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Perfume Store Management System

Design Document

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Month ...01.. Year 2018...

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Review 1

I. Problem Definition:

1. Introduction:

Today, perfume is a anniversary. So after a long time. We also change every thing but we will remember perfume with a anniversary at past. So to day, so much people sell perfume and create a shop for buy perfume. It make very much money for every body sell it.

Create a perfume store, manage sales, manage money. They are big work with much task. And director perfume store will work hard if they do it by hand.

So, We produce Perfume Store System Management. It will help the store director work so fast, so easy. Application will help sales, inventory, manager and director easy view.

Perfume store management system is a software provide good interface with some functional for manager. A user can login, then they can manage bill, money, sales, products .v.v..

Functional of application has ben developed to provide a lot of benefit to user. Help to management inventory easier. All business process faster and correctly. Base Java programming language can run on any platform. Our application can execute even on many platform difference if they setup Java Runtime Environment. Therefore system will implemented widely and reality higher.

2. Proposed Solution:

System have 4 users type: sales, manager, inventory and director.

Perfume Store System don't have registration form for new user, creating the account would be done by director and manager.

When login, if login success, each user have each permission. And each permission have difference menu of system.

II. Customer Requirement Specification:

1. Users of System:

A. Sales:

Sales is a staff of store, they will provide product information when a customer request. If customer agree, sales will produce a bill ,create it and buy products. Sales can search and delete a bill but they must wait for manager agree.

B. Inventory.

Inventory manager is a manager of system. While system have many store, this system have only one store. This staff will check inventory everyday, and produce quantity of product when a product not available in inventory. Everyday, this staff will send report for director.

C. Manager

Manager have high permission. Each store, will have a manager. Mission of this staff is : Money manager, sales manager. It mean they will manager to store. Every day, each manager of each store will create report of store and send to director

D. Director

System have only one director, only one. This person can add a new store and manager to all store in system. This person can add new or delete manager in each store, delete and add new inventory staff. And also, this person will see all report from manager.

2. Functional Requirements:

- **Login to the system:**

- Input and verify: Username, password, role.
- Output: Show message of login status. If login success, a main interface appear

- **Change the password.**

- Input and verify: old password and new password.
- Output: Show message success.

- **View inventory.**

- Show: all information of all products.

- **Search products.**

- Input: product name or categories or price.
- Output: Show information of products.

- **Search bill:**

- Input: customer ID, or while time, or Total.
- Output: show information of bill.

- **Search customer:**

- Input: customer name.

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- Output: show information of customer.

A. Sales:

- **Produce order.**
 - Input: Products ID and Quantity.
 - Output: Product list was ordered by sales with the fields like product name, quantity, price and total money.
- **Delete bill.**
 - Input: cause message for task cancel order.
- **Produce bill.**
 - Input: Customer ID, discount, VAT and Product list was ordered. If Customer ID don't exist, Sales will add a new customer.
 - Output: Show order details with the fields like sale name, date, customer name, product list and total money.
- **View sale information.**
 - Show: all information of sale with Sale ID input when login.

B. Inventory:

- **Add, delete, edit and search categories:**
 - Input: information of categories.
 - Output: show categories list with information.
- **Add, delete, edit and search products:**
 - Input: information of products.
 - Output: show products list with information.
- **Validate the inventory:**
 - Show how many products are sold and show change quantity product in the inventory.
- **View inventory status:**
 - Show total categories.
 - Show total products.
 - Show total quantity.
- **Generate report:**
 - Produce unsold inventories each month.
 - Produce receipt summary report.
 - Produce expire products report.

C. Manager:

- **Add, remove, edit, search sales account.**
 - Input: information of sales.
 - Output: show sales list with information.
- **View store status:**
 - Show how many bills have been generated.

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- Show how much order have been canceled.
- Show how much money is transacted.
- **Check bills was delete.**
 - Show order list was canceled with wrong entry by the sales.
- **Generate report:**
 - Produce transfer report for each of the products, category, sales, time.
 - Produce income report.
 - Produce sold quantity of each product, category report.

D. Director.

- **Add, remove, edit manager and inventory account.**
 - Input: Information of account.
 - Output: Show manager and inventory account list.
- **Add, remove, edit store.**
 - Input: Information of store.
 - Output: Show store list.
- **View report:**
 - Show report from inventory sales.
 - Generate report form report of manager of each store.

3. System Requirements:

- Pentium 4, 1.8 Ghz or better.
- 256 MB of RAM.
- 100 MB of HDD capacities available.

4. Software Requirements:

- OS with Windows XP SP2.
- SQL Server 2012.
- JDK 1.7

5. Development software:

- Netbean IDE 8.2
- Microsoft Office Viso 2013.
- Microsoft Office Word 2013.
- SQL Server Management Studio.

6. Technology:

- Java SE.
- Java Swing.

Project: Perfume Store Management System

Review 1 – Task Sheet

Project Ref. No:		Project Title	Date of Preparation of Activity Plan			
Sr. No.	Task		Actual Start Date	Actual Days	Team Member Name	Status
1	Problem Definition	Perfume Store Management System	22/01/2018	5	All member	Complete
2	Customer Requirement Specification					

Activity Plan Prepare By : Group 2

January 24, 2018

Group Leader

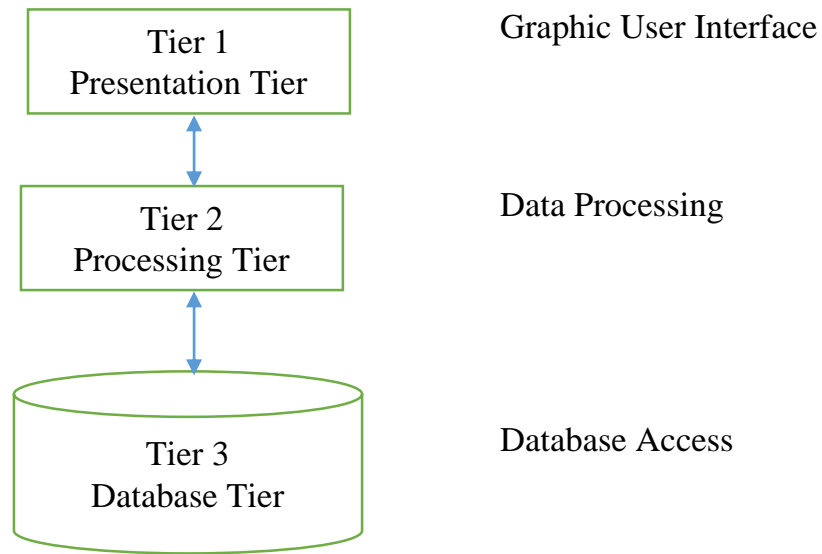
Faculty

Lê Tuấn Vũ

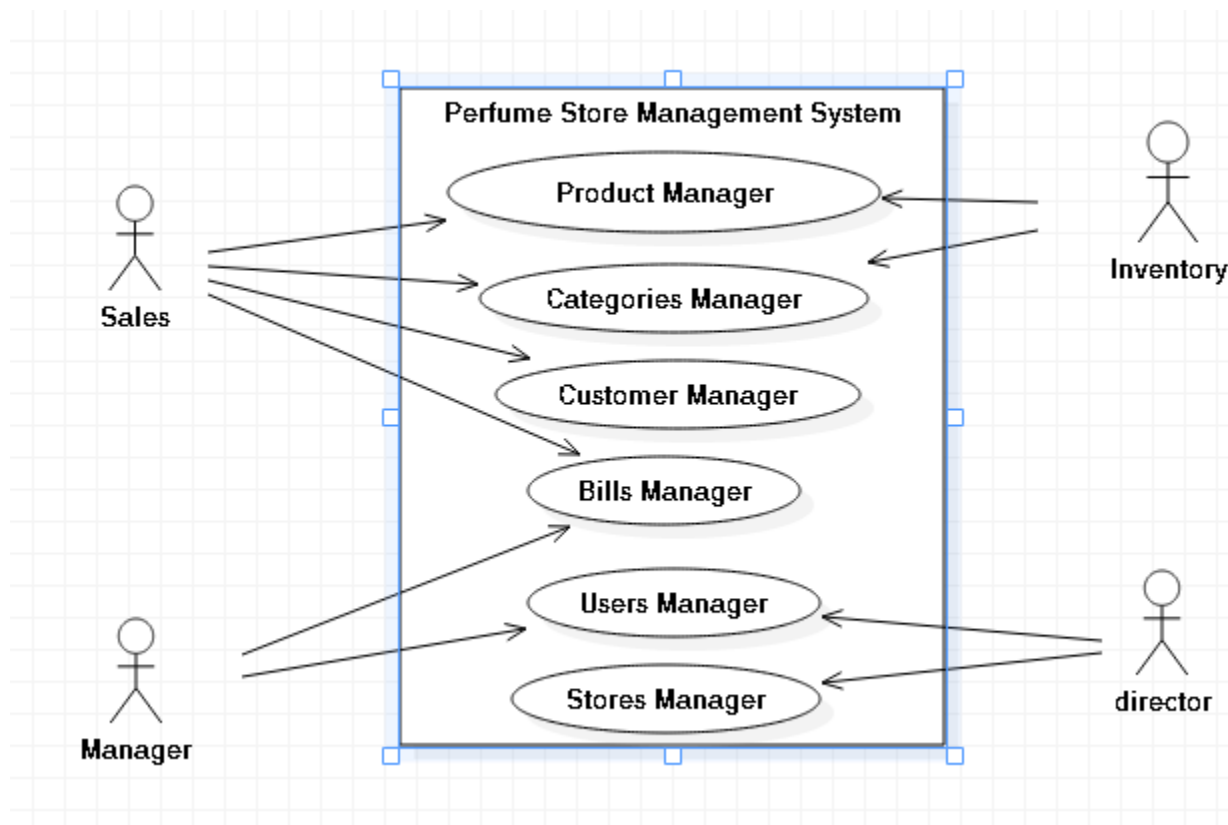
Trần Phước Sinh

Review 2

III. Architecture and Design of the Project:

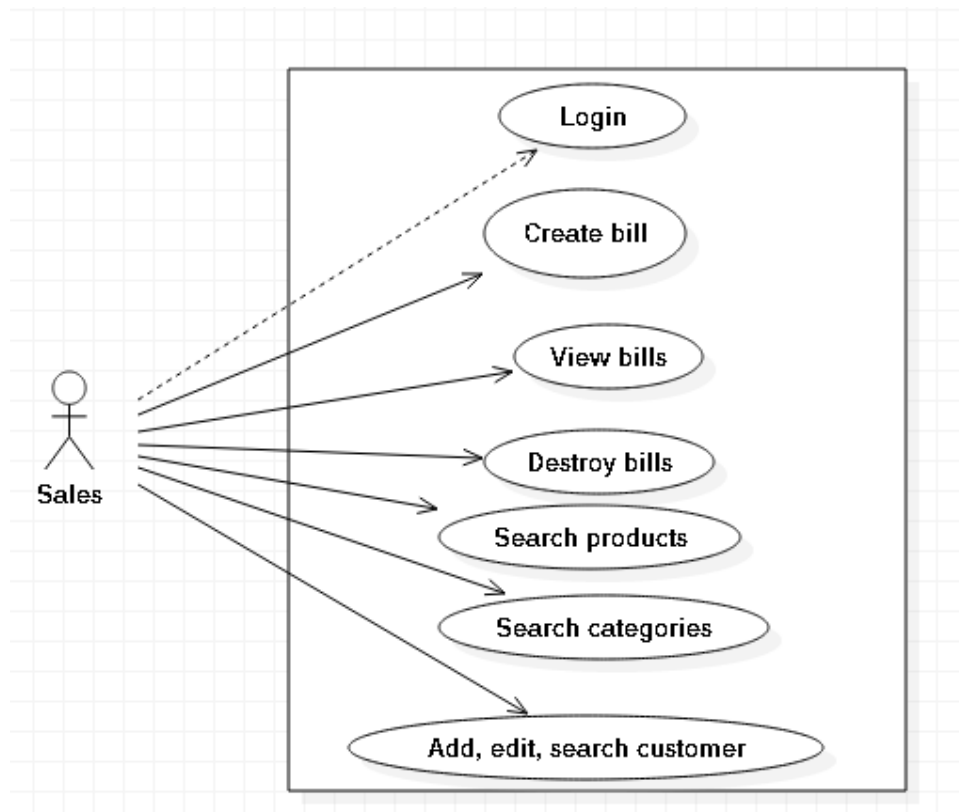


IV. User-Case Diagram:

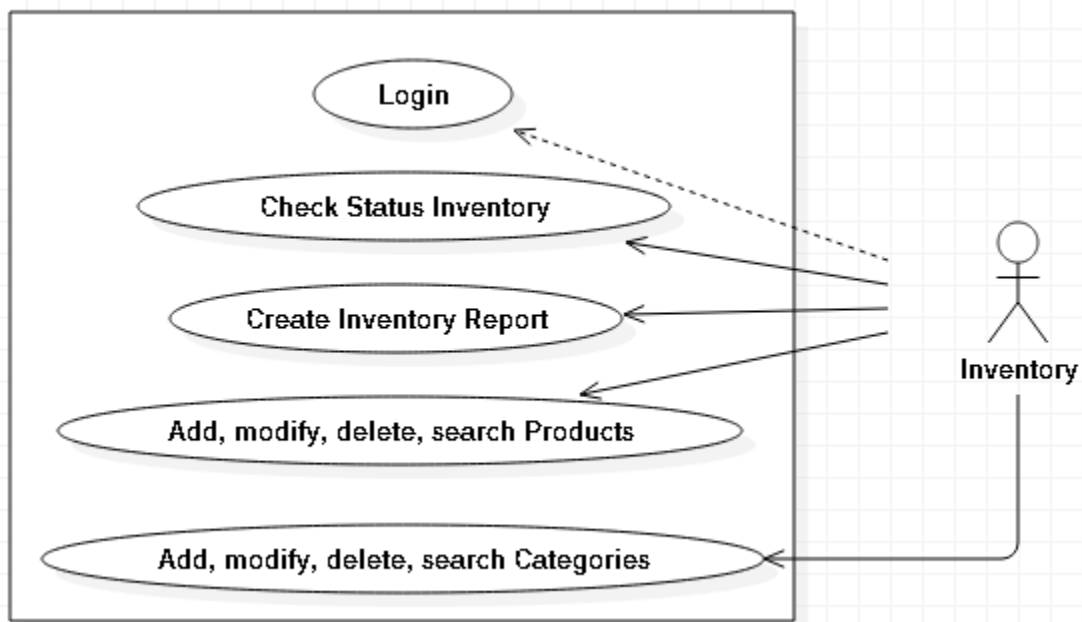


Project: Perfume Store Management System

- Sales:

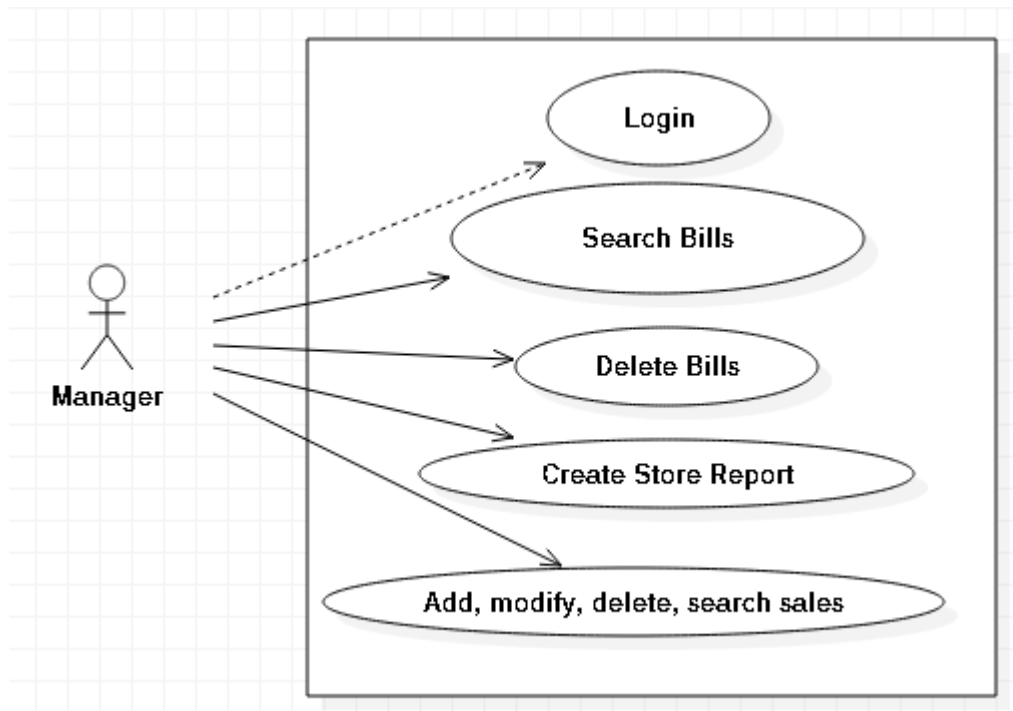


- Inventory:

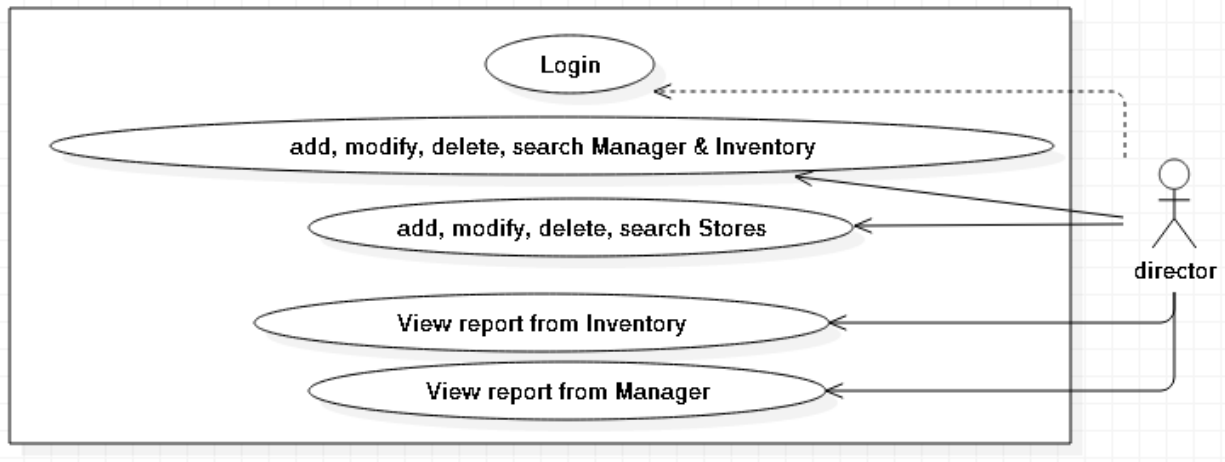


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- Manager:

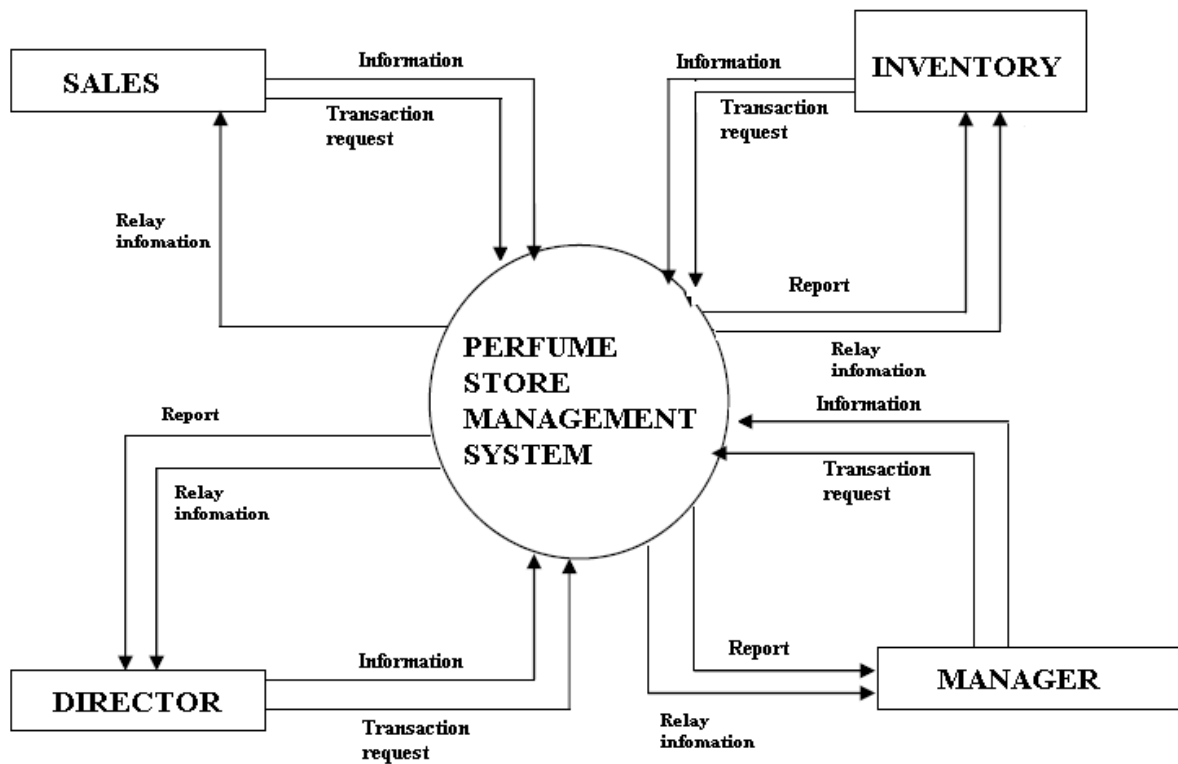


- Director

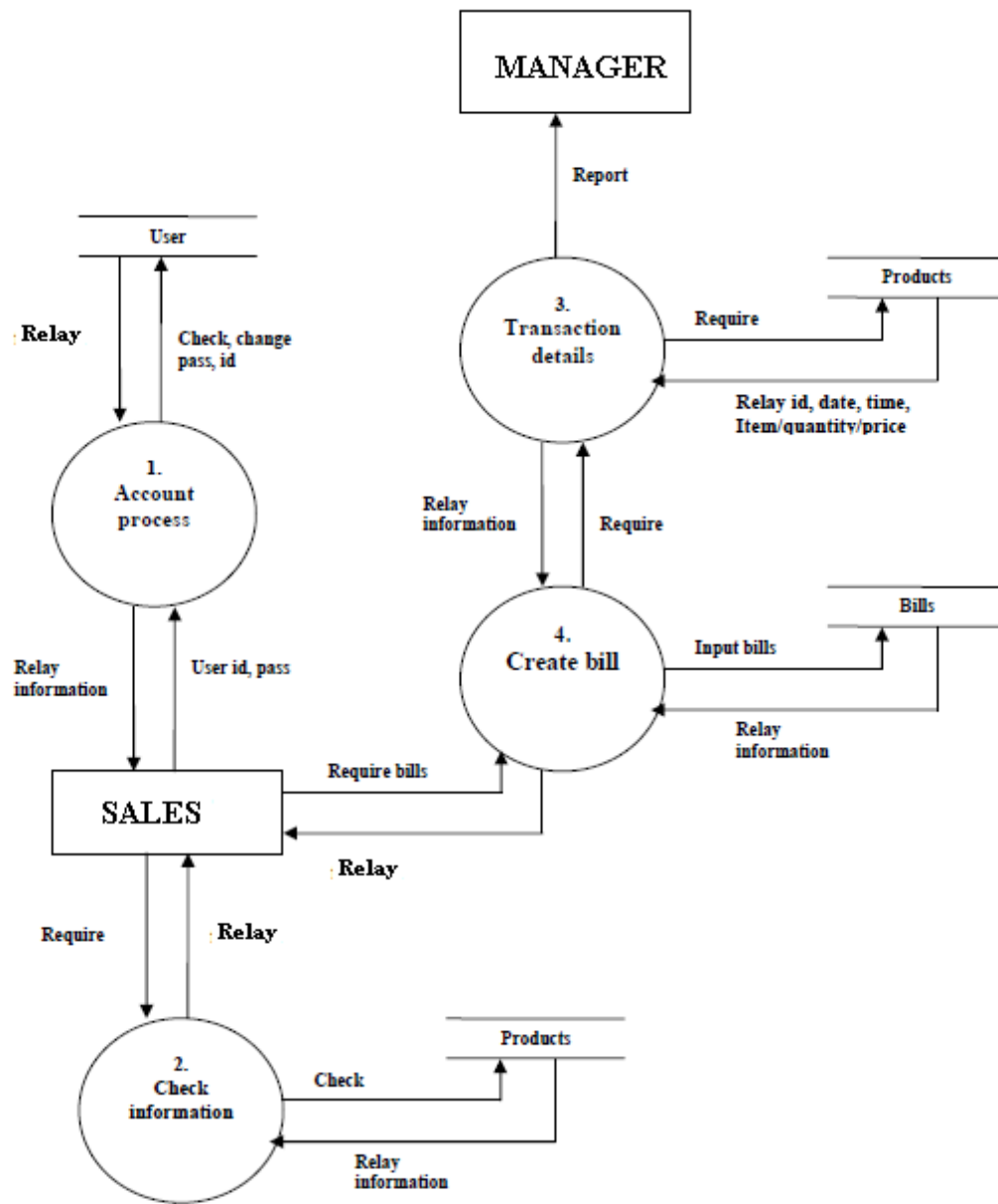


V. DFD Diagram:

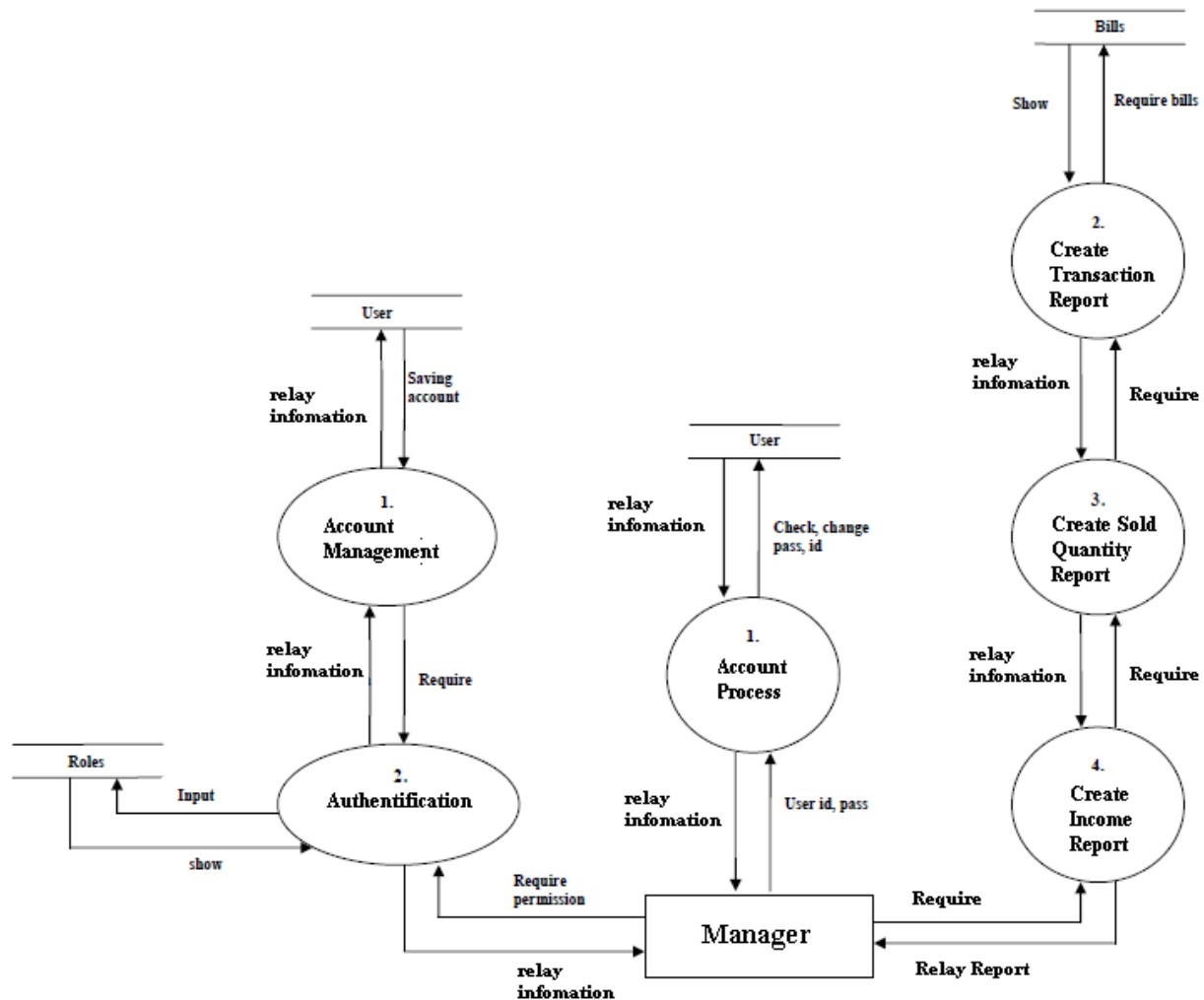
1. Level 0:



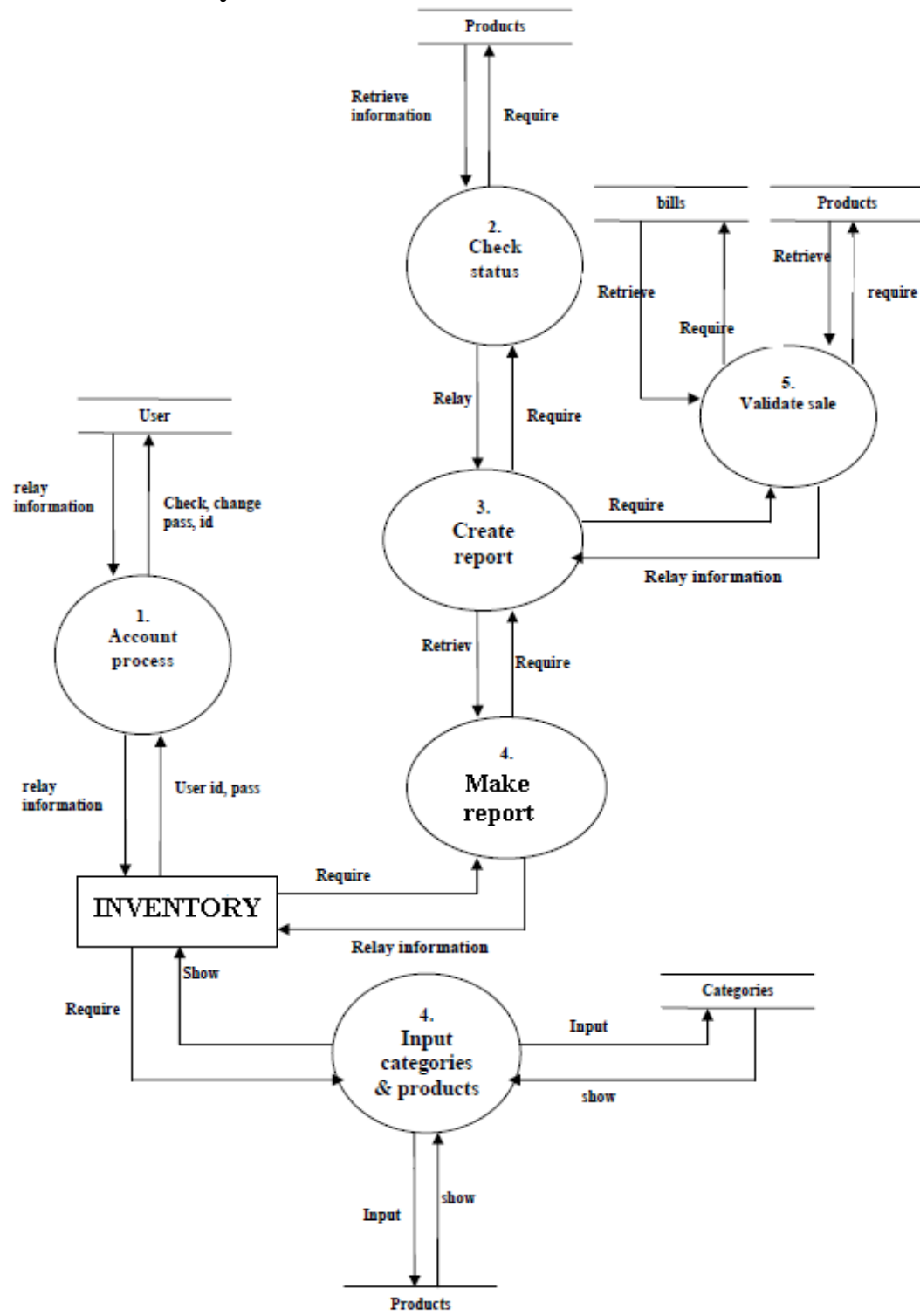
2. DFD level 1 for sales:



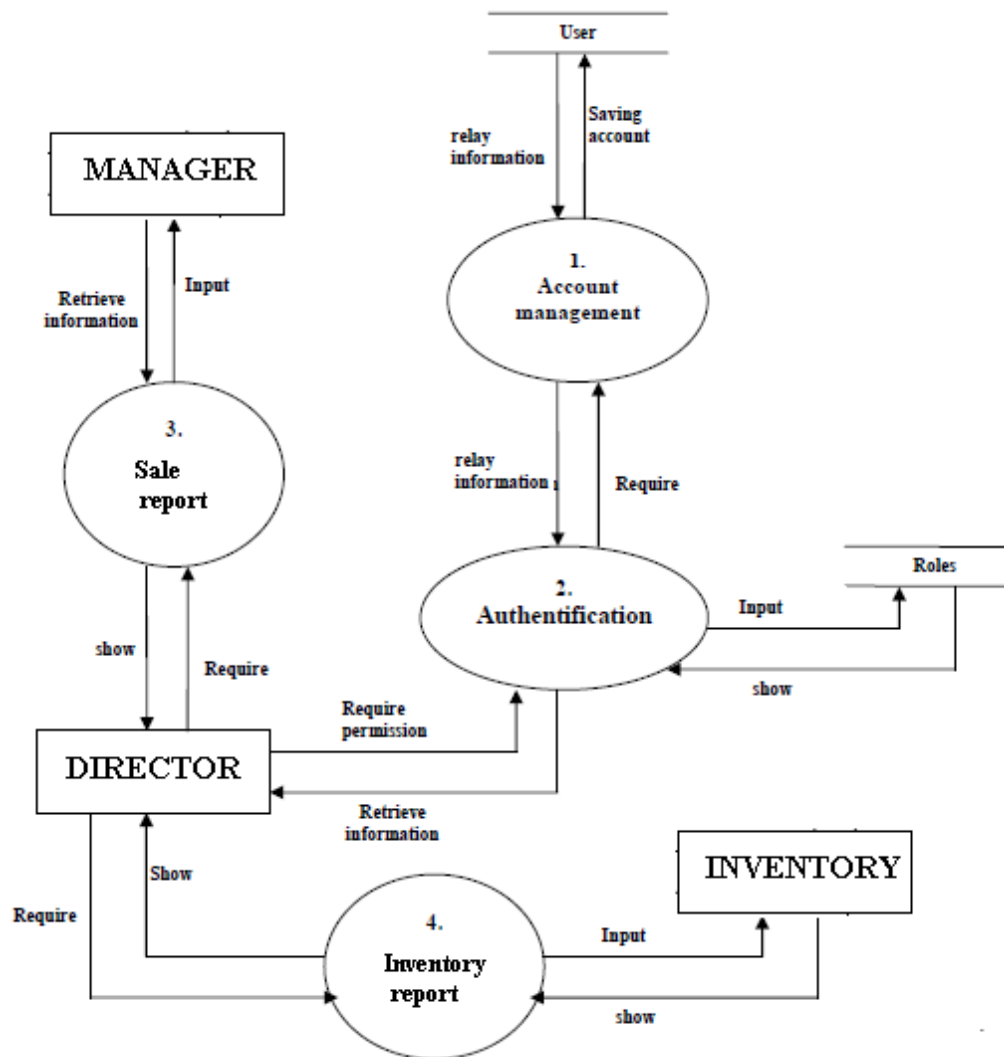
- DFD level 1 for manager:



- DFD level 1 for inventory.

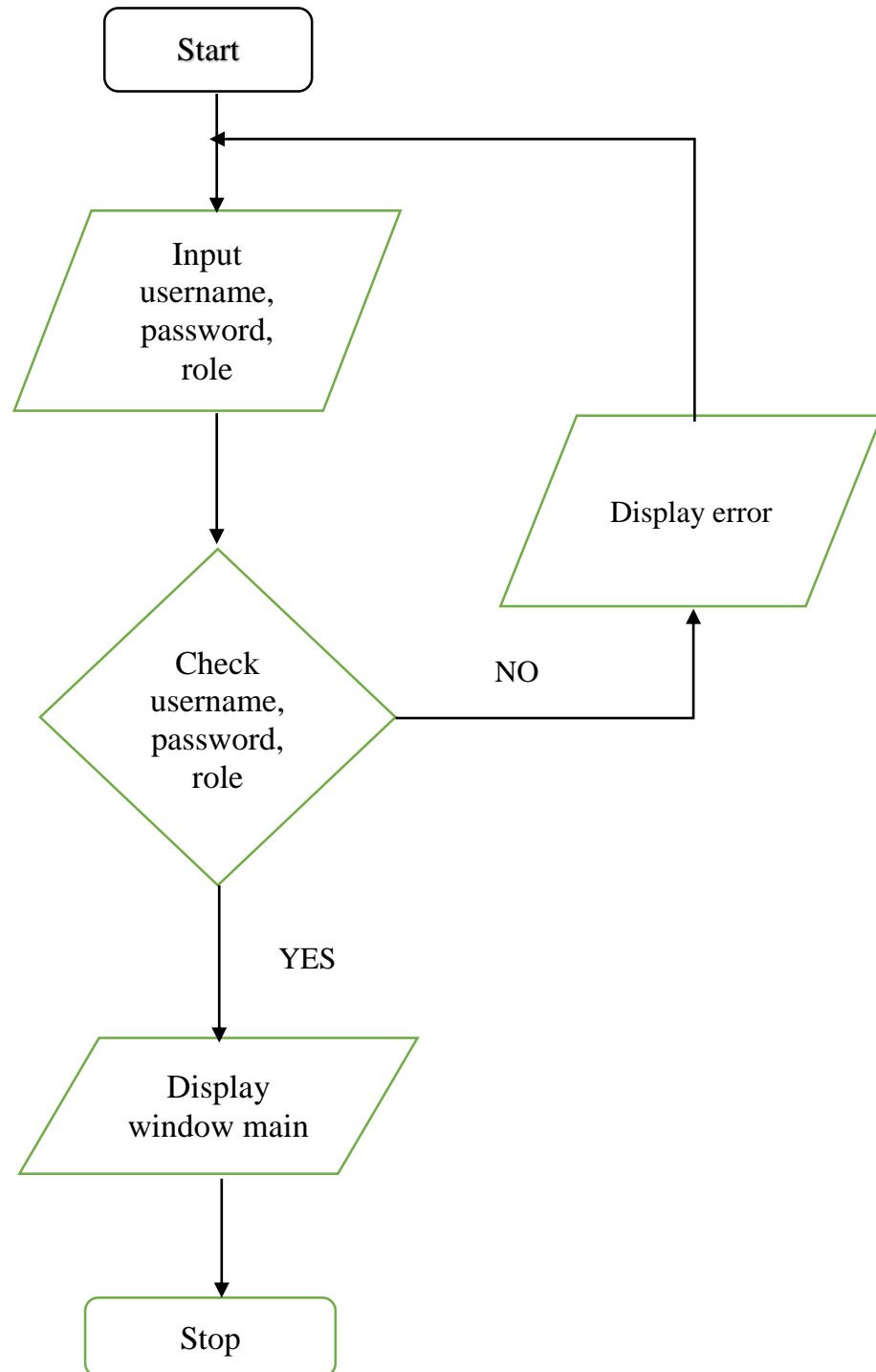


- DFD level 1 for director

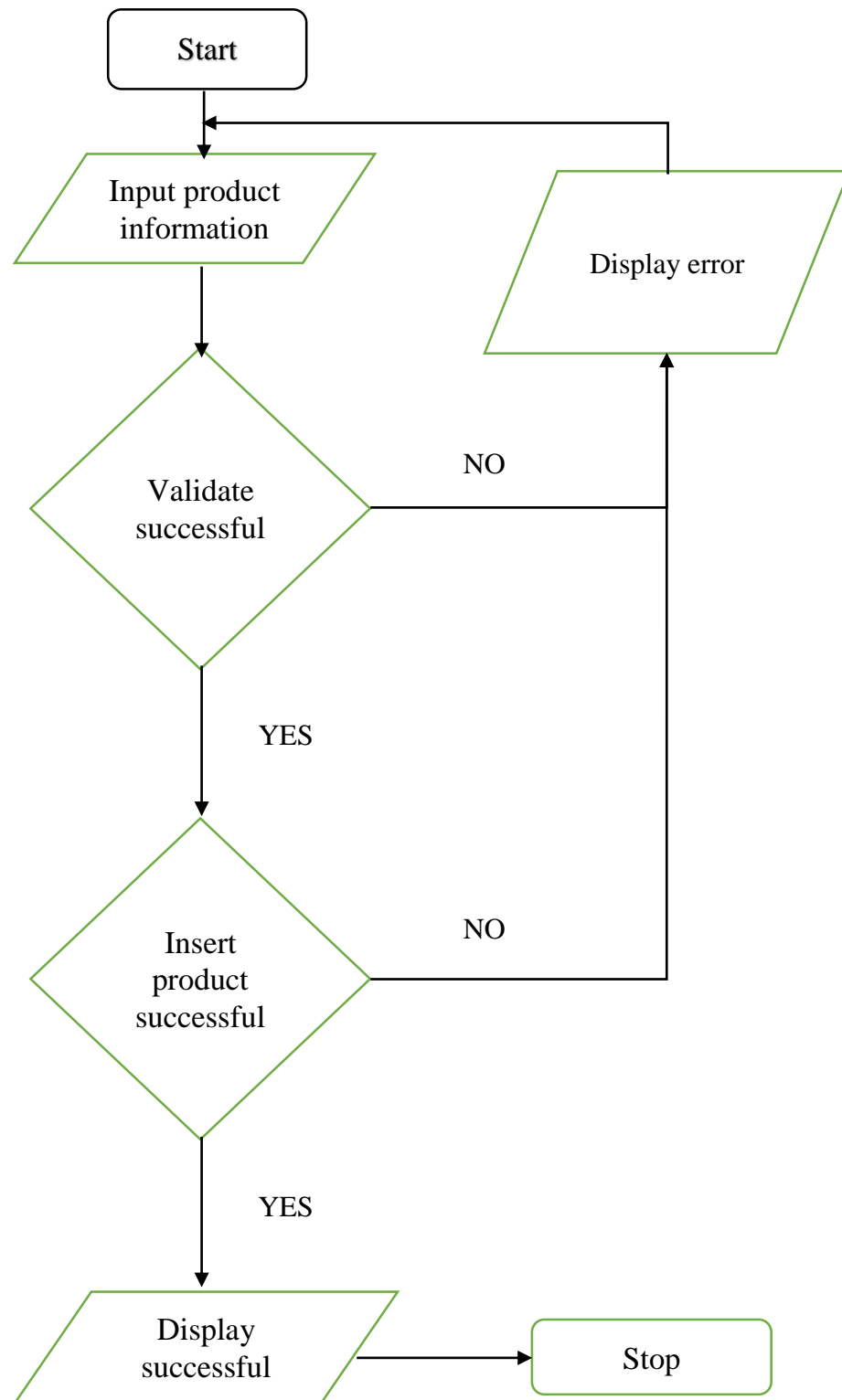


VI. Flowcharts Diagram:

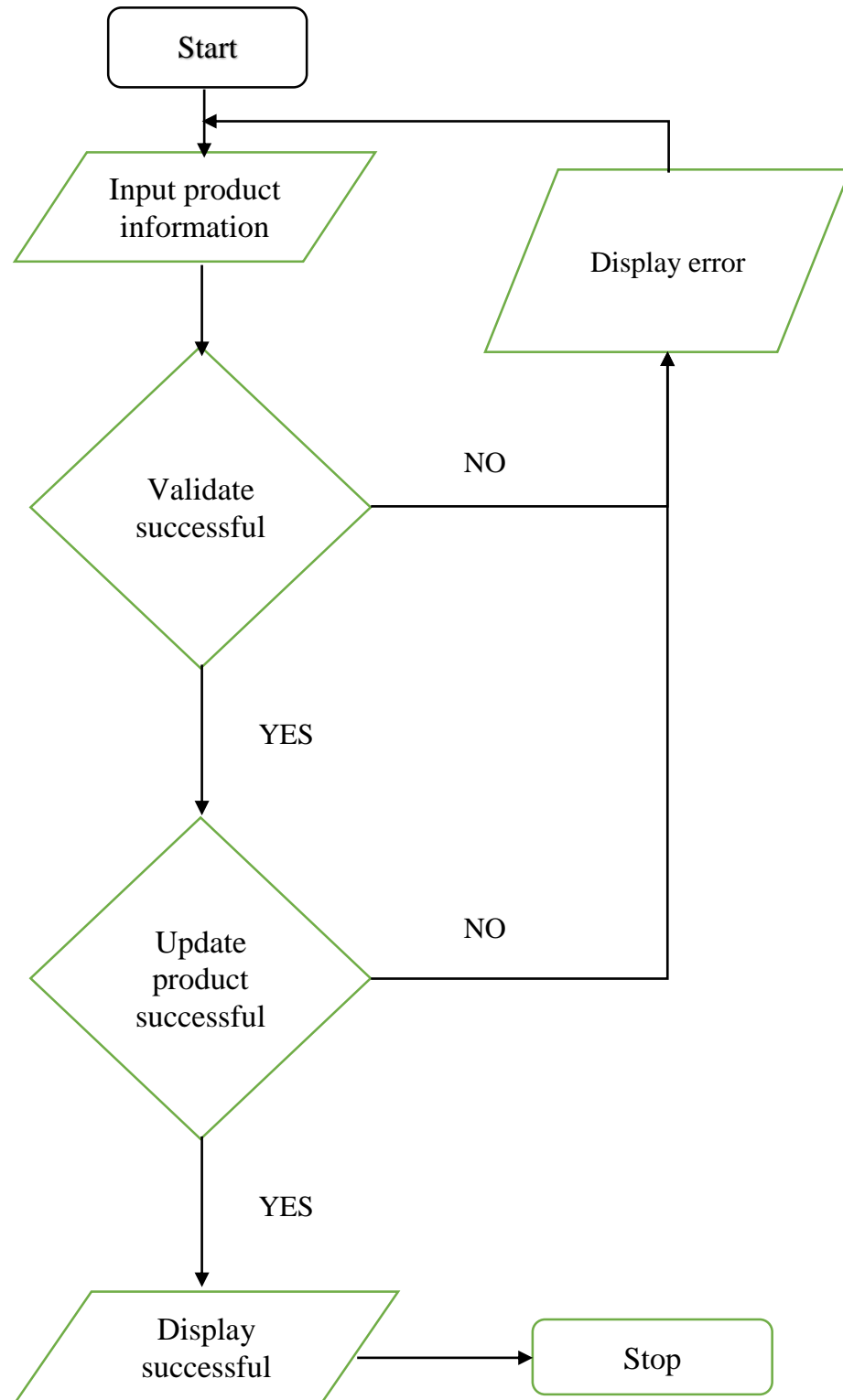
1. Flowchart login:



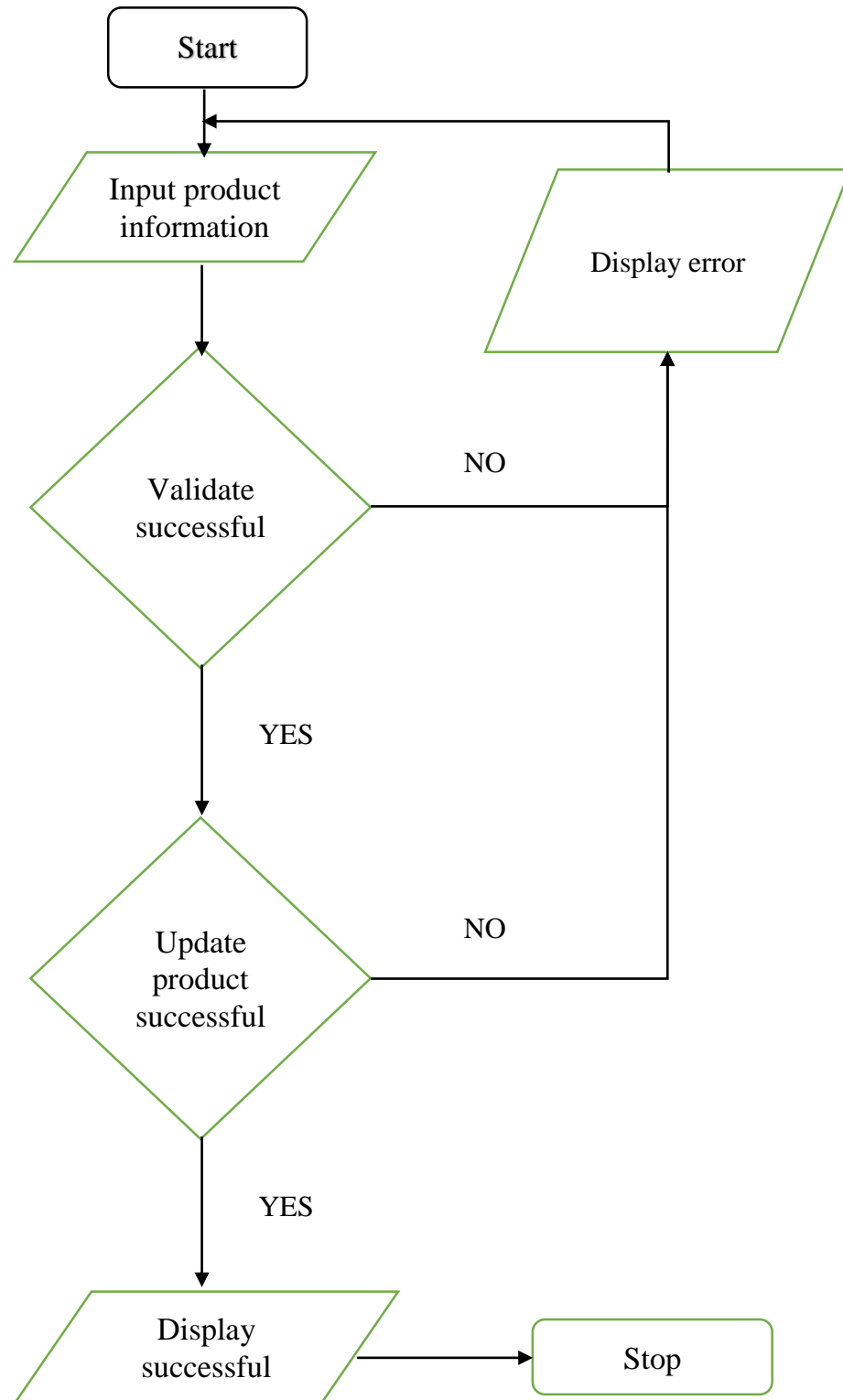
2. Flowchart add new a product:



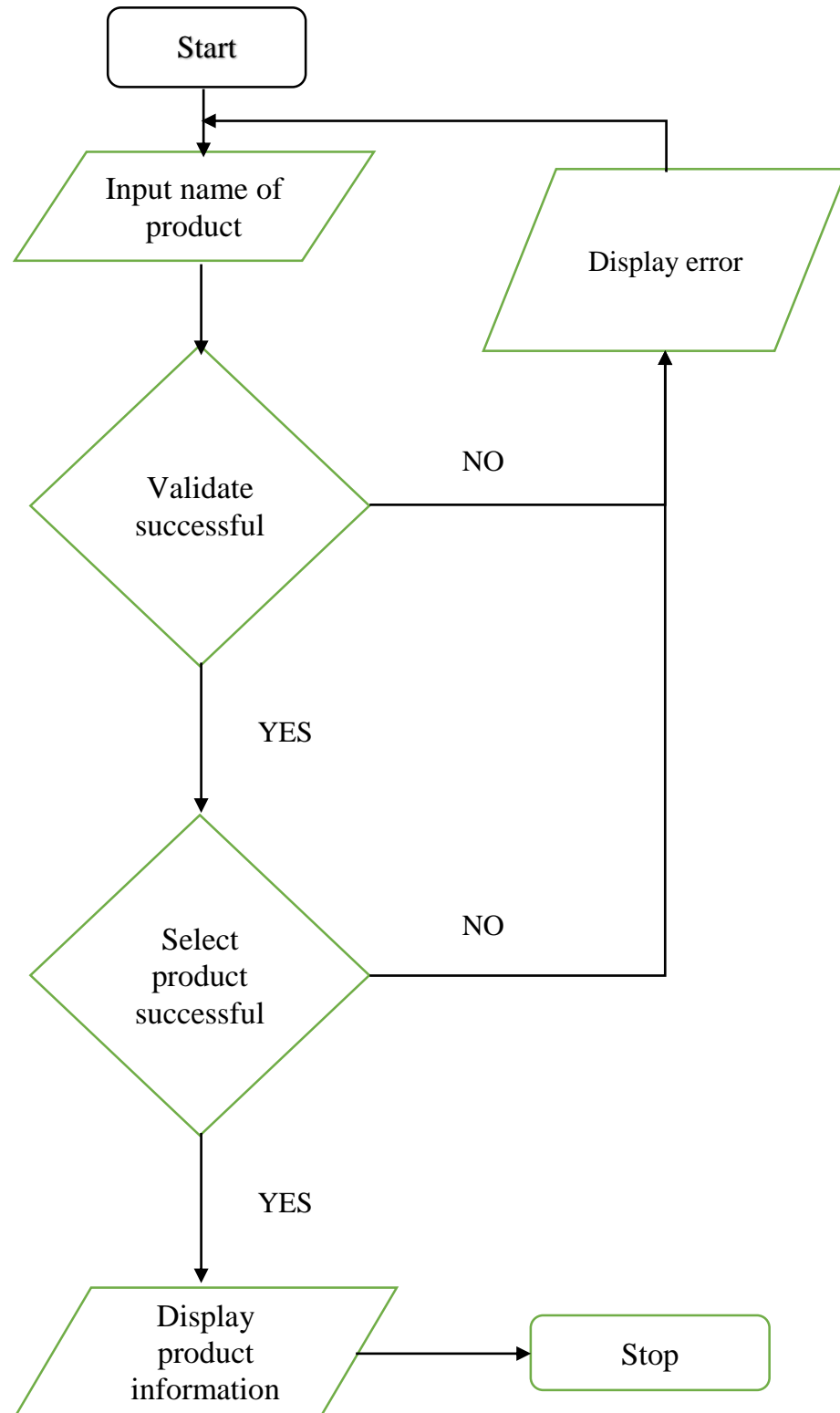
3. Flowchart edit a product:



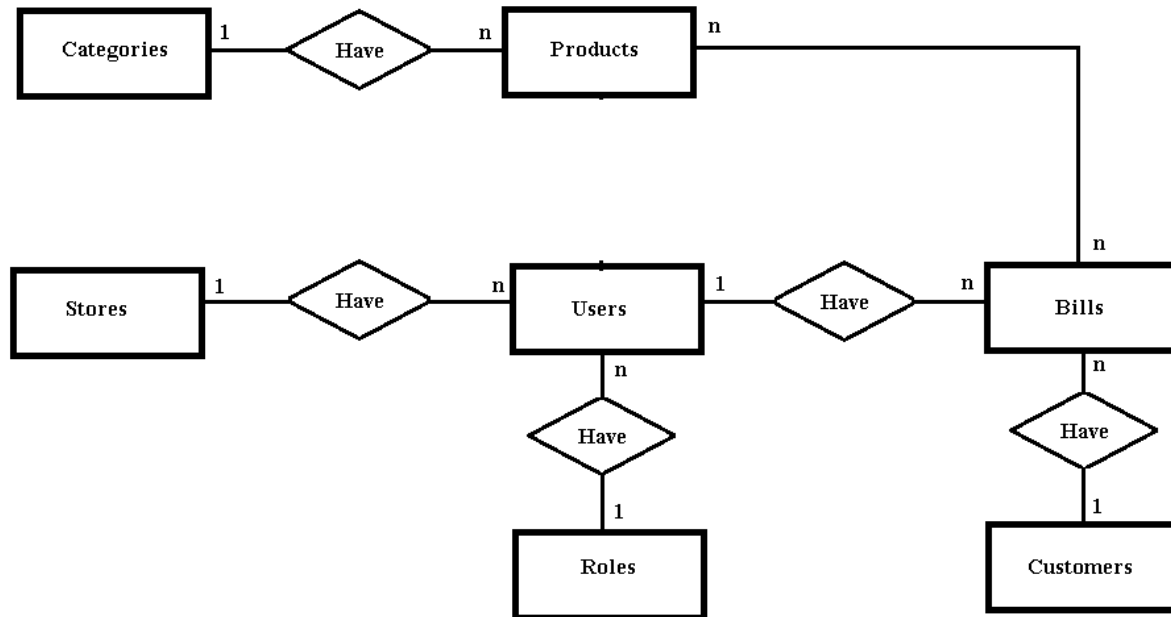
4. Flowchart delete a product:



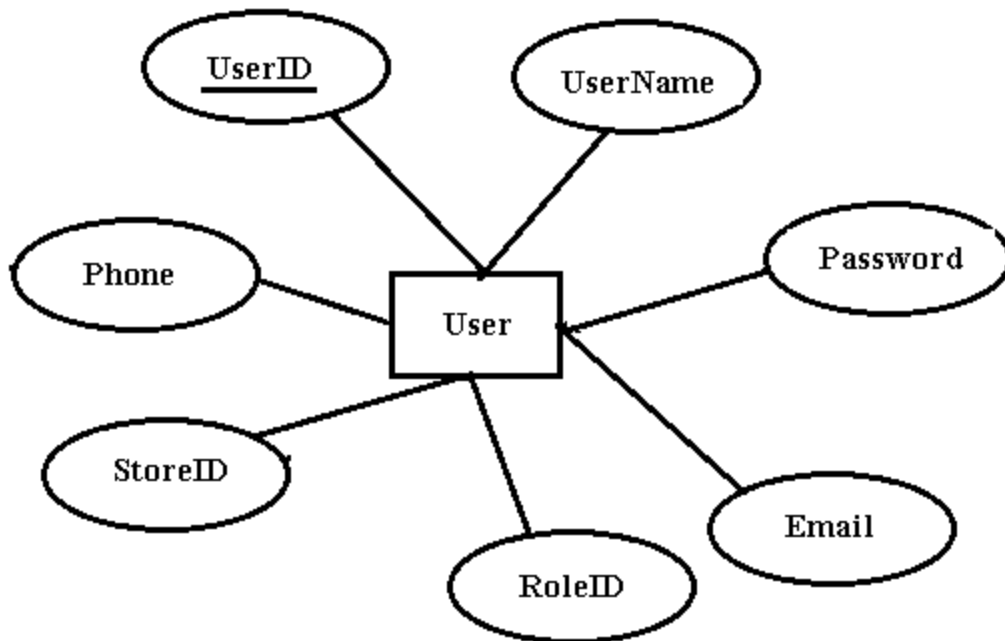
5. Flowchart search:



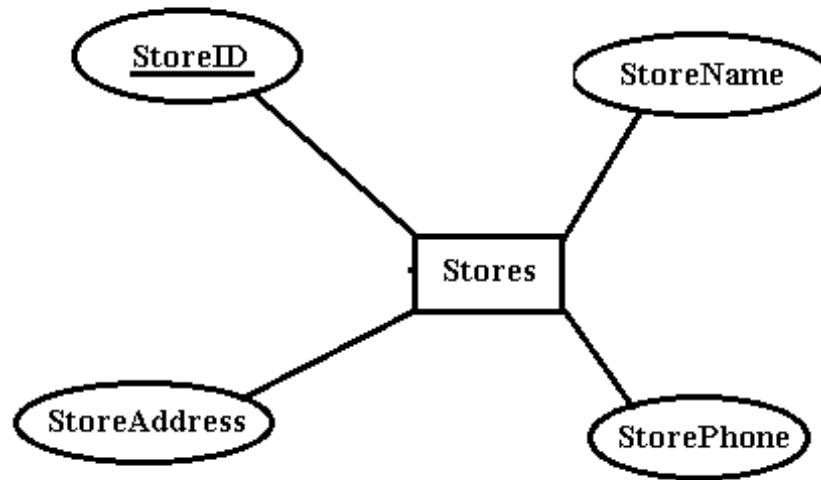
VII. ERD Diagram.



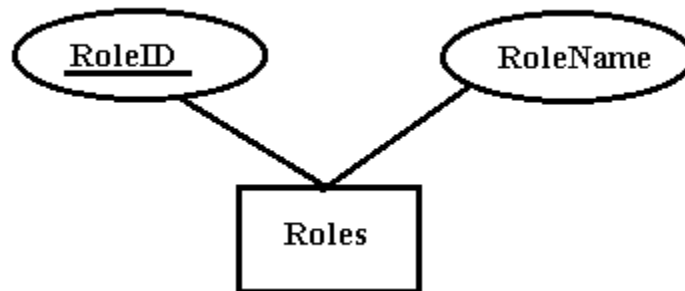
1. Users



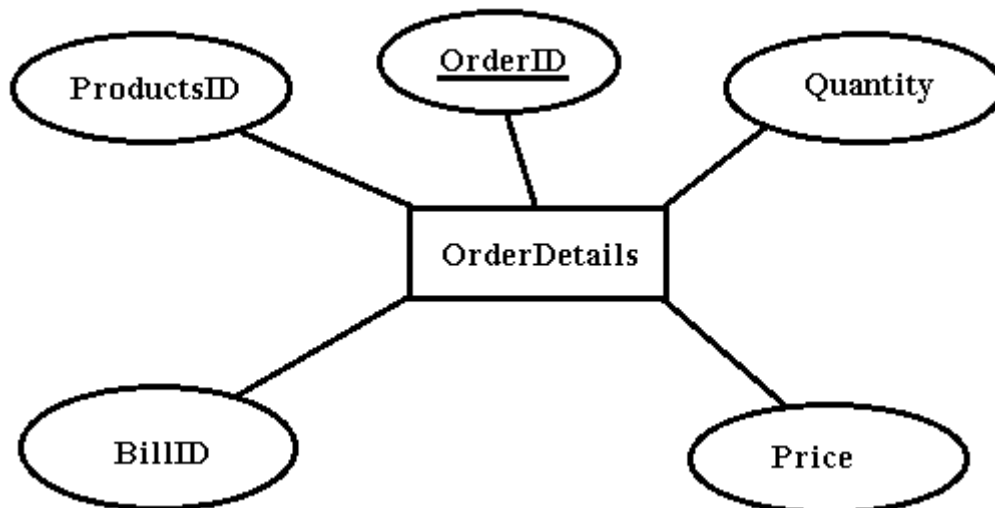
2. Stores



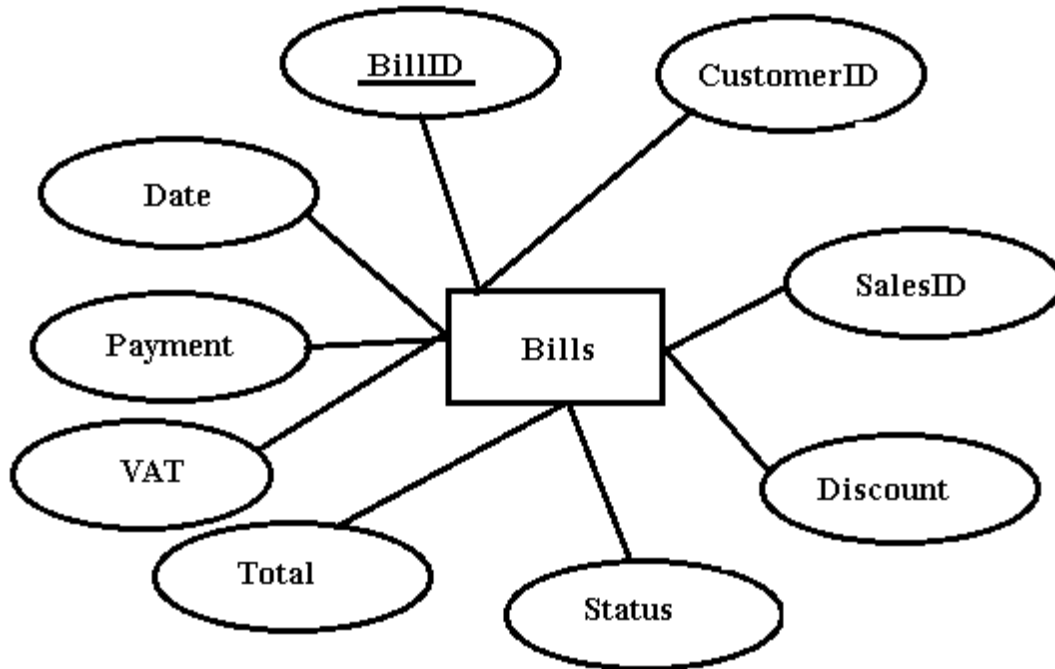
3. Roles



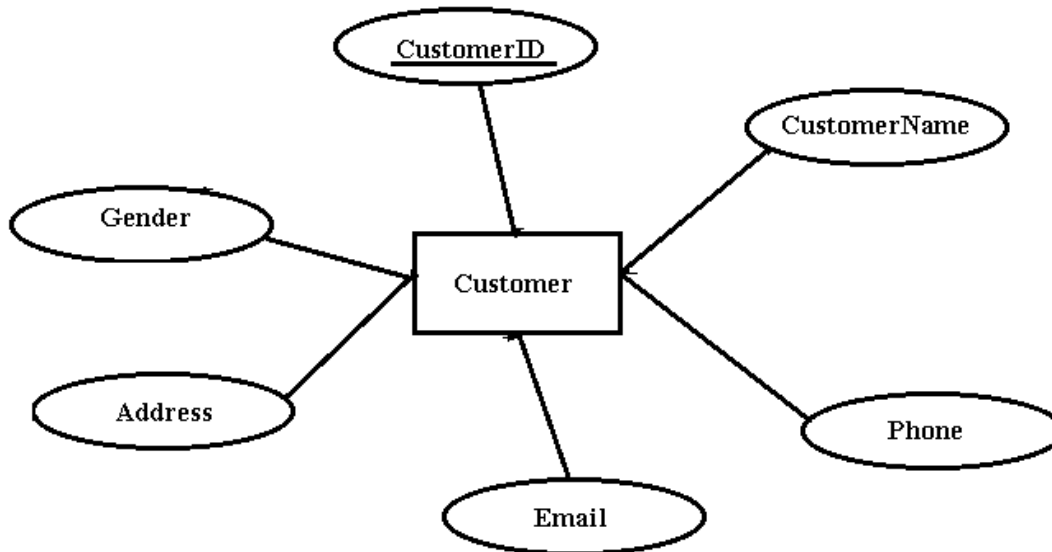
4. OrderDetails



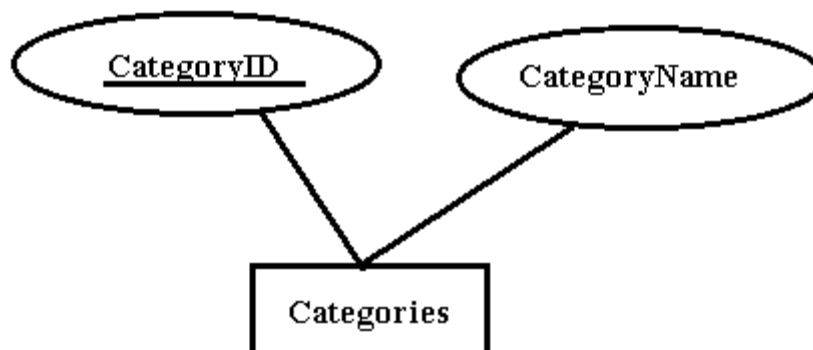
5. Bills



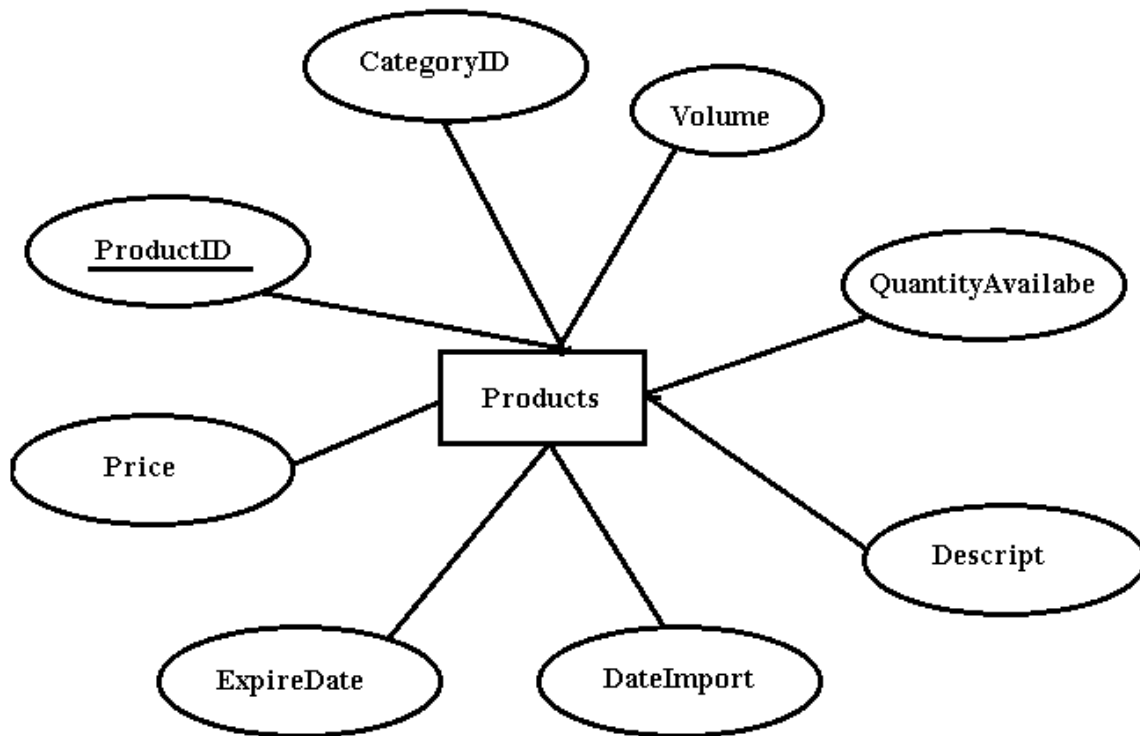
6. Customers



7. Categories



8. Products



Project: Perfume Store Management System

Review 2 – Task Sheet

Project Ref. No:		Project Title	Date of Preparation of Activity Plan			
Sr. No.	Task		Actual Start Date	Actual Days	Team Member Name	Status
1	Architecture	Perfume Store Management System	24/1/2018	7	All member	Complete
2	User-Case					
3	Algorithms					
4	DFD Diagrams					
5	E-R Diagrams					

Activity Plan Prepare By : Group 2

Group Leader

January 29th, 2018

Faculty

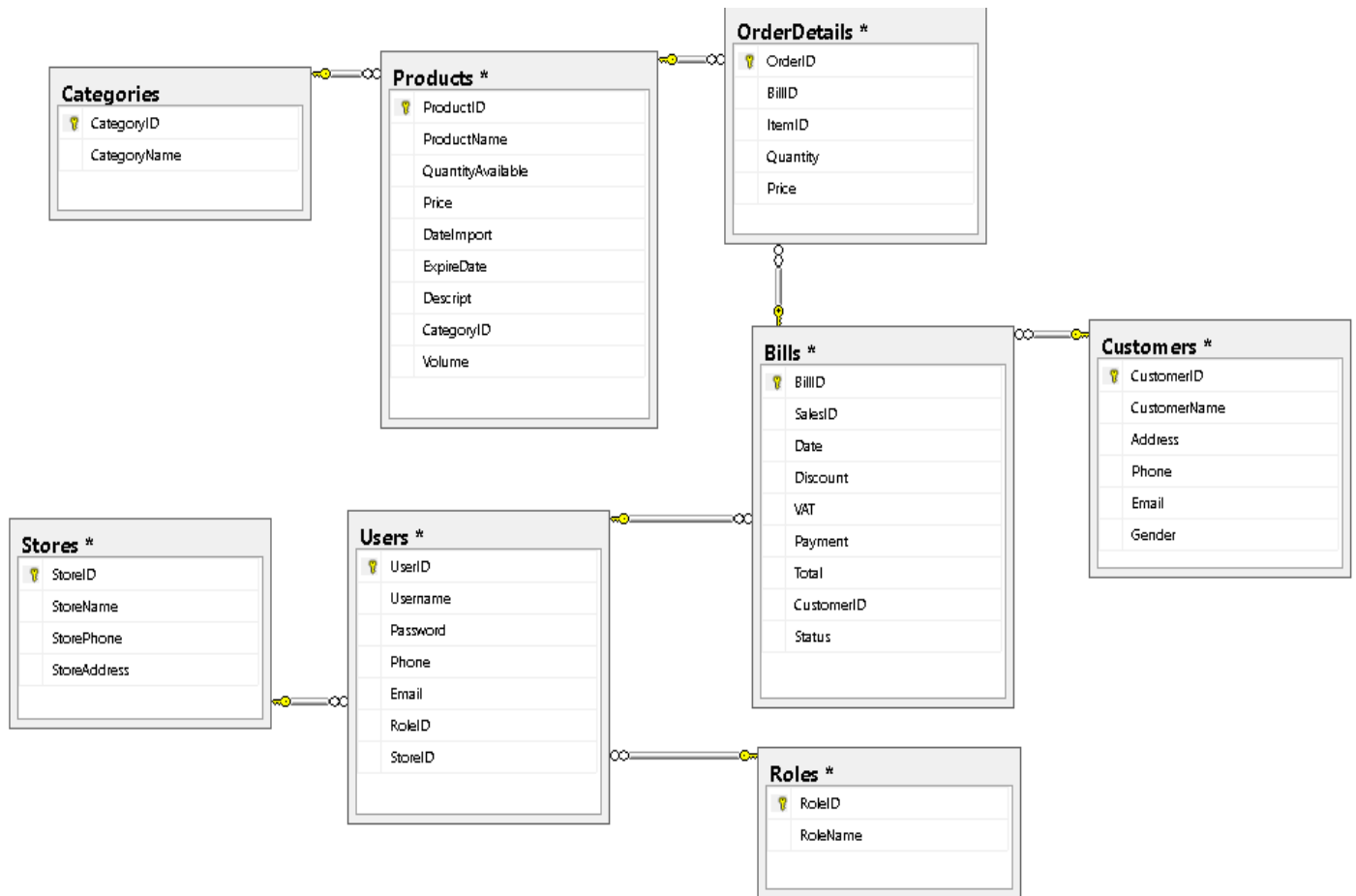
Lê Tuấn Vũ

Trần Phước Sinh

Review 3

VIII. Database Design/Structure:

1. Data diagram



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2. Tables

- Users

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
UserID	varchar	10	no		PK		Identifier of user
UserName	varchar	20	no				Username for login of user
Password	varchar	20	no				Password for login user
Phone	varchar	20	yes				Phone number of user
Email	varchar	20	yes				Email of user
RoleID	varchar	10	no		FK	Roles.RoleID	Role ID of user
StoreID	varchar	10	no		FK	Stores.StoreID	ID of Store

- Roles

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
RoleID	varchar	10	No		PK		Role ID of user
RoleName	varchar	20	No				Role Name of user

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- Categories

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
CategoryID	varchar	10	No		PK		ID of Category
CategoryName	nvarchar	50	No				Name of the Category

- Products

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
ProductID	varchar	10	No		PK		ID of the Products
ProductName	nvarchar	50	No				Name of the Products
QuantityAvailable	int		No	0			Quantity of Products
Price	int		No	0			Price of Products
DateImport	datetime		Yes				Date import of Products
Descript	varchar	50	Yes				Descript of Products
CategoryID	varchar	10	No		FK	Categories. CategoryID	Category ID of Products
ExpireDate	datetime		Yes				Expire Date of Products

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Volume	int		No	0			Volume of Products
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- Customer

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
CustomerID	varchar	10	No		PK		ID of Customer
CustomerName	nvarchar	50	No				Name of Customer
Address	nvarchar	50	Yes				Address of Customer
Phone	varchar	20	Yes				Phone of Customer
Email	varchar	20	Yes				Email of Customer
Gender	varchar	10	Yes				Gender of Customer

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- Bills

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
BillID	varchar	10	No		PK		ID of Bill
SalesID	varchar	10	No		FK	Users.UserID	ID of sales create Bill
Date	datetime		No				Date create Bill
Discount	int		Yes	0			Discount of Bill
VAT	int		Yes	10			VAT of Bill
Payment	varchar	10	No				Payment of Bill
Total	int		No	0			Total money of Bill
CustomerID	varchar	10	No		FK	Customers.CustomerID	ID of Customer
Status	bit		No	True			Status of Bill

- OrderDetails

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
OrderID	varchar	10	No		PK		ID of Order
BillID	varchar	10	No		FK	Bills.BillID	ID of Bill

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ProductID	varchar	10	No		FK	Products.ProductsID	ID of Product
Quantity	int		No	0			Quantity product of Bill
Price	int		No	0			Price of Bill

- Stores

Field Name	Data Type	Size	Null	Default	Key	Table field ref	Description
StoreID	varchar	10	No		PK		ID of Store
StoreName	nvarchar	50	No				Name of Store
StorePhone	varchar	20	Yes				Phone of Store
StoreAddress	nvarchar	50	Yes				Address of Store

- IX. GUI design.
1. First Frame.
- Login.

Login System

Please enter username and password to login!!!

Username :

Password :

Permission :

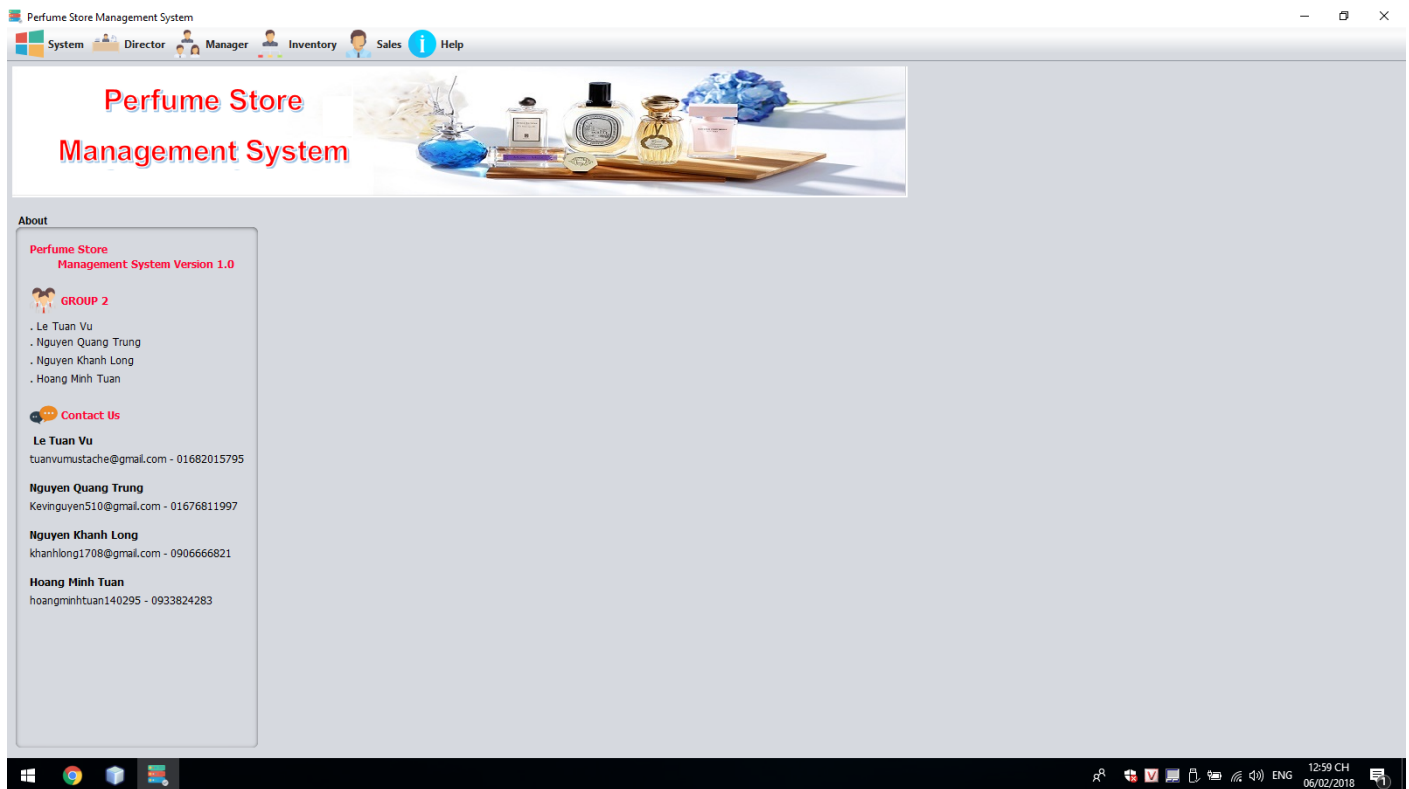
☐ Remember your password

No	Name	Type	Validation	Event	Description	Status
1	txtUsername	JTextField	Not blank		Username to login	Enable
2	txtPassword	JPasswordField	Not blank		Password to login	Enable
3	cbbRole	JComboBox			System have 4 roles: + Director. + Manager. + Inventory. + Sales	Enable

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4	chkRemember	JCheckBox			System remember username & password	Enable
5	btnLogon	JButton		Action Performed	If information login are valid, Login to Main Frame	Enable
6	btnExit			Action Performed	Close this form	Enable

• Main



2. Inventory

- **Inventory Manager**

Inventory Management

Inventory Status

Total categories : Product transtract previous day : Valid :

Total products : Quantity of Sold Products previous day :

Products available : Expiry date of the product :

Input Items

Quantity update :

Products not available :

Name Table :

No	Name	Type	Validation	Event	Description	Status
1	txtTotalCate	JTextField			Quantity of categories	Disable
2	txtTotalProduct	JTextField			Quantity of products	Disable
3	txtProductAvalabe	JTextField			Quantity of Product available	Disable

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4	txtProductTranstract	JTextField			Quantity of Product not available	Disable
5	txtSoldQuantity	JTextField			Quantity of Sold Product	Disable
6	txtExpireDate	JTextField			Quantity of Expire Product	Disable
7	btnSoldQuantity	JButton		Action Performed	View Table Sold Product list	Enable
8	btnExpireDate	JButton		Action Performed	View Table Expire Product list	Enable
9	txtQuantityUpdate	JTextField	Quantity > 0		Quantity user want update for product	Enable
10	txtProductTranstract	JTextField			Quantity of Transfer Product	Disable
11	btnQuantityUpdate	JButton		Action Performed	Update quantity for product	Enable
12	btnProductNAvailabe	JButton		Action Performed	View Table Product not available list	Disable
13	tableInventory	JLabel			Table Inventory	

- Categories.

Management Categories/Products

Categories Management

Category ID : 1

Category Name : 2

3 Add 4 Edit 5 Delete 6 Search

7

No	Name	Type	Validation	Event	Description	Status
1	txtCategoryID	JTextField			ID of Category	Disable
2	txtCategoryName	JTextField	no blank		Name of Category	Enable
3	btnAdd	JButton		Action Performed	If input valid, SQL will add new category	Enable
4	btnEdit	JButton		Action Performed	If input valid, SQL will update this category	Enable

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5	btnDelete	JButton		Action Performed	If input valid, SQL will delete this category	Enable
6	btnSearch	JButton		Action Performed	If input valid, show table category list with input name.	Enable
7	tableCategories	JTable			Show category list	Enable

- Products**

The screenshot shows the 'Products Management' window. It features a form with the following fields and controls:

- Information Section:**
 - ID: (labeled 1)
 - Name: (labeled 2)
 - Volume: (labeled 3)
 - Price: (labeled 4)
 - Expired date: (labeled 5)
 - Quantity: (labeled 6)
 - Category: (labeled 7)
 - Description: (labeled 8)
- Buttons:**
 - Add (labeled 9)
 - Edit (labeled 10)
 - Cancel (labeled 13)
 - Delete (labeled 11)
 - Search (labeled 12)
- Table Information:**
 - A large empty box labeled 14, intended for displaying a table of products.

No	Name	Type	Validation	Event	Description	Status
----	------	------	------------	-------	-------------	--------

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1	txtProductID	JTextField			ID of Product	Disable
2	txtProductName	JTextField	not blank		Name of Product	Enable
3	txtVolume	JTextField	Volume>0		Volume of Product	Enable
4	txtPrice	JTextField	Price>0		Price of Product	Enable
5	txtExpireDate	JTextField	MM/DD/YY		Expire Date of Product	Enable
6	txtQuantity	JTextField	Quantity>0		Quantity of Product	Enable
7	cbbCategory	JComboBox			Category of Product	Enable
8	txtDescription	JTextArea			Description of Product	Enable
9	btnAdd	JButton		Action Performed	If input valid, SQL will add new product	Enable
10	btnEdit	JButton		Action Performed	If input valid, SQL will update this product	Enable
11	btnDelete	JButton		Action Performed	If input valid, SQL will delete this product	Enable

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12	btnSearch	JButton		Action Performed	If input valid, show table product list with input name.	Enable
13	btnCancel	JButton		Action Performed	Refresh all textfield	Enable
14	tableProduct	JTable			Show product list	

3. Sales.

- Order.

Customer ID : 1 3 Discount(%) : 4

VAT : 2% Payment : 5

Order Details

Product ID : 6 7 Quantity : 8 9 10

11

12 13 Total : 0\$

Project: Perfume Store Management System

No	Name	Type	Validation	Event	Description	Status
1	txtCustomerID	JTextField	not blank		ID of Customer	Disable
2	txtVAT	JTextField	VAT>=10		VAT of Bill	Enable
3	btnBrowserCus	JButton	not blank	Action Performed	Show Customer list	Enable
4	txtDiscount	JTextField	0 <= Discount <= 20		Discount of Bill	Enable
5	cbbPayment	JComboBox			Payment of Bill	Enable
6	txtProductID	JTextField	not blank		ID of Product	Disable
7	btnBrowserProd	JButton		Action Performed	Show list of product	Enable
8	txtQuantity	JTextField	Quantity>0		Quantity of Product	Enable
9	btnOrder	JButton		Action Performed	If input valid, Table Order add product	Enable
10	btnDelete	JButton		Action Performed	Delete a line of Order	Enable
11	tableOrder	JTable			Show Product Order list	

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12	btnCreate	JButton		Action Performed	If input valid, Create a Bill	Enable
13	btnCancel	JButton		Action Performed	Cancel Order	Enable

- Sale Bill Management**

No	Name	Type	Validation	Event	Description	Status
1	txtDateFrom	JTextField	MM/DD/YY		Input date want search	Disable

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					bill have date from	
2	txtCustomerID	JTextField	not blank		ID of Customer	Enable
3	txtTotal	JTextField	Total > 0		Total money of Bill	Enable
4	cbbOrder	JComboBox			Order by name of date	Enable
5	btnBrowser	JButton		Action Performed	Show Customer list	Enable
6	txtReason	JTextArea	not blank		Reason for destroy a Bill	Enable
7	btnDestroy	JButton		Action Performed	Destroy a Bill	Enable
8	btnRefresh	JButton		Action Performed	Refresh table Bill	Enable
9	tableBill	JTable			Show Bill list	
10	tableOrderDetails	JTable			Show Bill Details	

- **Customer Manager.**

The screenshot shows a window titled "Customer Management" with a "Create New Customer" form. The form has a light blue header. Below the header, there are two tabs: "Create New" (active) and "Customer Management". The form contains the following fields and controls:

- ID : (labeled 1)
- Name : (labeled 2)
- Phone : (labeled 3)
- Address : (labeled 4)
- Email : (labeled 5)
- Gender : ☐ Male ☐ Female (labeled 6)
- Buttons: (labeled 7), (labeled 9), (labeled 10)
- Table Information section (labeled 11) containing a large empty table area.

No	Name	Type	Validation	Event	Description	Status
1	txtCustomerID	JTextField			ID of Customer	Disable
2	txtCustomerName	JTextField	not blank		Name of Customer	Enable
3	txtPhone	JTextField	11 Integer		Phone of Customer	Enable
4	txtAddress	JTextField			Address of Customer	Enable
5	txtEmail	JButton	Email format	Action Performed	Email of Customer	Enable

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6	chkGender	JRadioButton			Gender of Customer	Enable
7	btnAdd	JButton		Action Performed	If input valid, SQL will add new Customer	Enable
9	btnCancel	JButton		Action Performed	Reset all testfield	Enable
10	btnRefresh	JButton		Action Performed	Refresh table Customer.	Enable
11	tableCustomer	JTable			Show Customer list	

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- Customer Management.

Customer Management

Create New Customer Management

Customer Management

SearchCustomer

Customer ID :

Customer Name :

Update Information

ID : Address :

Name : Email :

Phone : Gender : ☐ Male ☒ Female

Table Information

No	Name	Type	Validation	Event	Description	Status
1	txtCustomerID	JTextField			ID of Customer	Disable
2	txtCustomerName	JTextField			Name of Customer	Enable
3	btnSearch	JButton		Action Performed	If input valid, show table customer information	Enable

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4	txtID	TextField			table Customer list	Disable
5	txtName	TextField	not blank		Name of Customer	Disable
6	txtPhone	TextField	11 Integer		Phone of Customer	Disable
7	txtAddress	TextArea			Address of Customer	Disable
8	txtEmail	TextField	Email format		Email of Customer	Disable
9	chkGender	JRadioButton			Gender of Customer	Disable
10	btnEdit	JButton		Action Performed	If input valid, system will update information of Customer	Enable
11	btnCancel	JButton		Action Performed	Reset all textfield	Enable
12	btnDelete	JButton		Action Performed	If input valid, system will delete customer	Enable
13	tableCustomer	JTable			Show customers list with information	

- Search Products

The screenshot shows a Java Swing window titled "Search Products". It features a cyan header bar with the title. Below the header, there are four input fields: "Products ID" (labeled 1), "Price" (labeled 3), "Product Name" (labeled 2), and "Category" (labeled 4, which is a dropdown menu currently showing "All"). A "Refresh" button with a circular arrow icon (labeled 5) is positioned below the input fields. The main content area (labeled 6) is a large, empty rectangular box.

No	Name	Type	Validation	Event	Description	Status
1	txtProductID	JTextField	not blank		ID of Product	Disable
2	txtProductName	JTextField	not blank		Name of Product	Enable
3	txtPrice	JTextField	Price>0		Price of Product	Enable
4	cbbCategory	JComboBox			Category of Product	Enable

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5	btnRefresh	JButton		Action Performed	If input valid, show table product list	Enable
6	tableProduct	JTable			Table Product list	Enable

4. Manager

- Create New Sale.

The screenshot shows a Java Swing window titled "Management Sales". It features a toolbar with two buttons: "Create New Sale" (with a person icon) and "Management Sales" (with a group icon). The main content area has a blue header "Create New Sale". Below this is a "Form Information" section containing several input fields and controls, each labeled with a red number: Sales ID (1), Name (2), Phone (3), Email (4), Gender (radio buttons for Male and Female, labeled 5), Address (text area, labeled 6), Username (7), Password (8), Salary (9), and Store (dropdown menu, labeled 10). At the bottom of the form are two buttons: a green "+ Add" button (labeled 11) and a red "Cancel" button (labeled 12). Below the form is a "Table Information" section (labeled 13) which is currently empty.

No	Name	Type	Validation	Event	Description	Status
1	txtID	JTextField	not blank		ID of Sales	Disable
2	txtName	JTextField	not blank		Name of Sales	Enable

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3	txtPhone	JTextField	11 integer		Phone of Sales	Enable
4	txtEmail	JTextField	Email format		Email of Sales	Enable
5	chkGender	JRadioButton			Gender of Sales	Enable
6	txtAddress	JTextArea			Address of Sales	Enable
7	txtUserName	JTextField	not blank		Username of Sales	Enable
8	txtPassword	JPasswordField	not blank		Password of Sales	Enable
9	txtSalary	JTextField	Integer		Salary of Sales	Enable
10	cbbStores	JComboBox			Store of Sales	Enable
11	btnAdd	JButton		Action Performed	If input valid, system will add new sales account	Enable
12	btnCancel	JButton		Action Performed	Reset all textfield	Enable
13	tableSales	JTable			Show Sales list with information	

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- Management Sales.

Management Sales

Create New Sale Management Sales

Management Information Sale

Search Sale :

Information

Sales ID: Email: Total of Sold Bill:

Name: Store:

Phone: Salary:

Table Information

No	Name	Type	Validation	Event	Description	Status
1	txtID	JTextField	not blank		ID of Sales	Disable
2	txtName	JTextField	not blank		Name of Sales	Disable
3	txtPhone	JTextField	not blank		Phone of Sales	Disable
4	txtEmail	JTextField	Email format		Email of Sales	Disable
5	txtNameSearch	JTextField			Name of Sales	Disable

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6	btnSearch	btnSearch		Action Performed	Search sales information by name	Enable
7	txtTotalSold	JTextField				Disable
8	btnEdit	JButton		Action Performed	If input valid, system will update sales account	Enable
9	txtSalary	JTextField			Salary of Sales	Disable
10	cbbStores	JComboBox			Store of Sales	Disable
11	btnDelete	JButton		Action Performed	If input valid, system will delete sales account	Enable
12	btnCancel	JButton		Action Performed	Reset all textfield	Enable
13	tableSales	JTable			Show Sales list with information	

- **View Bill.**

Management Bill

View Bill Management Bill Cancel

View Bill

View Bill

View bills From : 1 ---> To : 2 3

Total Bills : 4

Total money of bills : 5

Total bills cancel : 6 7

8 9 10

Table Information

11

No	Name	Type	Validation	Event	Description	Status
1	txtDateFrom	TextField	DD/M/YY		input date for search	Enable
2	txtDateTo	TextField	DD/M/YY		input date for search	Enable
3	btnView	Button		Action Performed	View Bill by date	Enable
4	txtTotalBill	TextField			Total Bills	Disable

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5	txtTotalBillM	JTextField			Total money of Bills	Disable
6	txtTotalBillC	JTextField			Total Bills Canceled	Disable
7	btnViewCancel	JButton		Action Performed	View Bills Canceled list	Enable
8	btnViewAll	JButton		Action Performed	Show information of bill	Enable
9	btnReport	JButton		Action Performed	Generate report	Enable
10	btnRefresh	JButton		Action Performed	Refresh table bills	Enable
11	tableBills	JTable			Show information of bill	

Project: Perfume Store Management System

- Management Bills.

The screenshot shows a web application window titled "Management Bill". It features a navigation bar with "View Bill" and "Management Bill" buttons. The main content area is titled "Management Bill" and contains a form with the following fields and controls:

- 1: Bill ID text input field
- 2: Sale Name text input field
- 3: Date text input field
- 4: Total Money text input field
- 5: Customer Name text input field
- 6: Reason Cancel Bill text area
- 8: Delete Bill button (with a red 'X' icon)
- 9: Cancel Request button (with a red circle and slash icon)
- 10: Table Information section, which is currently empty.

No	Name	Type	Validation	Event	Description	Status
1	txtBillID	TextField			ID of Bill	Disable
2	txtSaleName	TextField			Name of Sales	Disable
3	txtDate	TextField			Date of Bill	Disable
4	txtTotalMoney	TextField			Total money	Disable

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5	txtCustomerName	JTextField			Name of Customer	Disable
6	txtReason	JTextField			Reason why sales delete a bills	Disable
8	btnDelete	JButton		Action Performed	Delete Bill by ID	Enable
9	btnCancel	JButton		Action Performed	Reset all textfield	Enable
10	tableBill					

- **Send Mail.**

The screenshot shows a window titled "Notification mail" with a cyan header bar that says "Send Mail for Salesman". The window is divided into two main sections: "Login" and "Content".

Login Section:

- 1: ID input field
- 2: Password input field
- 3: "Sign In" button with a green checkmark icon

Content Section:

- 4: "To:" input field
- 5: "Subject:" input field
- 6: "Content:" text area
- 7: "Send Mail" button with a green arrow icon
- 8: "Back" button with a green arrow icon

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N o	Name	Type	Validation n	Event	Descriptio n	Status
1	txtID	TextField	not blank		ID of mail	Enable
2	txtPassword	PasswordField	not blank		Password of mail	Enable
3	btnSignIn	Button		Action Performe d	Sign in for mail	Enable
4	txtTo	TextField	not blank		Who receive mail	Enable
5	txtSubject	TextField			Subject of mail	Enable
6	txtContent	TextField			Content of mail	Enable
7	btnSend	Button		Action Performe d	Send mail.	Enable
8	btnBack	Button		Action Performe d	Back to system	Enable

5. Director.

- Management Stores.

Create New Store

Management Store

Management

Store ID :

Store Name : Store Address :

Store Phone :

Search ID Store or Name Store :

Table Information

--	--	--	--	--	--	--

No	Name	Type	Validation	Event	Description	Status
1	txtID	JTextField			ID of Store	Diable
2	txtName	JTextField	not blank		Name of Store	Diable
3	txtPhone	JTextField	11 interger		Phone of Store	Diable

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4	txtAddress	JTextArea	not blank		Address of Store	Disable
5	btnAdd	JButton		Action Performed	If input valid, system will add new store	Enable
6	btnEdit	JButton		Action Performed	If input valid, system will edit store	Enable
7	btnCancel	JButton		Action Performed	Reset all textfield	Enable
8	btnDelete	JButton		Action Performed	If input valid, system will delete store	Enable
9	txtSearch	JTextField			Search by name or id of Store	Enable
10	btnSearch	JButton		Action Performed	Search by name or id of Store	Enable
11	tableStore				Show Store list with information	

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- **Create Manager.**

No	Name	Type	Validation	Event	Description	Status
1	txtID	JTextField	not blank		ID of Manager	Disable
2	txtName	JTextField	not blank		Name of Manager	Disable
3	txtPhone	JTextField	11 integer		Phone of Manager	Disable
4	txtEmail	JTextField	Email format		Email of Manager	Disable

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5	chkGender	JRadioButton			Gender of Manager	Disable
6	txtAddress	JTextArea			Address of Manager	Disable
7	txtUserName	JTextField	not blank		Username of Manager	Disable
8	txtPassword	JPasswordField	not blank		Password of Manager	Disable
9	txtSalary	JTextField	integer		Salary of Manager	Disable
10	cbbStores	JComboBox			Store of Manager	Disable
11	btnAdd	JButton		Action Performed	If input valid, system will add new Manager account	Enable
12	btnEdit	JButton		Action Performed	If input valid, system will add new Manager account	Enable
13	btnCancel	JButton		Action Performed	Reset all textfield	Enable
14	btnDelete	JButton		Action Performed	Delete a Manager by ID	Enable

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15	txtSearch	TextField			Search Manager by Name	Enable
16	btnSearch	JButton		Action Performed	Search Manager by Name	Enable
17	tableManager	JTable			Show Managers list with information	

• Create Inventory.

Create New Manager and Inventory

New Manager New Inventory

Management Inventory

Form Information

Inventory ID : 1

Name : 2

Phone : 3

Email : 4

Gender : ☐ Male ☐ Female 5

Address : 6

UserName : 7

Password : 8

Salary : 9

10 11 12 13

Search Inventory ID : 14 15

Table Information

16

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N o	Name	Type	Validation n	Event	Descriptio n	Status
1	txtID	JTextField	not blank		ID of Invetory	Disabl e
2	txtName	JTextField	not blank		Name of Invetory	Disabl e
3	txtPhone	JTextField	11 integer		Phone of Invetory	Disabl e
4	txtEmail	JTextField	Email format		Email of Invetory	Disabl e
5	chkGender	JRadioButton			Gender of Invetory	Disabl e
6	txtAddress	JTextArea			Address of Invetory	Disabl e
7	txtUserName	JTextField	not blank		Username of Invetory	Disabl e
8	txtPassword	JPasswordField	not blank		Password of Invetory	Disabl e
9	txtSalary	JTextField	integer		Salary of Invetory	Disabl e
10	btnAdd	JButton		Action Performe d	If input valid, system will add new Invetory account	Enable
11	btnEdit	JButton		Action Performe d	If input valid, system will add new	Enable

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					Inventory account	
12	btnCancel	JButton		Action Performed	Reset all textfield	Enable
13	btnDelete	JButton		Action Performed	Delete a Inventory by ID	Enable
14	txtSearch	JTextField			Search Inventory by Name	Enable
15	btnSearch	JButton		Action Performed	Search Inventory by Name	Enable
16	table Inventory	JTable			Show Managers list with information	

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Review 3 – Task Sheet

Project Ref. No:		Project Title	Date of Preparation of Activity Plan			
Sr. No.	Task		Actual Start Date	Actual Days	Team Member Name	Status
1	Database design	Perfume Store Management System	01/02/2018	7	Hoàng Minh Tuấn	Completed
					Nguyễn Quang Trung	
					Lê Tuấn Vũ	
2	GUI design		01/02/2018	7	Nguyễn Khánh Long	Completed

Activity Plan Prepare By : Group 2

Group Leader

February 7nd, 2018

Faculty

Lê Tuấn Vũ

Trần Phước Sinh