

## ISE 2 DBMS PROJECT

### Topic : Sales And Inventory Management System

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Under Guidance of  
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#### Site is hosted on following web address :

<https://sales-inventory-management.herokuapp.com/>

#### Code for the site is available on following link :

<https://github.com/kamatyogesh7/sales-and-inventory-management-system>

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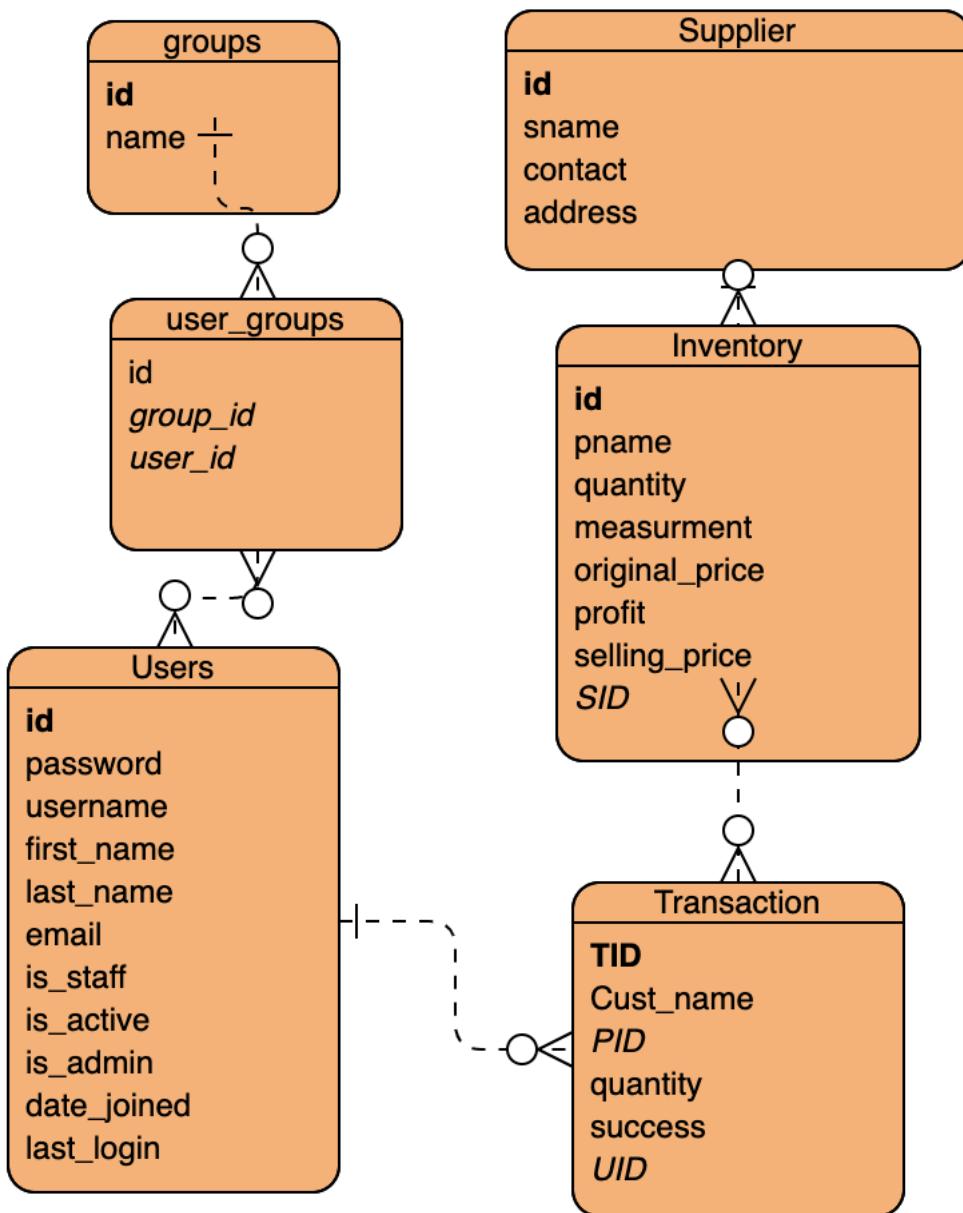
### PURPOSE

PURPOSE Inventory is the amount of tangible goods, products or services you offer your customers. These goods are itemized and catalogued into an inventory management system.

E-commerce businesses most likely deal with the latter, or finished goods that are currently in their possession. Inventory is a portion of a company's assets that are either ready to order or will be ready for sale soon. Product inventory is a tangible asset because it's a real-time evaluation of the revenue a company is generating. If an e-commerce store can't move product from its inventory, it is clearly struggling to make sales and must adjust its operations, otherwise it won't obtain bottom-line revenue.

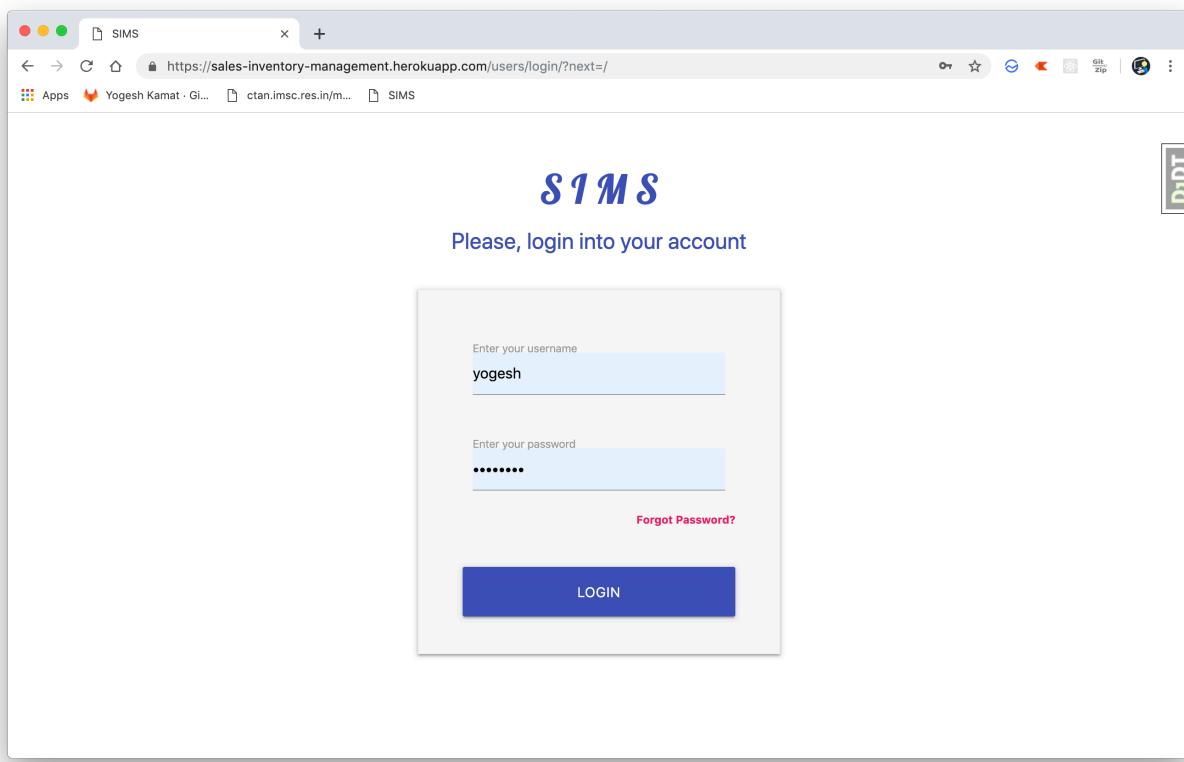
Inventory is often the largest item a business has in its current assets, meaning it must be accurately monitored. Inventory is counted and valued at the end of each accounting period to determine the company's profits or losses. In the e-commerce sector, a day-to-day management of inventory helps increase business intelligence and visibility. E-commerce business owners have better ongoing control when they have constant eyes on inventory. And that's why the need of "Inventory Management System".

## E-R diagram

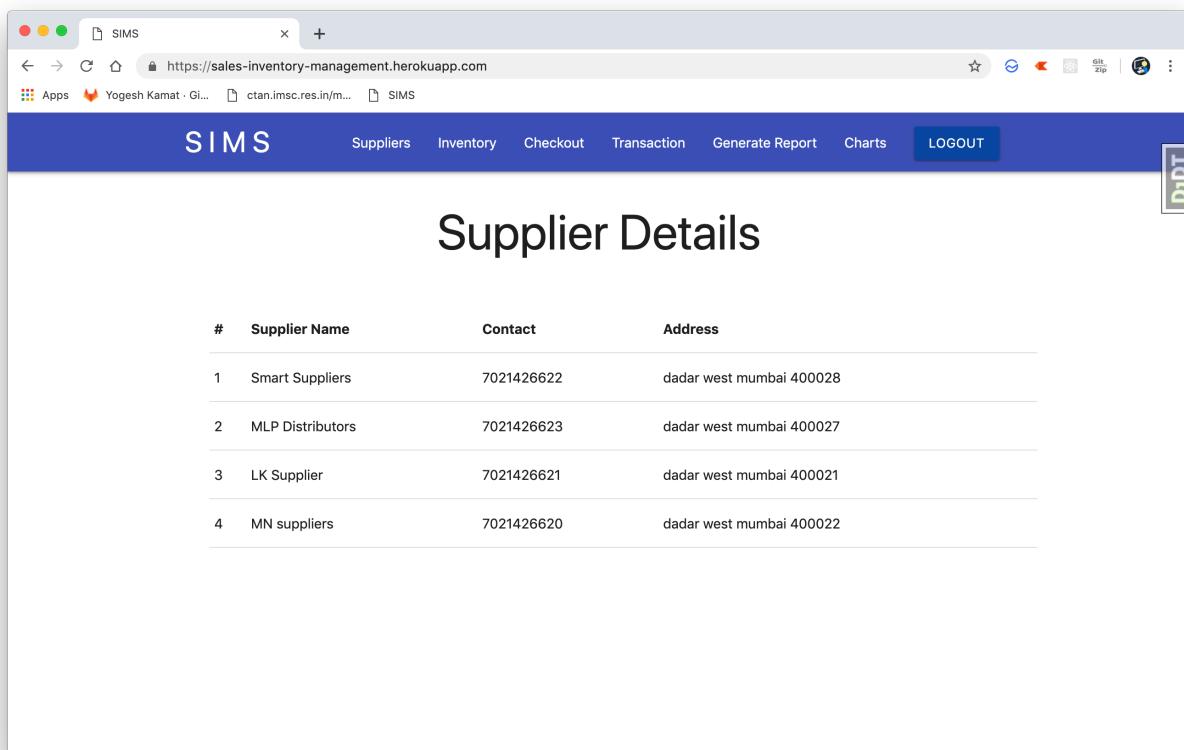


## OUTPUT SCREENSHOTS WITH EXPLANATION

### Login Page : (required without which we can not go to home page)



### Home Page : (Shows supplier details)



**Home Page contains following tabs as well :**

1. Inventory (shows inventory details)
2. Checkout page for sales.
3. Transaction page for successful transactions.
4. Report generating page
5. Graph analytics
6. Debug tool to show row sql queries

**1.**

The screenshot shows the 'Inventory Details' page of the SIMS application. At the top, it displays 'Total Inventory Value : 7485' and 'Total Products : 5'. Below this is a table listing five products:

#	Product Name	Quantity	Measurement	Original Price	Profit	Selling Price	Supplier
1	Pen	35	Piece	25	10	35	SSmart Suppliers
2	Sugar	50	Kilogram	52	8	60	SMLP Distributors
3	Eraser	50	Piece	5	2	7	SSmart Suppliers
4	Pencil	47	Piece	7	3	10	SLK Supplier
5	Bread	61	Piece	32	8	40	SMLP Distributors

**2.**

The screenshot shows the 'Add to cart' page of the SIMS application. A modal window is open, prompting for 'Customer Name' (suresh), 'Product' (Sugar), 'Quantity Available' (50), and 'Quantity Required' (10). To the right of the modal, a sidebar lists suppliers with their respective selling prices and add buttons:

Selling Price	Supplier
SSmart Suppliers	<button>+ Add</button>
SMLP Distributors	<button>+ Add</button>
SSmart Suppliers	<button>+ Add</button>
SLK Supplier	<button>+ Add</button>
SMLP Distributors	<button>+ Add</button>

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2.

The screenshot shows the SIMS application interface with a blue header bar containing the SIMS logo and navigation links: Suppliers, Inventory, Checkout, Transaction, Generate Report, Charts, and LOGOUT. A watermark 'DxDT' is visible in the top right corner. The main content area is titled 'Checkout'. On the left, there is a 'Cart' section with two rows of data:

#	Customer Name	Product	Quantity	Price	DELETE
2	suresh	2	10	600	<button>DELETE</button>
1	ramesh	2	10	600	<button>DELETE</button>

On the right, there is a table of products:

#	Product Name	Quantity	Measurement	Selling Price	Supplier	Add (+)
1	Pen	35	Piece	35	SSmart Suppliers	<button>(+)</button>
2	Sugar	50	Kilogram	60	SMLP Distributors	<button>(+)</button>
3	Eraser	50	Piece	7	SSmart Suppliers	<button>(+)</button>
4	Pencil	47	Piece	10	SLK Supplier	<button>(+)</button>
5	Bread	61	Piece	40	SMLP Distributors	<button>(+)</button>

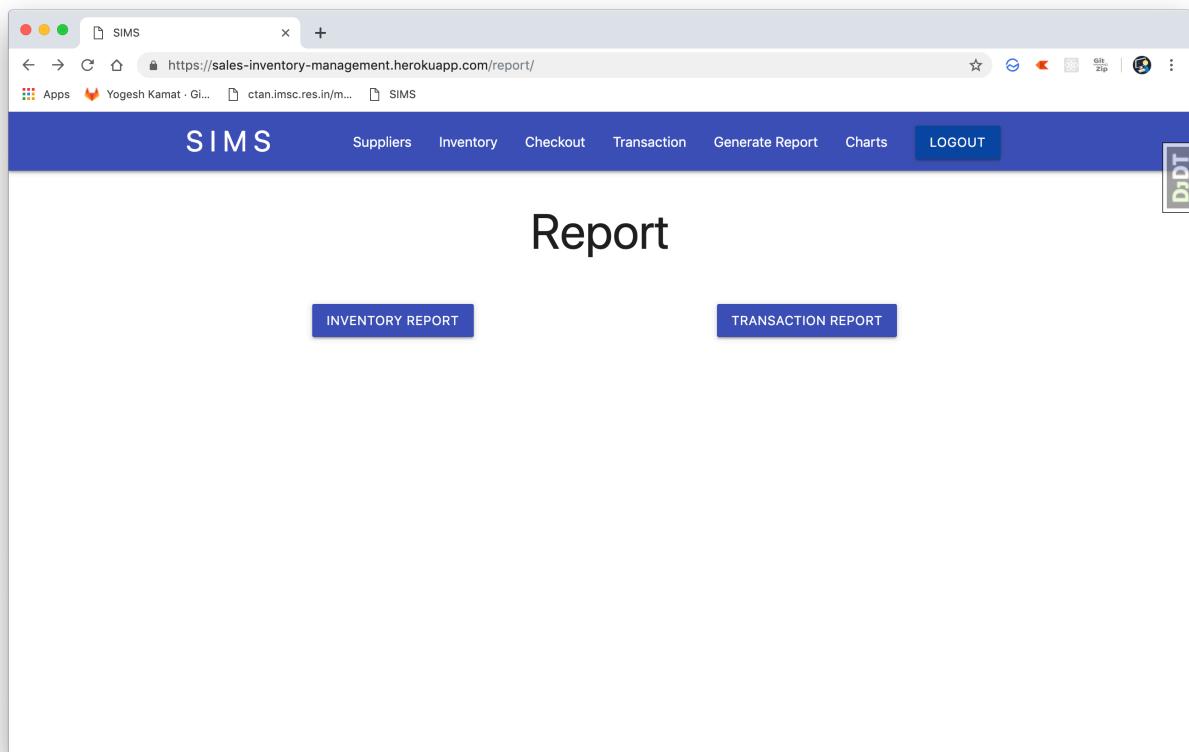
A large blue 'CHECKOUT' button is located at the bottom left of the cart area.

3.

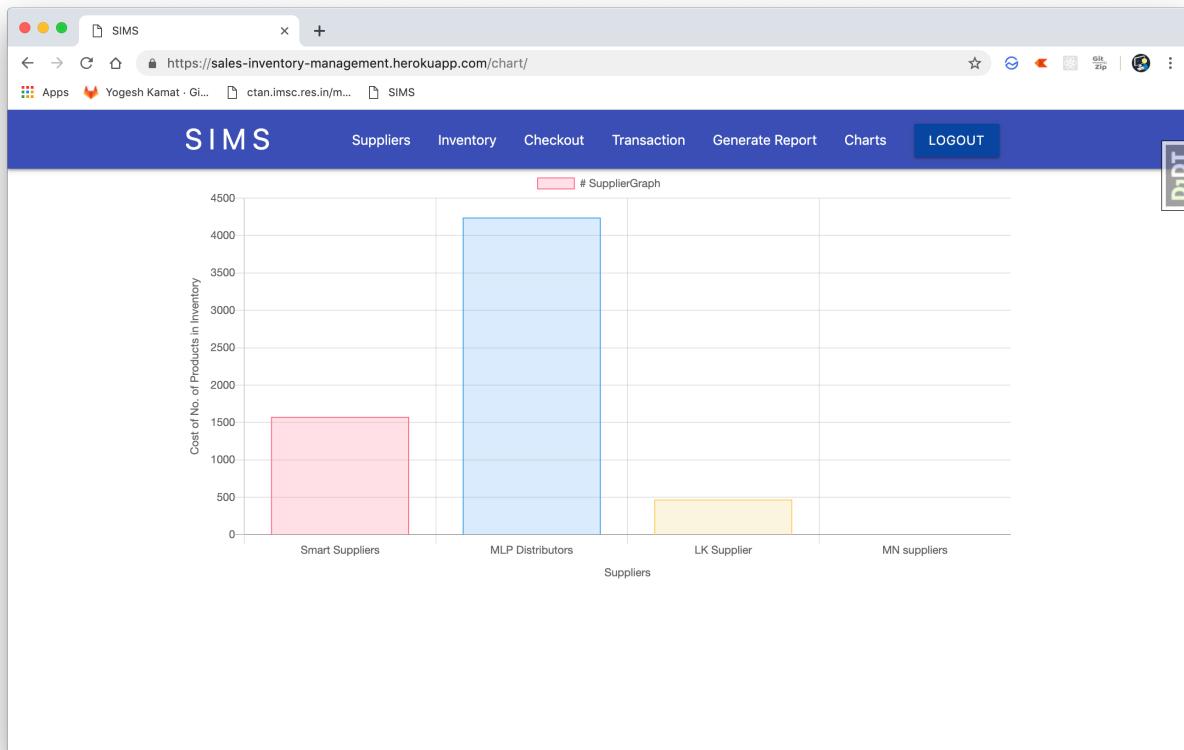
The screenshot shows the SIMS application interface with a blue header bar containing the SIMS logo and navigation links: Suppliers, Inventory, Checkout, Transaction, Generate Report, Charts, and LOGOUT. A watermark 'DxDT' is visible in the top right corner. The main content area is titled 'Transaction Details'. There is a table of transaction items:

Customer Name	Quantity	Measurment	Price	Supplier	DELETE
suresh	10	Kilogram	600	MLP Distributors	<button>DELETE</button>
ramesh	10	Kilogram	600	MLP Distributors	<button>DELETE</button>

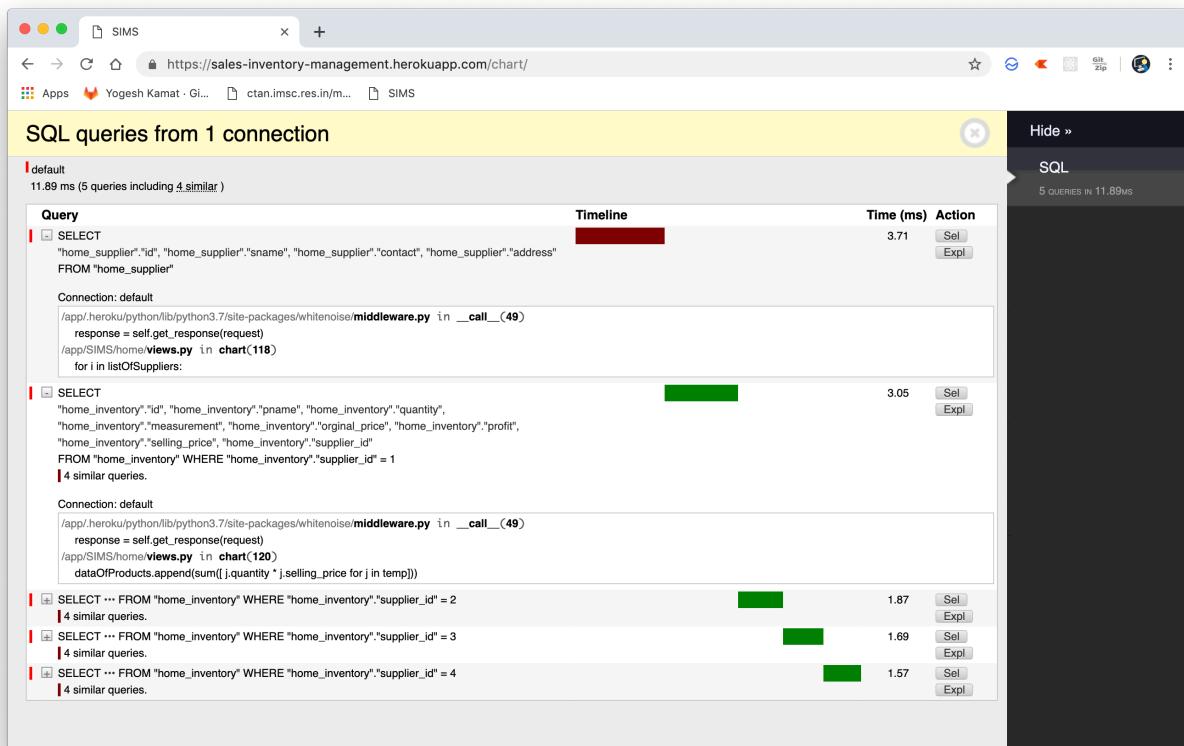
4.

A screenshot of a web browser window titled "SIMS Reports" at the top. The URL is https://sales-inventory-management.herokuapp.com/report/. The page shows a dark header with the "SIMS" logo and navigation links. Below the header, it says "1 / 1" and displays a report titled "Inventory Details" for the date "14th of April". The report table has the following columns: Product ID, Product Name, Quantity, Measurement, Original Price, Profit, Selling Price, and Supplier. The data is as follows:

5.



6.



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**Admin Panel** to add or delete inventories or suppliers or transactions.  
In Admin Panel Only admin user can login.

### HomePage for admin panel :

The screenshot shows the Django Admin interface for the SIMS application. The top navigation bar includes links for 'Site administration | Django site', 'https://sales-inventory-management.herokuapp.com/admin/', 'Apps', 'Yogesh Kamat · Gi...', 'ctan.imsc.res.in/m...', 'SIMS', 'WELCOME, YOGESH' (with options to 'VIEW SITE / CHANGE PASSWORD / LOG OUT'), and a 'DDT' icon. The main content area is titled 'SIMS Admin Panel'. It features two main sections: 'AUTHENTICATION AND AUTHORIZATION' (Groups, Users) and 'HOME' (Inventory, Suppliers, Transactions). The 'Recent actions' sidebar lists recent operations: 'Iphone Inventory' (deleted), 'Iphone Inventory' (added), 'sampleuser User' (added), and 'sejal User' (added).

### Add Inventory form :

The screenshot shows the 'Add inventory' form within the Django Admin interface. The top navigation bar is identical to the previous screenshot. The main form has fields for 'Pname' (with a placeholder box), 'Quantity' (with a placeholder box), 'Measurement' (with a placeholder box), 'Orginal price' (with a placeholder box), 'Profit' (with a placeholder box), 'Selling price' (with a placeholder box), and 'Supplier' (with a dropdown menu and a '+' button). At the bottom of the form are three buttons: 'Save and add another', 'Save and continue editing', and a large blue 'SAVE' button.

**Supplier add form :**

Add supplier

Sname:

Contact:

Address:

**Delete Transaction page ( In similar manner every inventory and supplier object can be deleted as well)**

Select transaction to change

Action:   2 of 2 selected

<input checked="" type="checkbox"/> TRANSACTION
<input checked="" type="checkbox"/> Transaction object (2)
<input checked="" type="checkbox"/> Transaction object (1)

2 transactions

## **TECHNOLOGIES USED :**

1. PostgreSQL
2. Django web framework
3. Html and CSS
4. Heroku web hosting

## **CONCLUSION :**

Hence, we successfully created sales and inventory management system using various things learned during the entire dbms course such as DDL, DML, DCL commands as well as View, Triggers etc. Our system can be used by Inventory manager to add or delete inventory items as well as supplier details.

And it can also be used by Sales persons to do various transactions.

Through chart section we can view graph analytics.