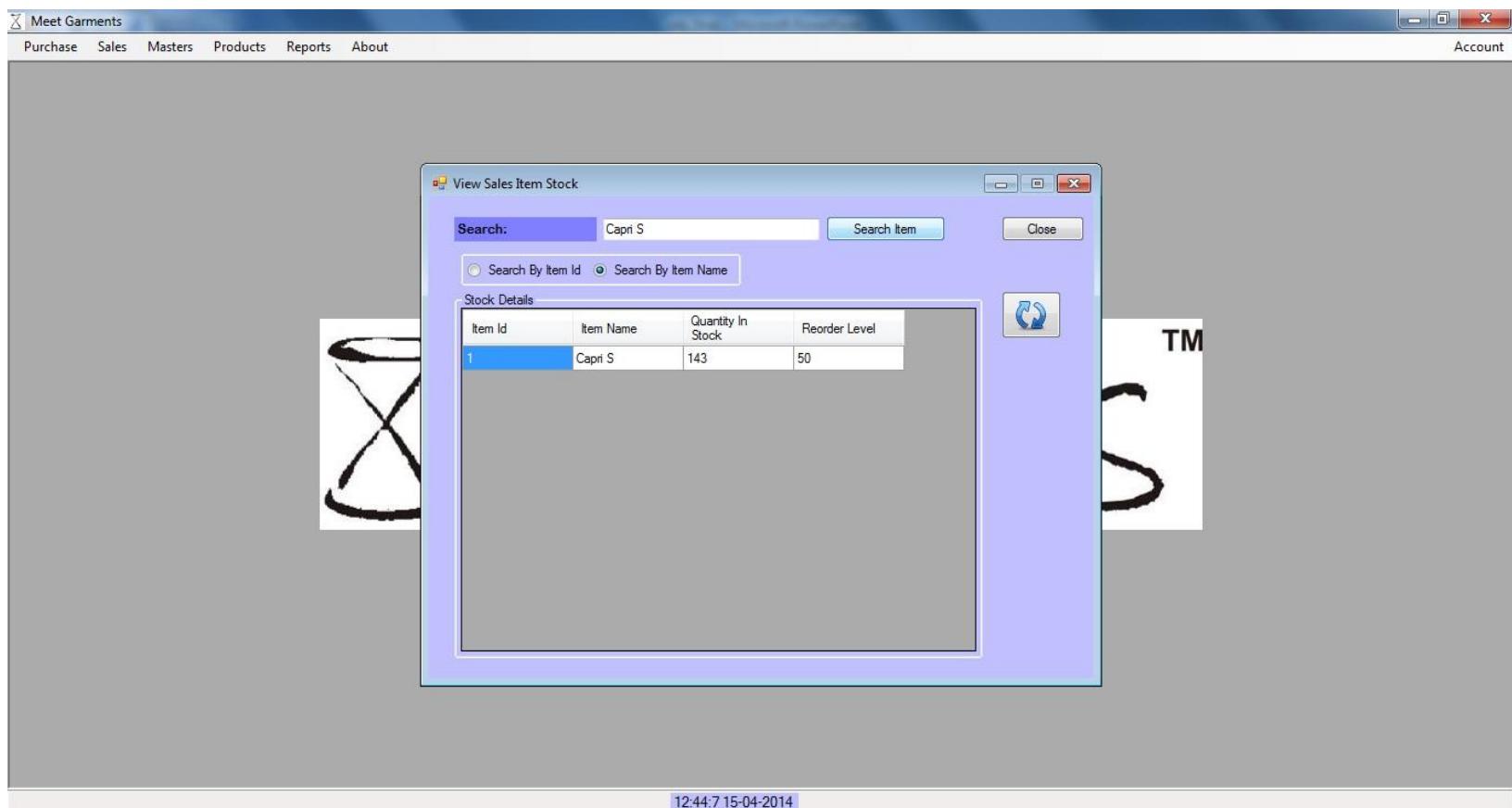
# View Sales Item Stock



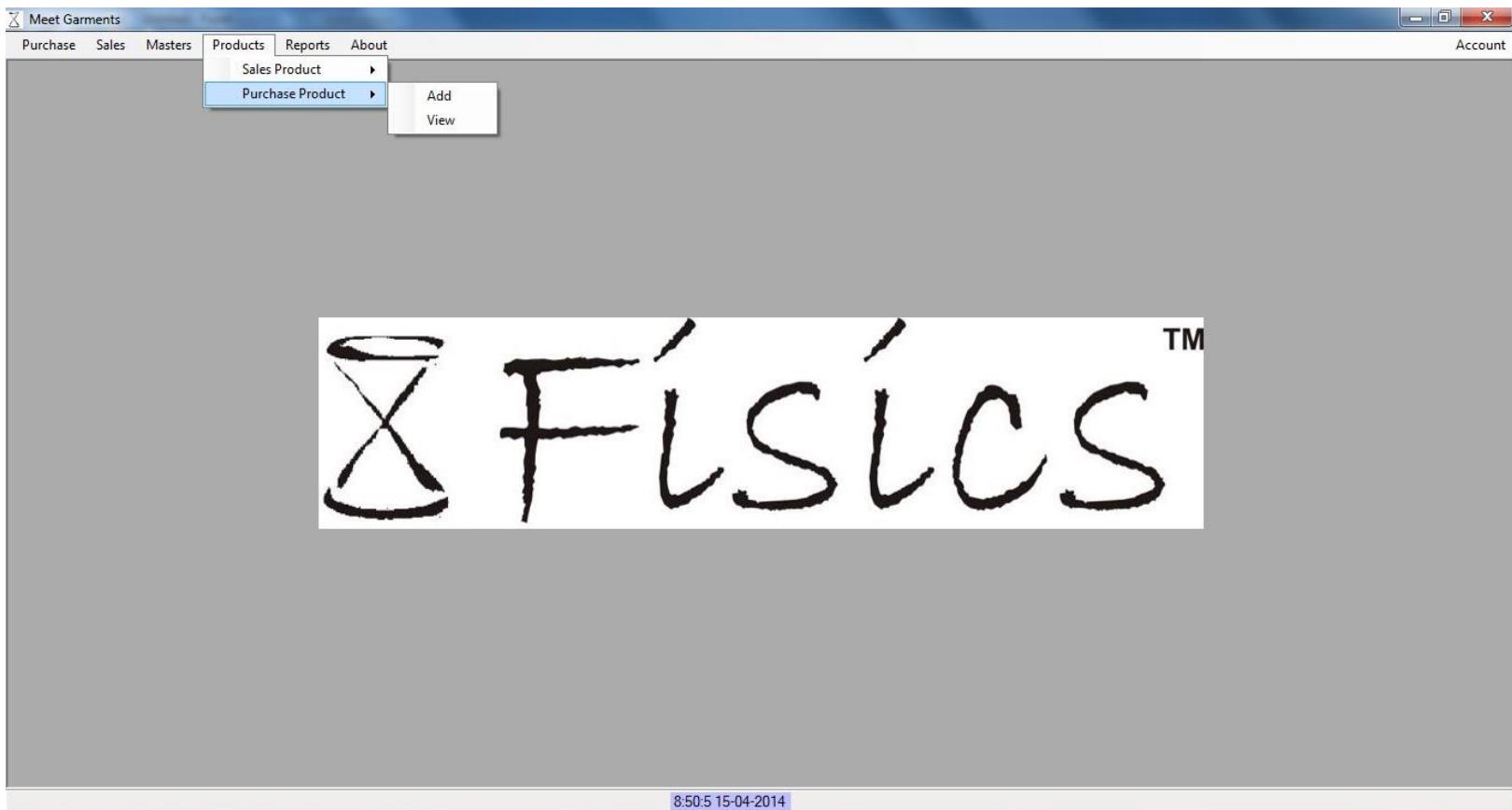
# Search Items By Id



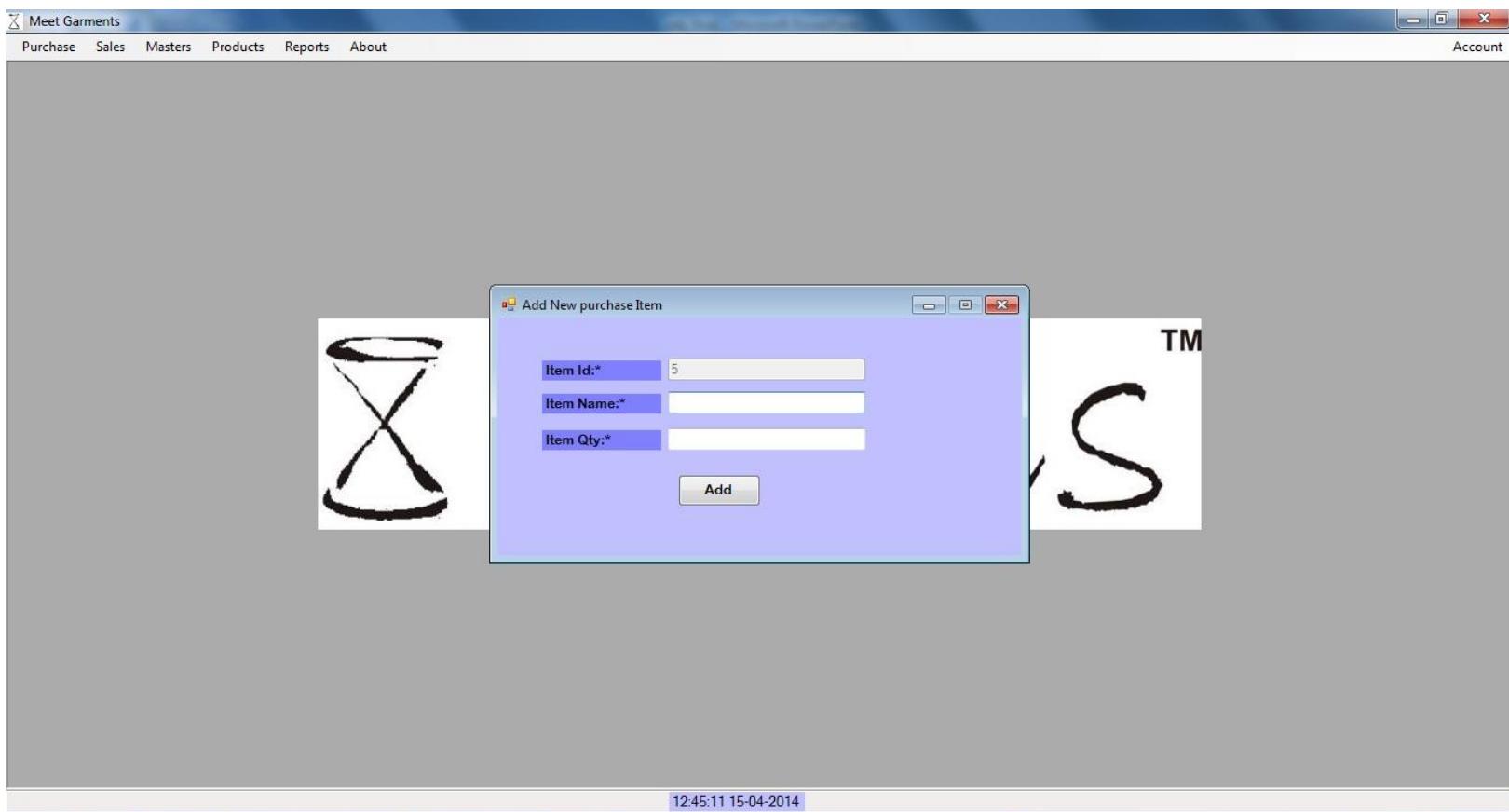
# Search Items By Name



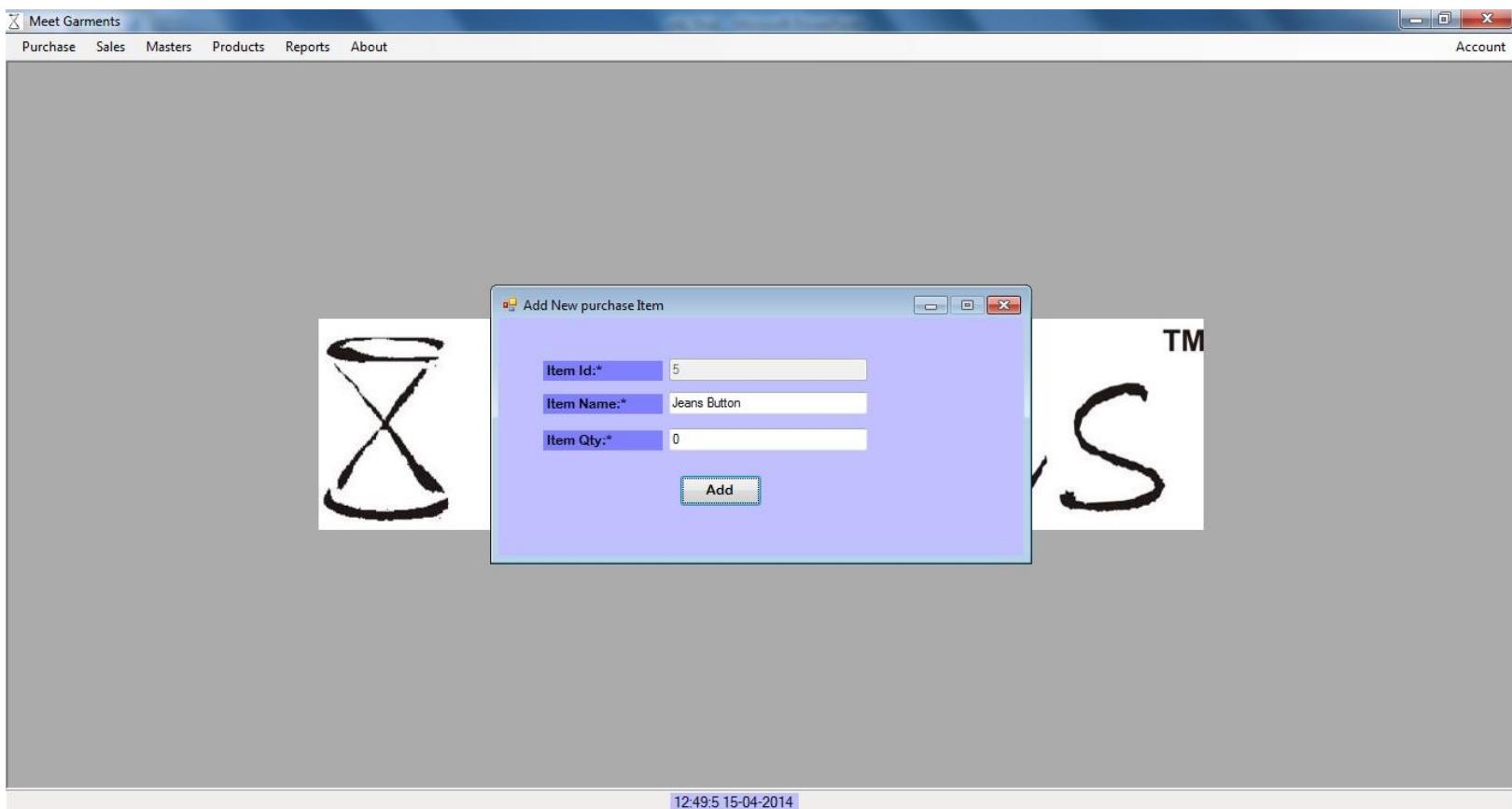
# Add Purchase Product



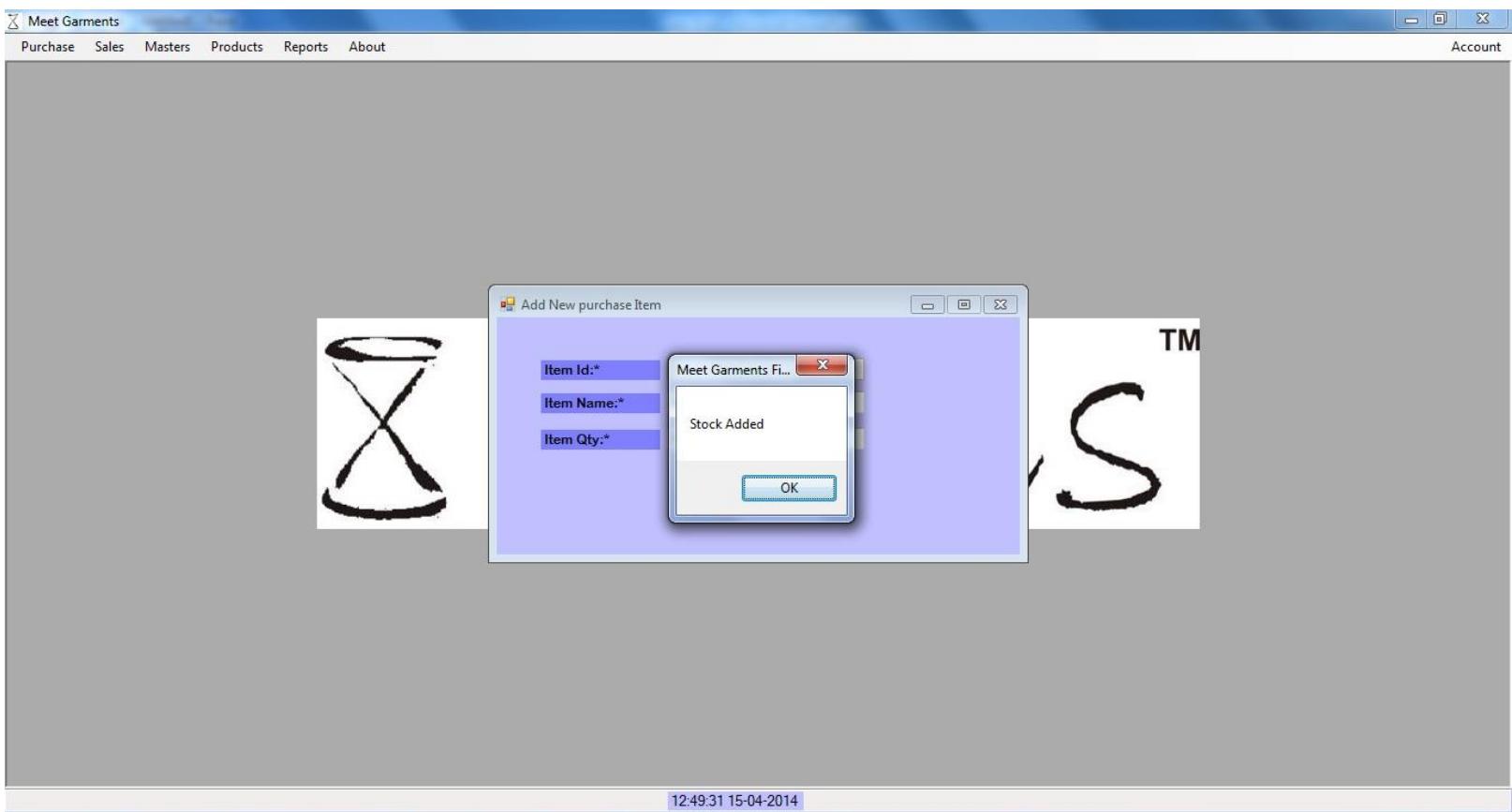
# Add Purchase Product



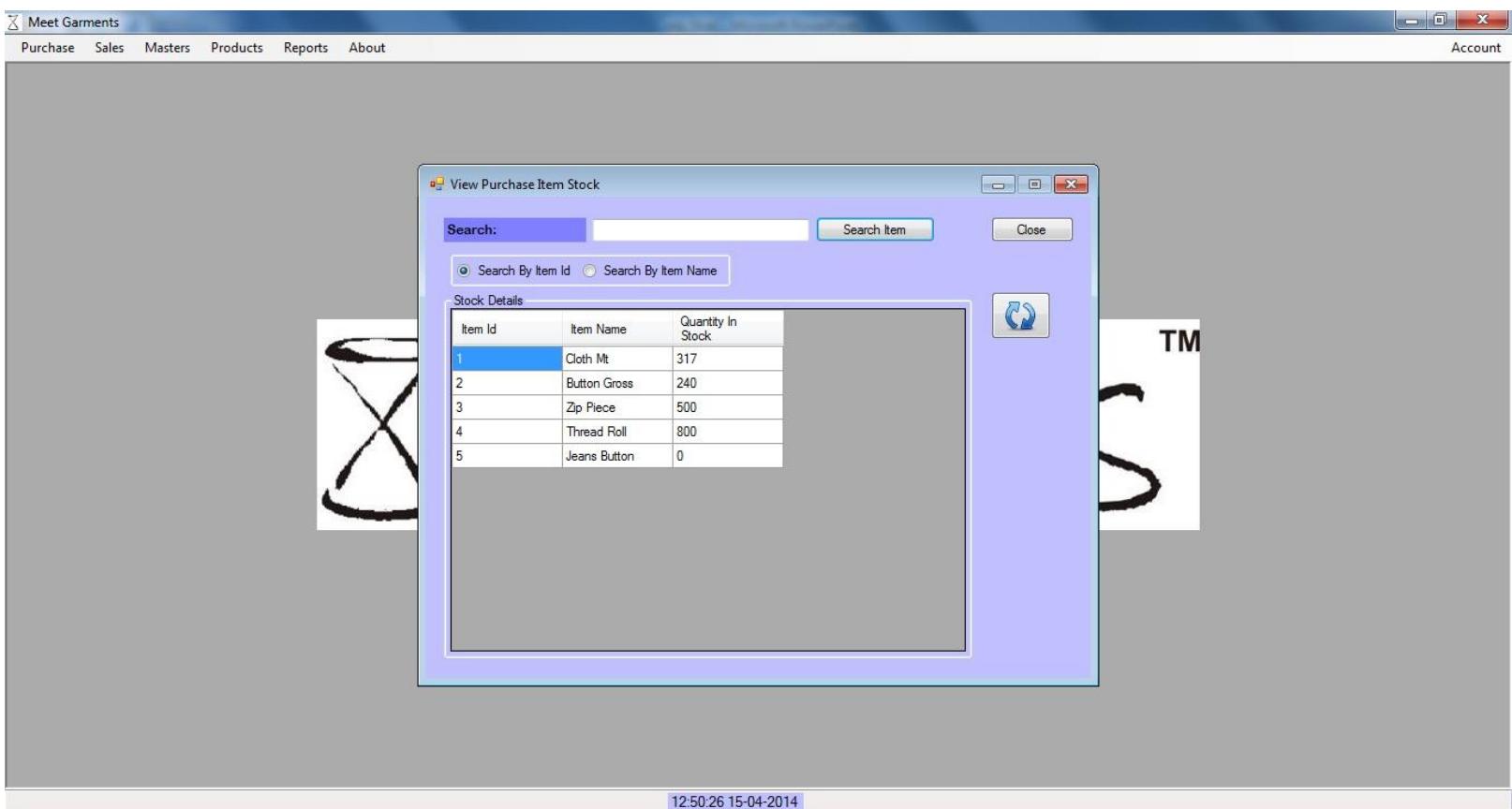
# Add Purchase Product



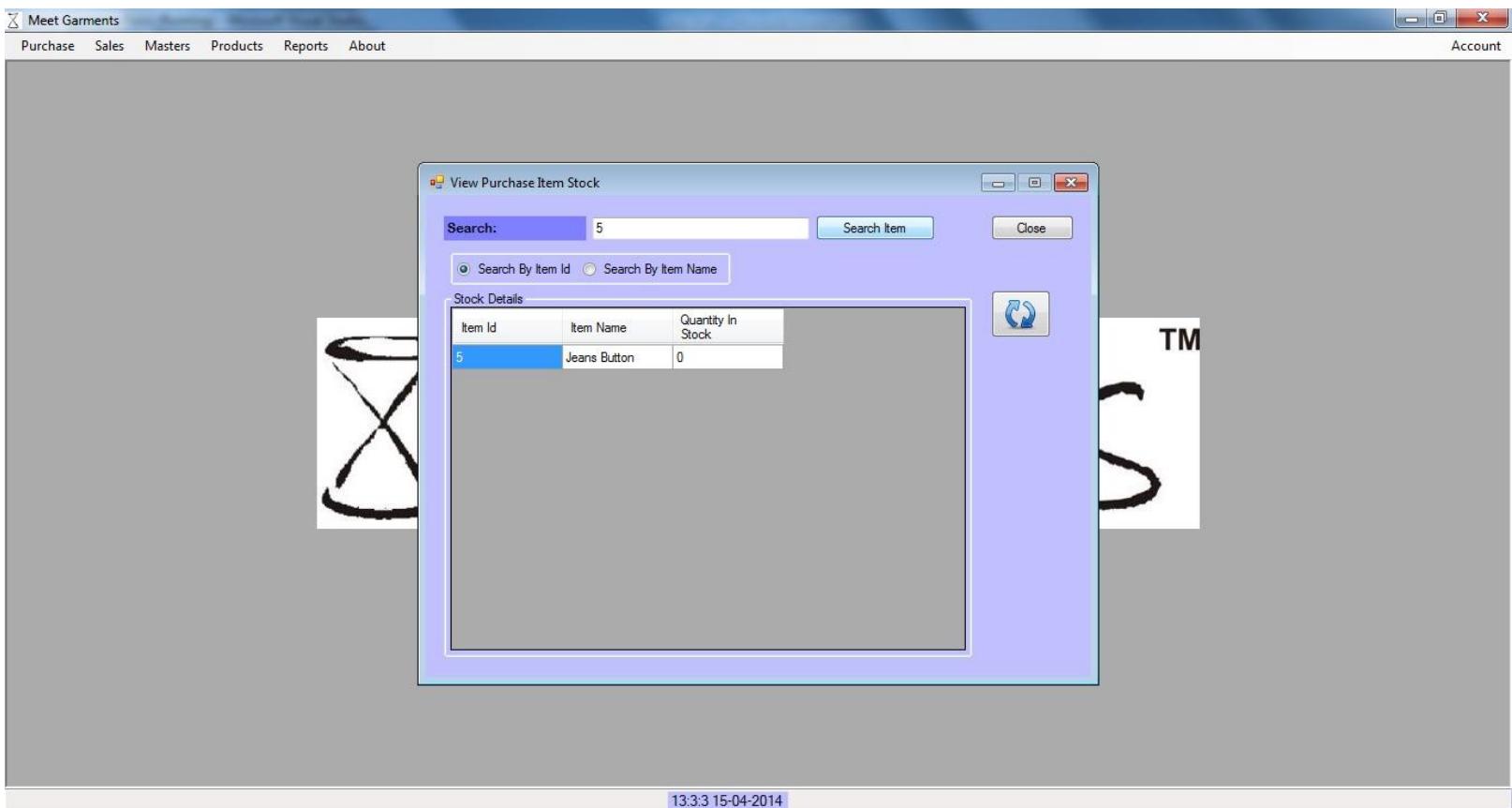
# Add Purchase Product



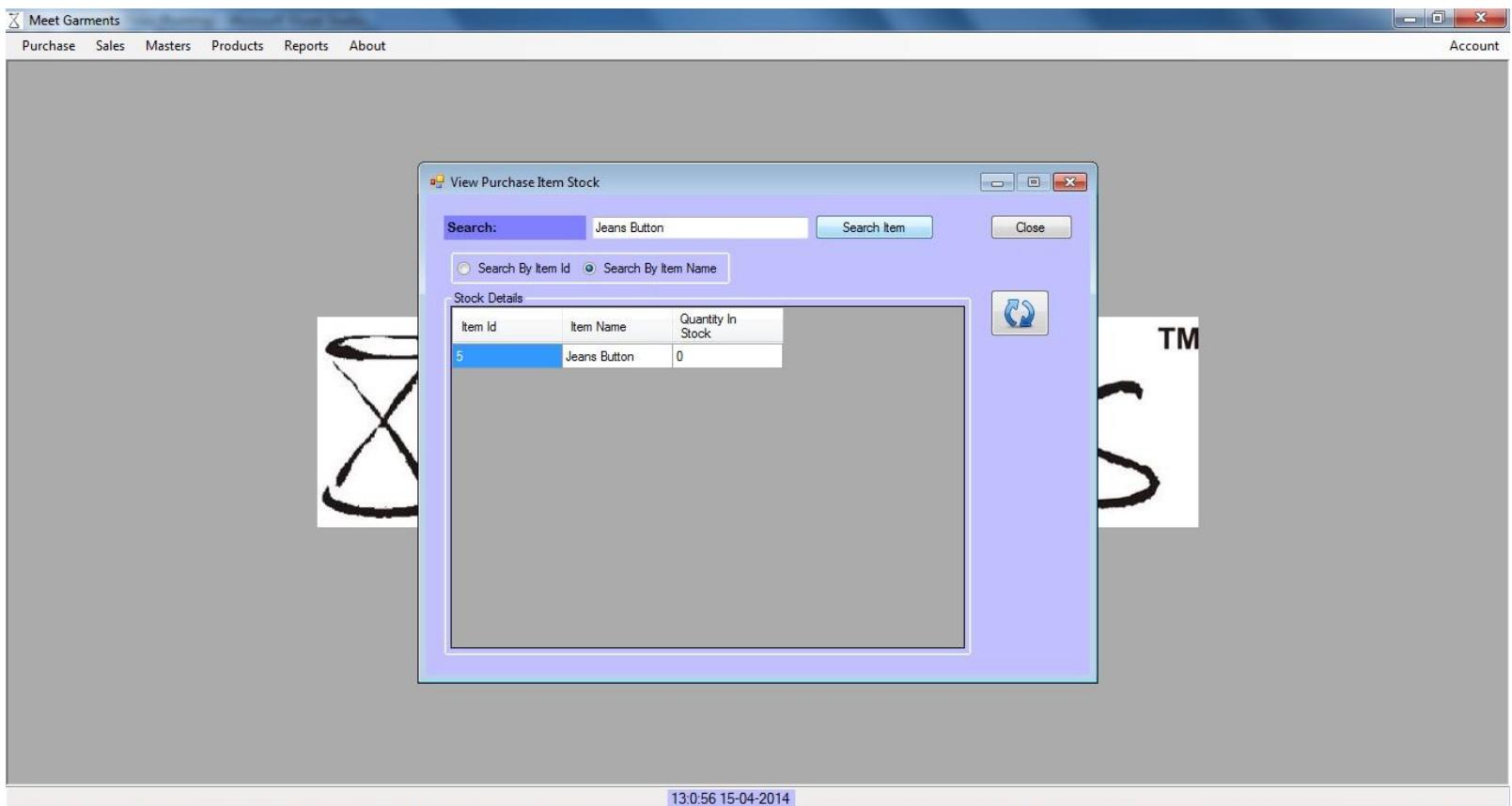
# View Purchase Product



# Search By Item Id



# Search By Item Name



# Reports Layouts

# All Order

The screenshot shows a Windows application window titled "OrderDetailsView" within a larger application frame for "Meet Garments". The main report area displays a header for "MeetGarments" with address and contact information, followed by a section titled "Order Details As On Date" dated "15-04-2014". Below this is a table listing six orders with columns for Order Id, Customer Name, Date, and Status.

Order Id	Customer Name	Date	Status
1	Nand Chowksi	02-04-2014	Pending
2	Sumit Vadhiya	11-03-2014	Dispatch
3	Kashyap shah	08-04-2014	Pending
4	Shyam Verma	06-04-2014	Dispatch
5	Harsh Patel	03-04-2014	Pending
6	Nand Chowksi	08-04-2014	Pending

Current Page No.: 1      Total Page No.: 1      Zoom Factor: 100%

13:8:0 15-04-2014

# Order In Between Dates

The screenshot shows a Windows application window titled "OrderInBetweenDates". The main content is a report for "MeetGarments" with the following details:

**MG MeetGarments**  
3,Geeta Appt, Near, sikh guradwara,maninagar, ahmedabad-380008  
PH: 07925467038  
: 09825440438

**Order Details In Between Dates**

Order_id	Customer_name	Date	Status
1	Nand Chowksi	02-04-2014	Pending
3	Kashyap shah	08-04-2014	Pending
4	Shyam Verma	06-04-2014	Dispatch
5	Harsh Patel	03-04-2014	Pending
6	Nand Chowksi	08-04-2014	Pending

Current Page No.: 1    Total Page No.: 1    Zoom Factor: 100%

13:10:0 15-04-2014

# Customer As On Dates

The screenshot shows a Windows application window titled "CustomerReport". The main content area displays a report for "MeetGarments". The report header includes the company logo "MG MeetGarments" and address details: "3, Geeta Appt, Near, sikh guradwara, maninagar, ahmedabad-380008 PH: 07925467038 : 09825440438". Below the header is a section titled "List Of Customer As On Date" dated "15-04-2014". A table lists six customer records:

Customer Name	Address	City	Pincode	Contact	Email	Cst No
Kashyap shah	C2, Gopal Complex, I Kutch		361008	9558155635	kashyap@gmail.com	123
Harsh Patel	A2, Shiv Complex, M& Ahmedabad	380009	8172066990	harsh.garment@gmail.co		324
Nand Chowksi	23/A, Kalhaar Buildin Mehsana	381126	7864532012	Nand@yahoo.com		768
Sumit Vadhiya	32/B, Deep complex, Jamnagar	368012	8964578129	Vadhiya@rediffmail.com		0
Shyam Verma	A2, Deep Bunglows, I Morbi	367102	8623487923			212

At the bottom of the report, there are status indicators: "Current Page No.: 1", "Total Page No.: 1", and "Zoom Factor: 100%". The application's main menu bar includes "Purchase", "Sales", "Masters", "Products", "Reports", "About", and "Account". The title bar of the main window also says "CustomerReport".

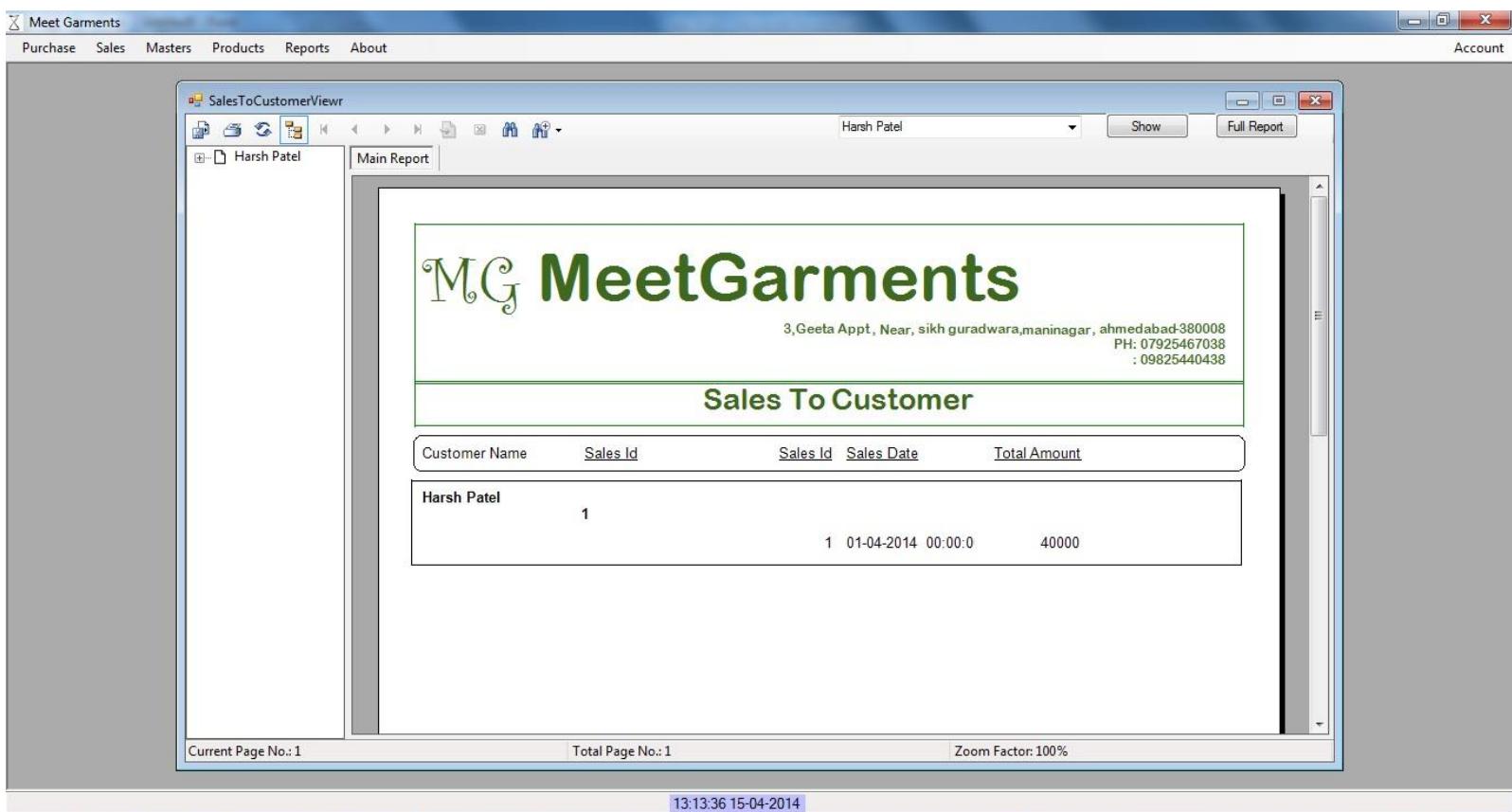
# Sales To Customer

The screenshot shows a Windows application window titled "Meet Garments". The menu bar includes "Purchase", "Sales", "Masters", "Products", "Reports", and "About". On the right side of the menu bar, there is a dropdown labeled "Account" and a red "X" button. The main content area is titled "SalesToCustomerViewr". A left sidebar lists three customers: Harsh Patel, Shyam Verma, and Sumit Vadhiya. The main report area displays the "MeetGarments" logo and address: 3, Geeta Appt, Near, sikh guradwara, maninagar, ahmedabad-380008, PH: 07925467038, : 09825440438. Below this is a section titled "Sales To Customer" with a table:

Customer Name	Sales Id	Sales Id	Sales Date	Total Amount
Harsh Patel	1		1 01-04-2014 00:00:0	40000
Shyam Verma	3		3 08-04-2014 00:00:0	36800
Sumit Vadhiya	2		2 02-04-2014 00:00:0	70700

At the bottom of the report area, there are buttons for "Current Page No.: 1", "Total Page No.: 1", and "Zoom Factor: 100%". The status bar at the bottom of the window shows the time "13:12:54 15-04-2014".

# Sales To Specific Customer



# Supplier As On Date

Supplier Report

Supplier Name	Address	Pincode	City Name	Contact	Email	Cst_no
Vikram Rathod	4/B, Suranya bunglows, 380008 Ahmedabad	780912091	Vkram@gmail.com	123		
Suresh Verma	60, Lucky Apartment ,B1 371002 Aravalli	786543210	sureshV@hotmail.com	678		
Nishant Joshi	2/b, Gopal soc, maninagar 380023 Ahmedabad	901239281	joshiN@rediffmail.com	809		
Tarun Thakkar	60, Pallavi Society, Nr B360005 Banaskantha	809754621	tarun.thakkar@gmail.co	703		
Mohan Shah	80, Jayraj Society, Patel 361008 Jamnagar	972321689		0		

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100% 13:14:19 15-04-2014

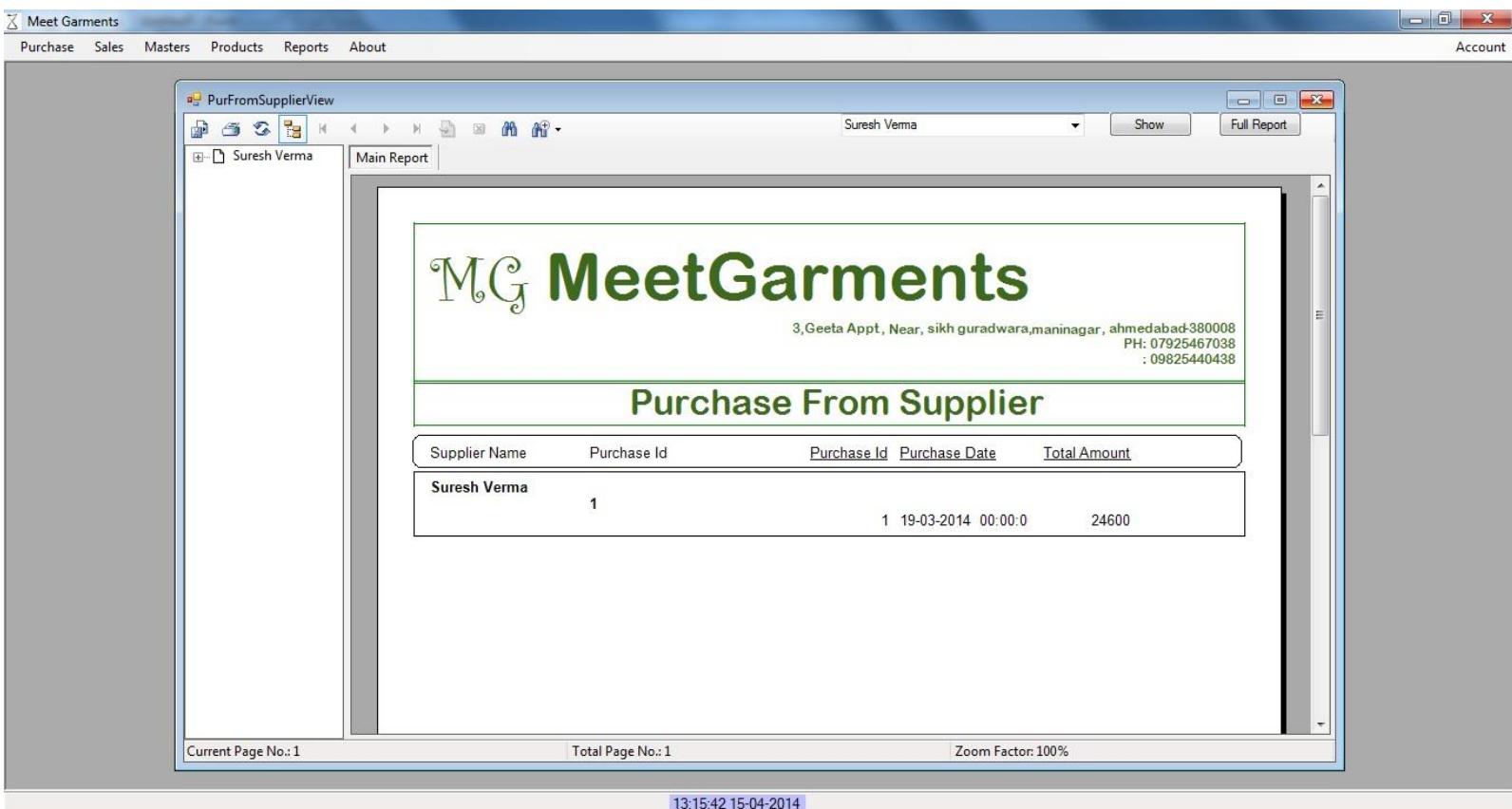
# Purchase From Supplier

The screenshot shows a Windows application window titled "Meet Garments". The menu bar includes "Purchase", "Sales", "Masters", "Products", "Reports", and "About". The title bar of the main report window says "PurFromSupplierView". The report header displays the company logo "MG MeetGarments" and address "3, Geeta Appt, Near, sikh guradwara,maninagar, ahmedabad-380008 PH: 07925467038 : 09825440438". The report title is "Purchase From Supplier". The data is presented in a table:

Supplier Name	Purchase Id	Purchase Id	Purchase Date	Total Amount
Mohan Shah	3	3	28-03-2014 00:00:0	41000
Suresh Verma	1	1	19-03-2014 00:00:0	24600
Tarun Thakkar	2	2	21-03-2014 00:00:0	60000

At the bottom, it says "Current Page No.: 1", "Total Page No.: 1", and "Zoom Factor: 100%". The status bar at the bottom shows the date and time: "13:14:50 15-04-2014".

# Purchase From Specific Supplier



# Sales Stock Detail As On Date

The screenshot shows a Windows application window titled "SaleStockReport". The main title of the report is "MeetGarments" with the subtitle "Sales Stock Details As On Date". The report lists the following data:

Item Name	Sales Item Id	Quantity
Capri L	3	300
Capri M	2	200
Capri S	1	143
Capri XL	4	120
Capri XXL	5	400
Short L	8	300

At the bottom of the report, it says "Current Page No.: 1", "Total Page No.: 1", and "Zoom Factor: 100%". The timestamp at the bottom of the application window is "13:16:18 15-04-2014".

# Item Wise Sale Quantity Details

The screenshot shows a Windows application window titled "Meet Garments". The menu bar includes "Purchase", "Sales", "Masters", "Products", "Reports", "About", and "Account". A toolbar with icons for file operations is visible. On the left, a sidebar lists item quantities: 120, 100, 90, 85, 70, 58, 44, 30, and 25. The main report area displays the following information:

**MG MeetGarments**  
3, Geeta Appt, Near, sikh guradwara,maninagar, ahmedabad-380008  
PH: 07925467038  
: 09825440438

**Item Wise Sale Quantity Details**

15-04-2014

Sales Id	Quantity	Item Name	Customer name
2	120	Track L	Sumit Vadhiya
1	100	Capri L	Harsh Patel
1	100	Capri XL	Harsh Patel
3	90	Track XXL	Shyam Verma
2	85	Track XXL	Sumit Vadhiya
2	70	Track M	Sumit Vadhiya
3	58	Track XL	Shyam Verma

Current Page No.: 1    Total Page No.: 1    Zoom Factor: 100%

13:16:43 15-04-2014

# Proposed Enhancement

- To manage the inquiry about various product
- Invoice generation
- Bar code Identification System

# Acknowledgement

- Before Completing the project I would like to add few heartfelt words for the people who were the part of my project and helped me in numerous ways.
- I wish to place my deep sense of gratitude to Mr. Sandeep Gordhandas Talreja, Meet Garments for providing me an opportunity to undertake such an interesting project.
- I would also like to thank my Faculty Guide, Mr. pratik thanavala, H.L. Institute Computer Applications, Ahmedabad for their valuable guidance and continual encouragement throughout the System Development project.

# Acknowledgement Cont..

- I am also thankful to Mr. Bipin V. Mehta, Director, H.L. Institute Computer Applications,Ahmedabad for his continual kind words of encouragement and motivation throughout the System Development project.
- The blessings of God and my family members made the way for completion of the major project. I am very much grateful to them.I am immensely thankful to my project partners, who always stood beside and motivated me throughout this course.

# Thank You