



RamanaSoft



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Inventory Management System

Proposal for

Ramana Soft Internship (Assignment-3)

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Inventory Management System (Development)

Introduction:

This Simple Inventory Management System Project is only accessible to the shop administrator. It requires the administrator system user credential to gain access to the features and functionalities. The Administrator can manage the list of Customers, Categories, Brands, Suppliers, Products, Purchases, and Orders. Each of these features contains CRUD (Create, Read, Update, and Delete) operations or functionalities. The system automatically computes the available stock of each product on hand.

Required Software's:

- XAMPP v3.3.0
- Python Django Frame Work
- MySQL Database
- HTML
- CSS
- JavaScript
- jQuery
- Ajax
- Bootstrap 5 Frame work
- Font Awesome
- Data Tables

This **Simple Inventory Management System** Project is only accessible to the shop administrator. It requires the administrator system user credential to gain access to the features and functionalities. The Administrator can manage the list of **Customers, Categories, Brands, Suppliers, Products, Purchases, and Orders**. Each of these features contains **CRUD** (Create, Read, Update, and Delete) operations or functionalities. The system automatically computes the available stock of each product on hand.

The project lists were developed using **Python (Django)** and **MySQL Database**. Each List on this application is displayed using the **Bootstrap Data Tables**. Each of the delete functions has a confirmation feature that prevents the user to remove the data by accident. The application forms for each process are displayed using the **Bootstrap Modal**.



Project Features:

❖ **Home/Inventory List**

❖ **Customer Management**

- Add New Customer
- List All Customers
- Edit/Update Customer Details
- Delete Customer

❖ **Category Management**

- Add New Category
- List All Categories
- Edit/Update Category Details
- Delete Category

❖ **Brand Management**

- Add New Brand
- List All Brands
- Edit/Update Brand Details
- Delete Brand

❖ **Supplier Management**

- Add New Supplier
- List All Suppliers
- Edit/Update Supplier Details
- Delete Supplier

❖ **Product Management**

- Add New Product
- List All Products
- Edit/Update Product Details
- View Product Details
- Delete Product

❖ **Purchase Management**

- Add New Purchase
- List All Purchases
- Edit/Update Purchase Details
- Delete Purchase



❖ Order Management

- Add New Order
- List All Orders
- Edit/Update Order Details
- Delete Order

❖ Login and Logout

Data Base Schema: Data Base Name: ims

ims_db ims_customer
id : int(11)
name : varchar(200)
address : text
mobile : int(50)
balance : double(10,2)

ims_db ims_category
categoryid : int(11)
name : varchar(250)
status : enum('active','inactive')

ims_db ims_brand
id : int(11)
categoryid : int(11)
bname : varchar(250)
status : enum('active','inactive')

ims_db ims_user
userid : int(11)
email : varchar(200)
password : varchar(200)
name : varchar(200)
type : enum('admin','member')
status : enum('Active','Inactive')

ims_db ims_purchase
purchase_id : int(11)
supplier_id : varchar(255)
product_id : varchar(255)
quantity : varchar(255)
purchase_date : timestamp

ims_db ims_supplier
supplier_id : int(11)
supplier_name : varchar(200)
mobile : varchar(50)
address : text
status : enum('active','inactive')

ims_db ims_order
order_id : int(11)
product_id : varchar(255)
total_shipped : int(11)
customer_id : int(11)
order_date : timestamp

ims_db ims_product
pid : int(11)
categoryid : int(11)
brandid : int(11)
pname : varchar(300)
model : varchar(255)
description : text
quantity : int(11)
unit : varchar(150)
base_price : double(10,2)
tax : decimal(4,2)
minimum_order : double(10,2)
supplier : int(11)
status : enum('active','inactive')
date : date



Required Frontend Design Screen Shorts:

1. Login Page: User will have the login and password to access the dashboard (home page).

Inventory Management System

Login

Email
Email address

Password
Password

Login

2. Dashboard Screen Short: User will have the clean dash board for over view of the data.

Inventory Management System

Home Customer Category Brand Supplier Product Purchase Orders Administrator

Inventory

Search:

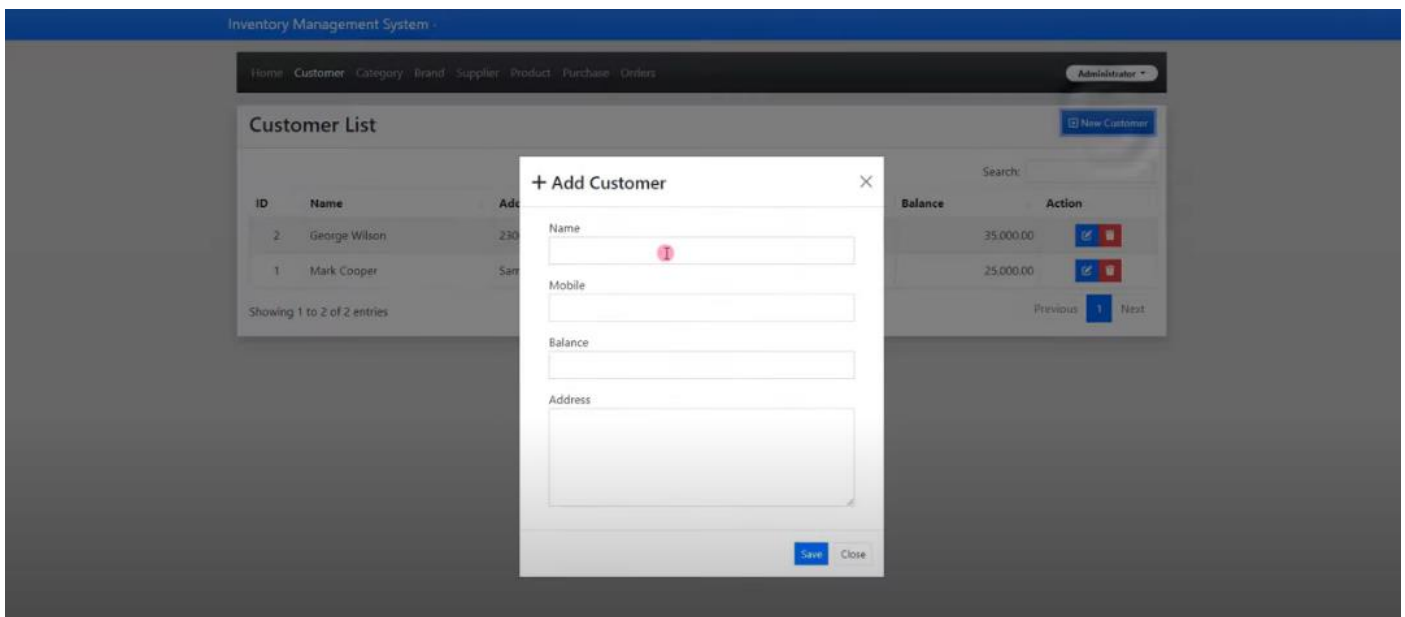
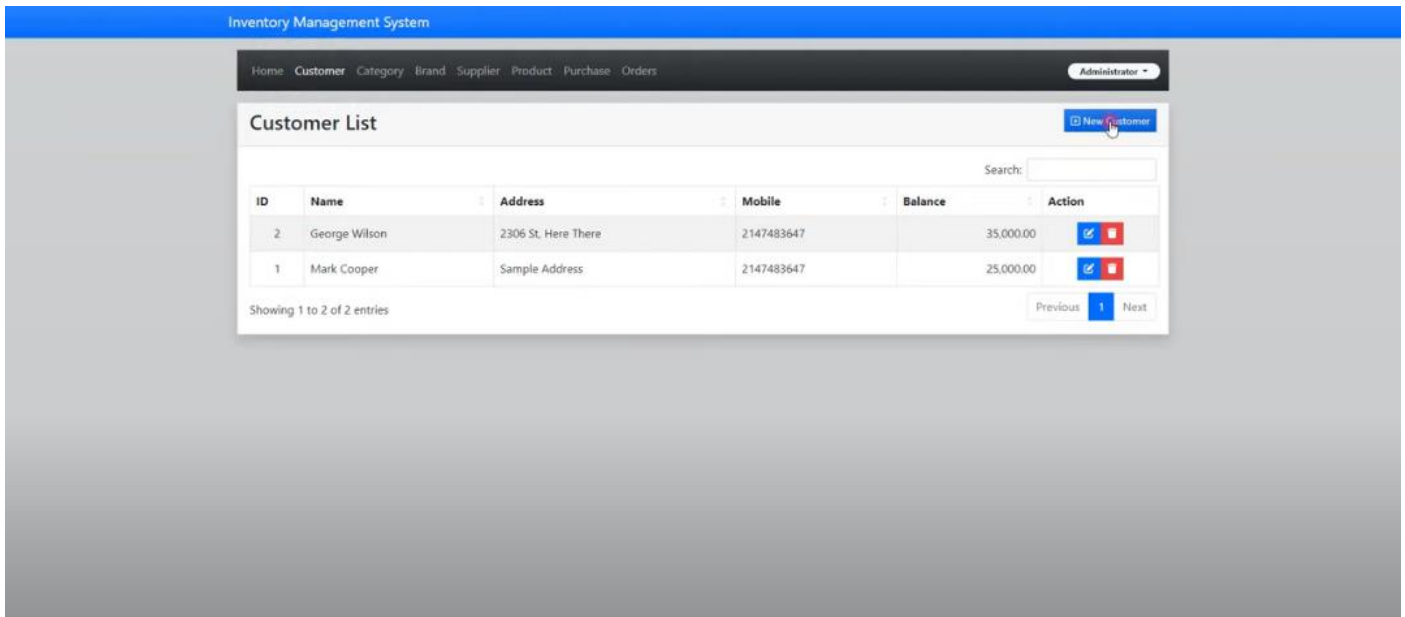
#	Product/Code	Starting Inventory	Inventory Recieved	Inventory Shipped	Inventory on Hand
1	Product 103 P-1003	20	10	0	30
2	Product 102 P-1002	15	35	3	47
3	Product 101 P-1001	10	25	5	30

Showing 1 to 3 of 3 entries

Previous 1 Next

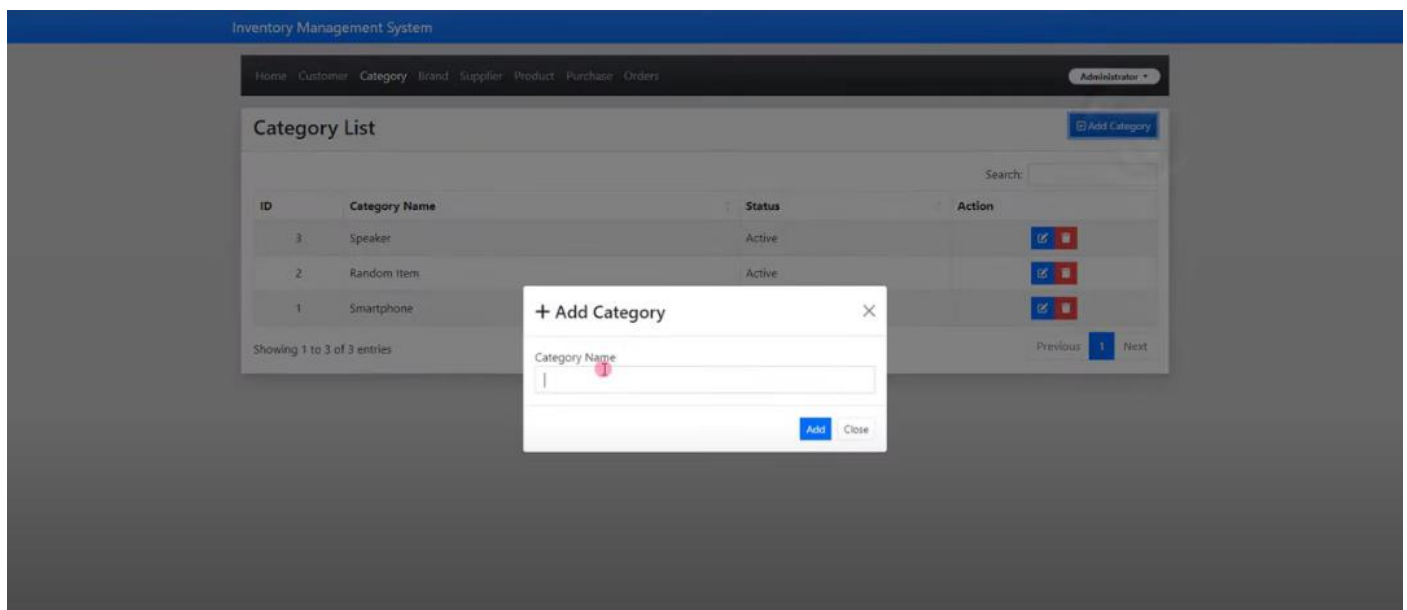
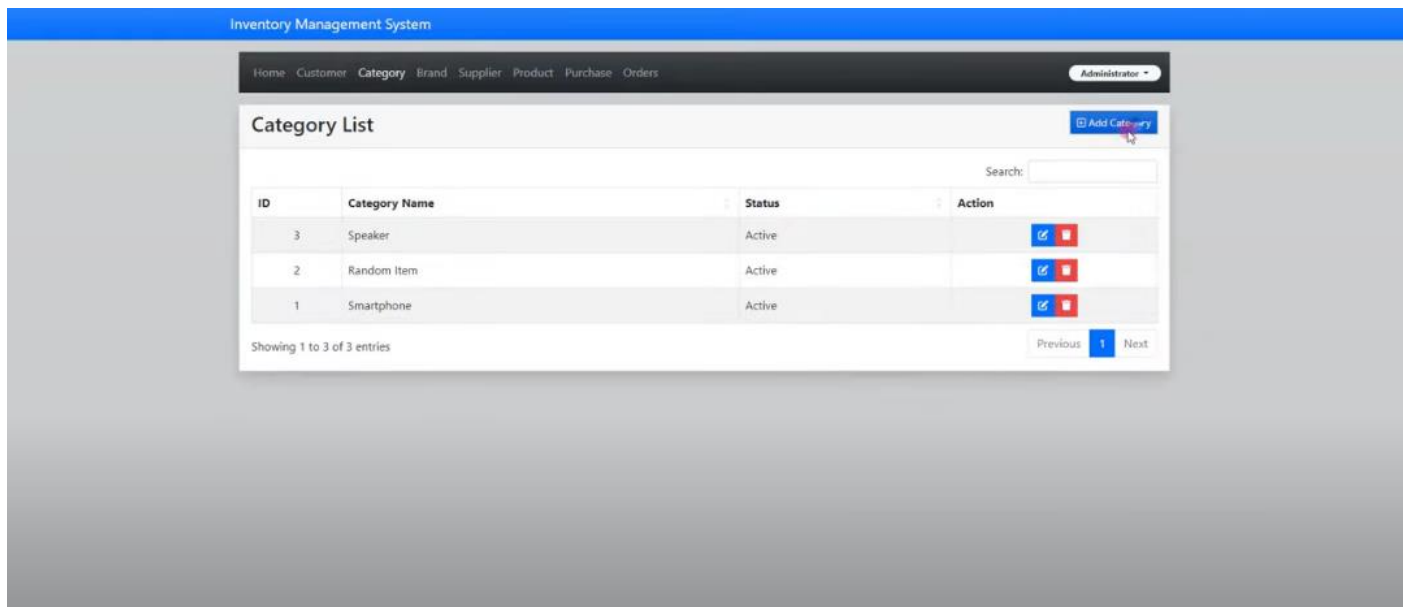


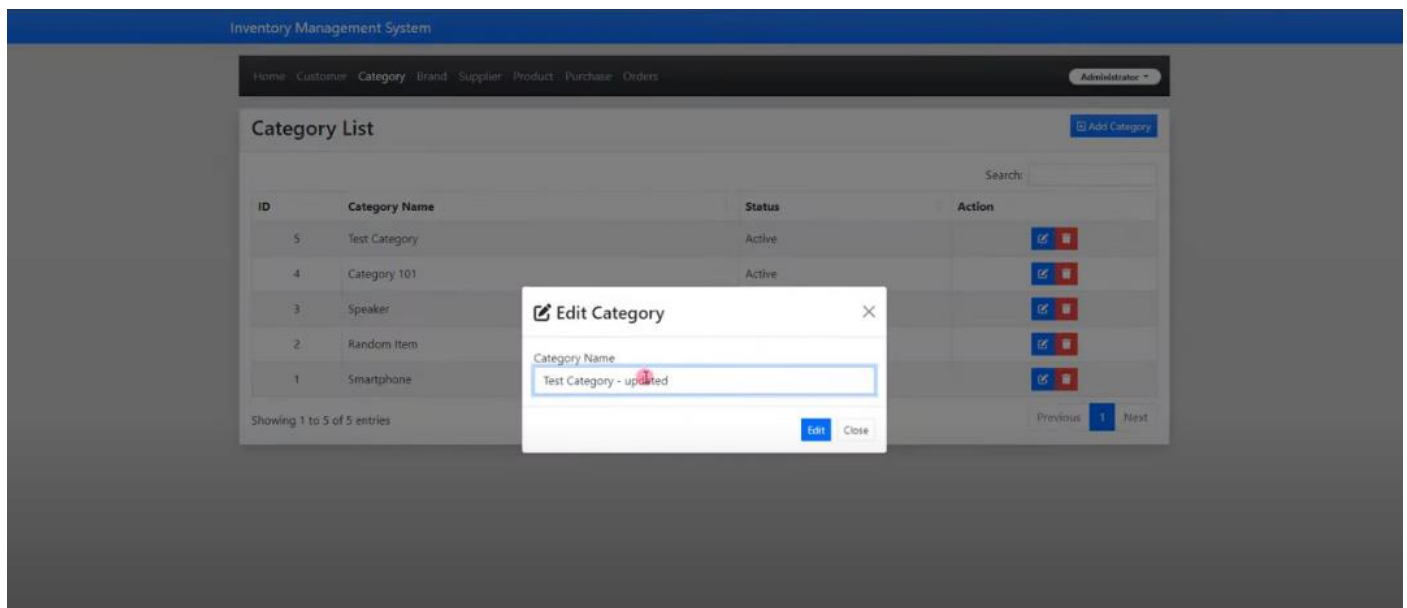
3. Add Customer Module: User can add category of the **Customer List, Edit, Delete.**



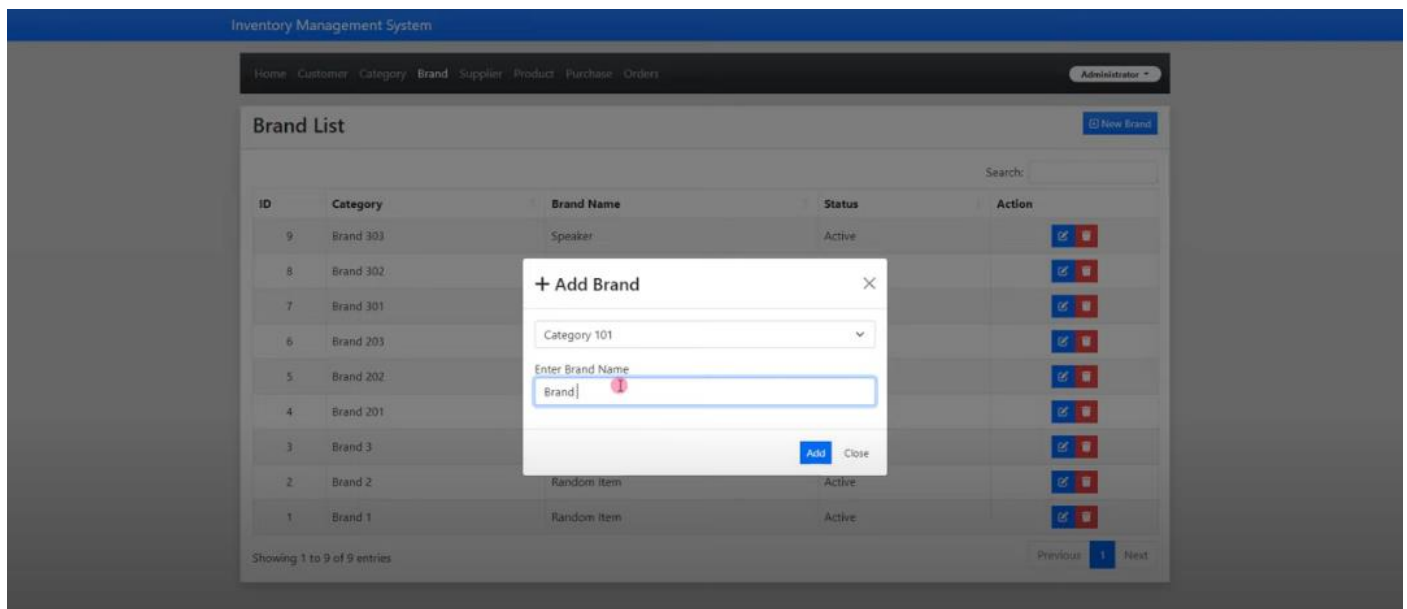


4. Entry of the Category Module: Adding the new Category to the **Category List, Edit, Delete.**



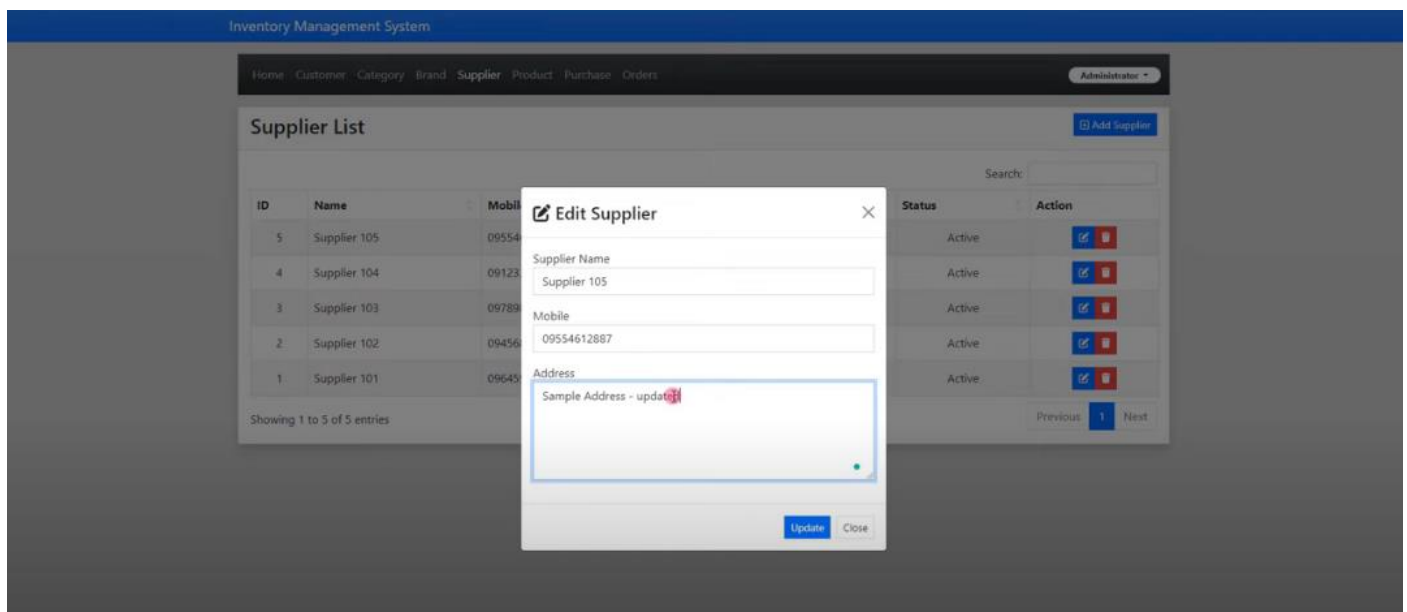
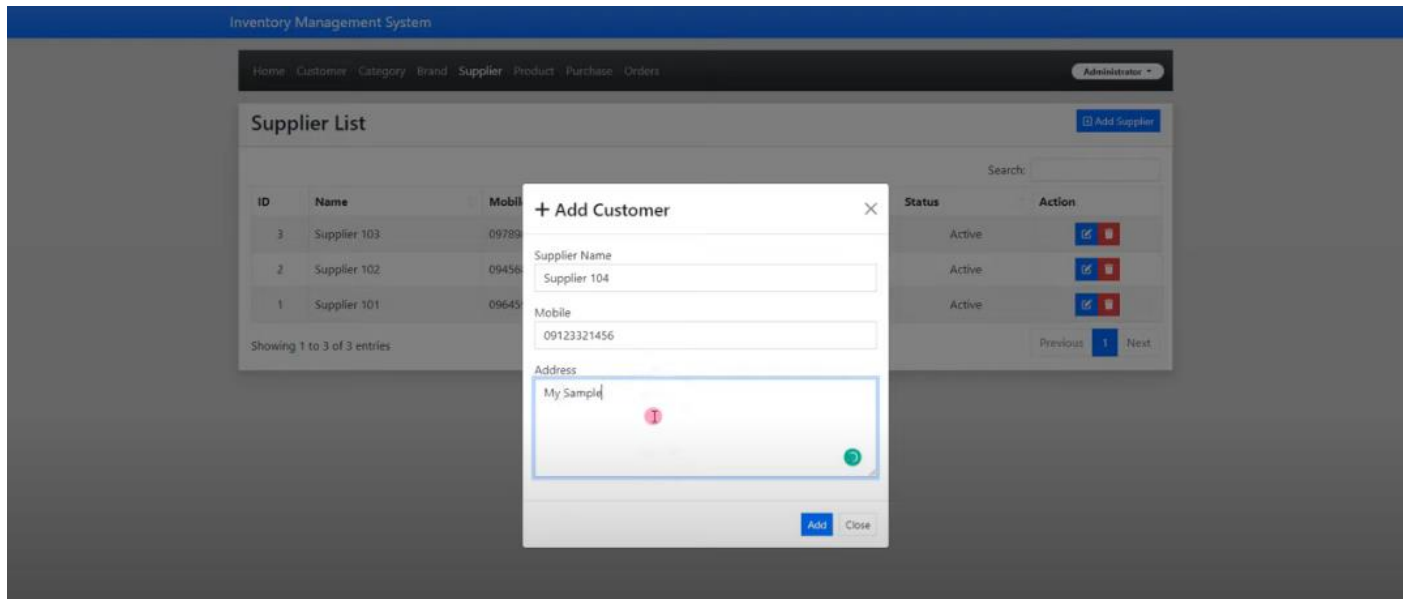


5. **Brand Module:** If user is entering the **Add Brand List, Edit, Delete** details.



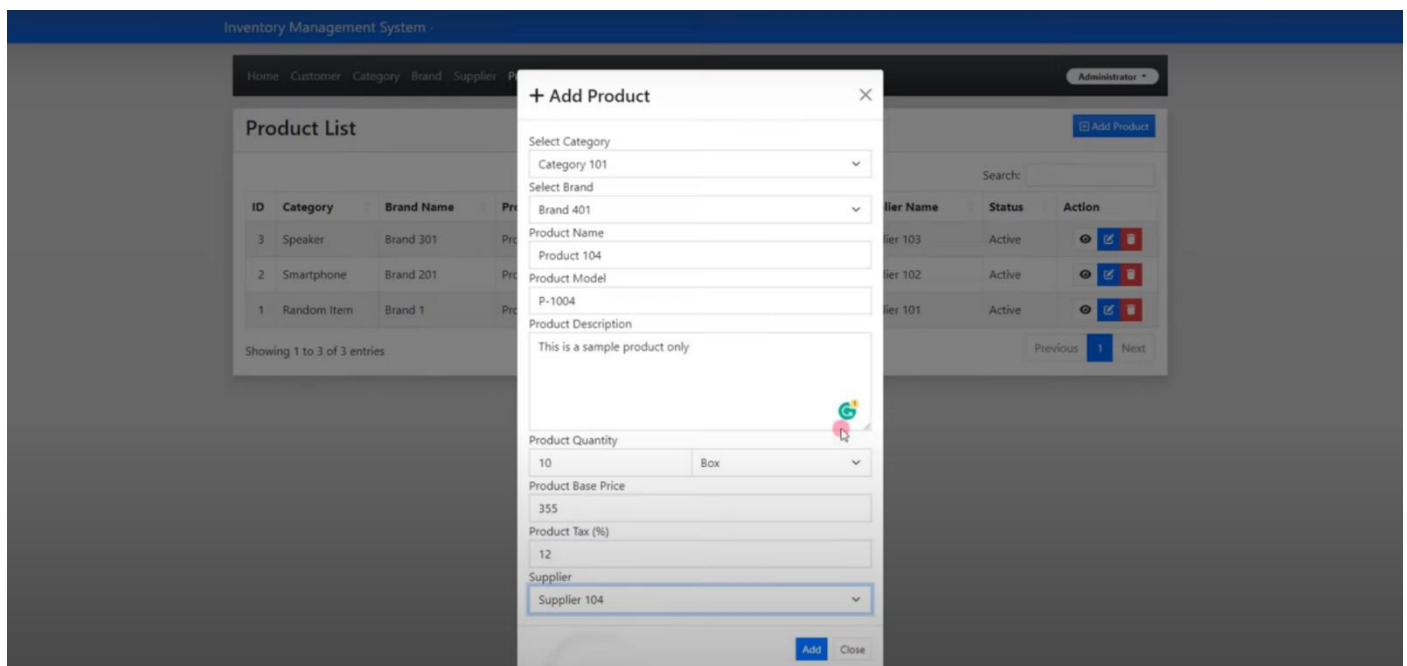
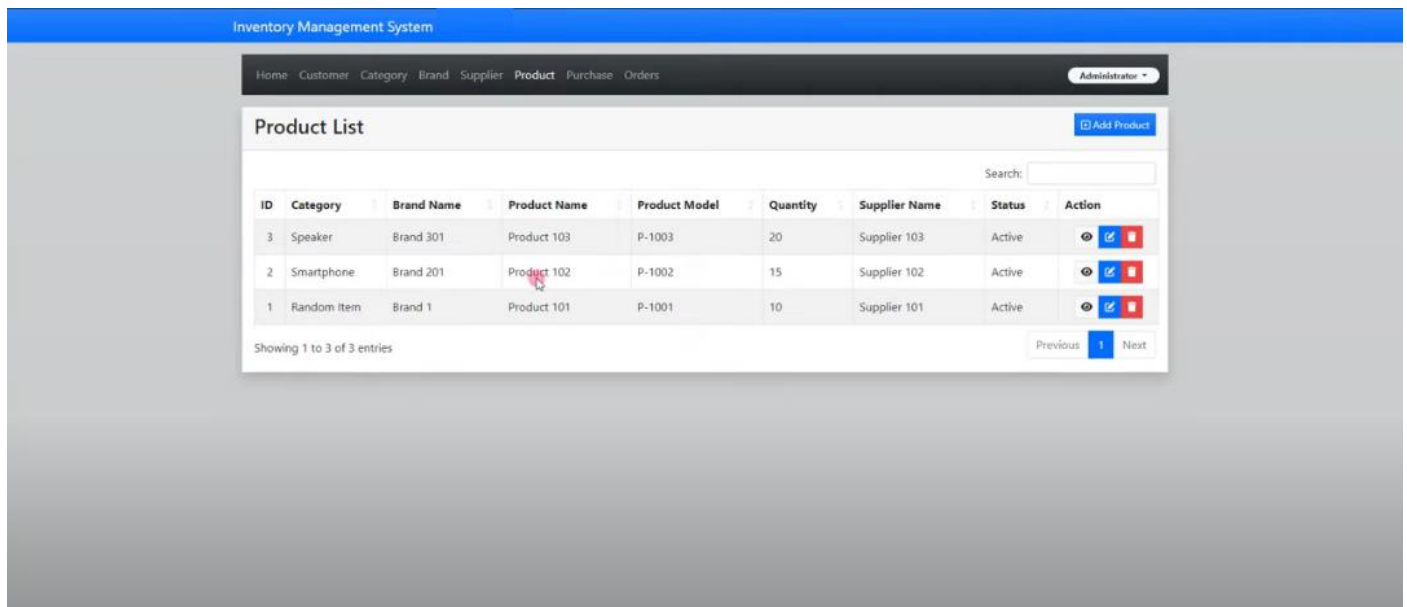


6. Supplier Module: User can **add supplier**, **List display**, **Edit**, **Delete**



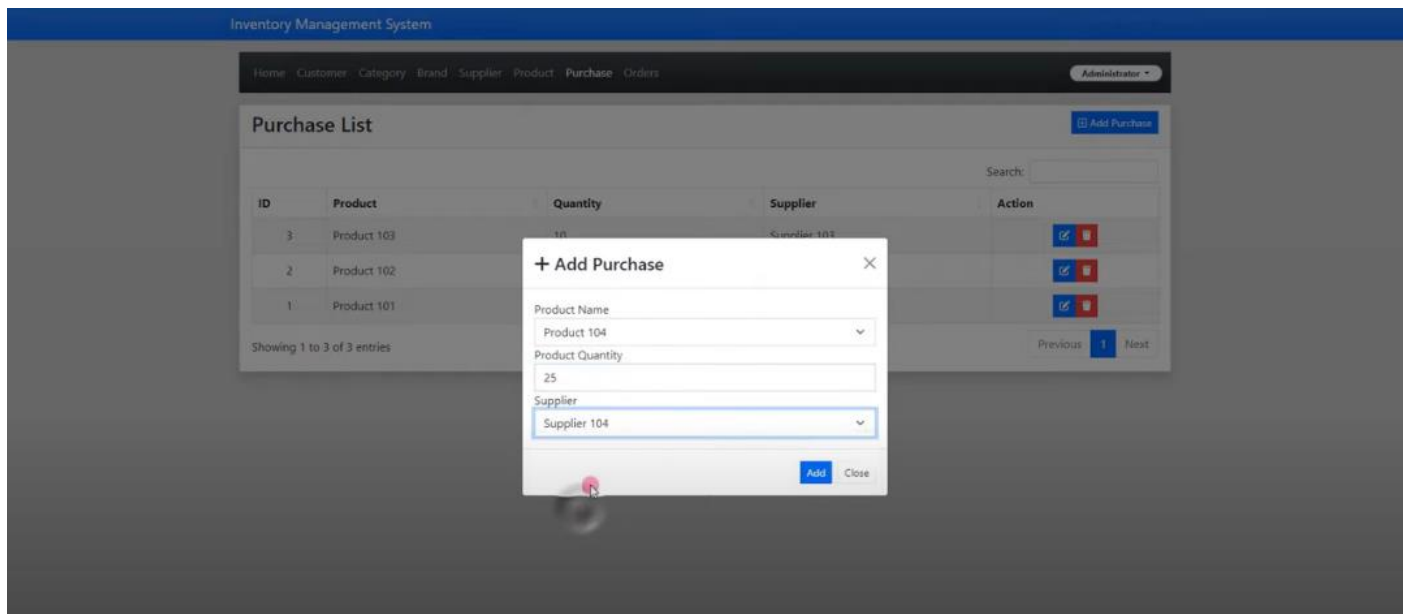


7. Product Module: User can add Product, Product List, Edit, Delete

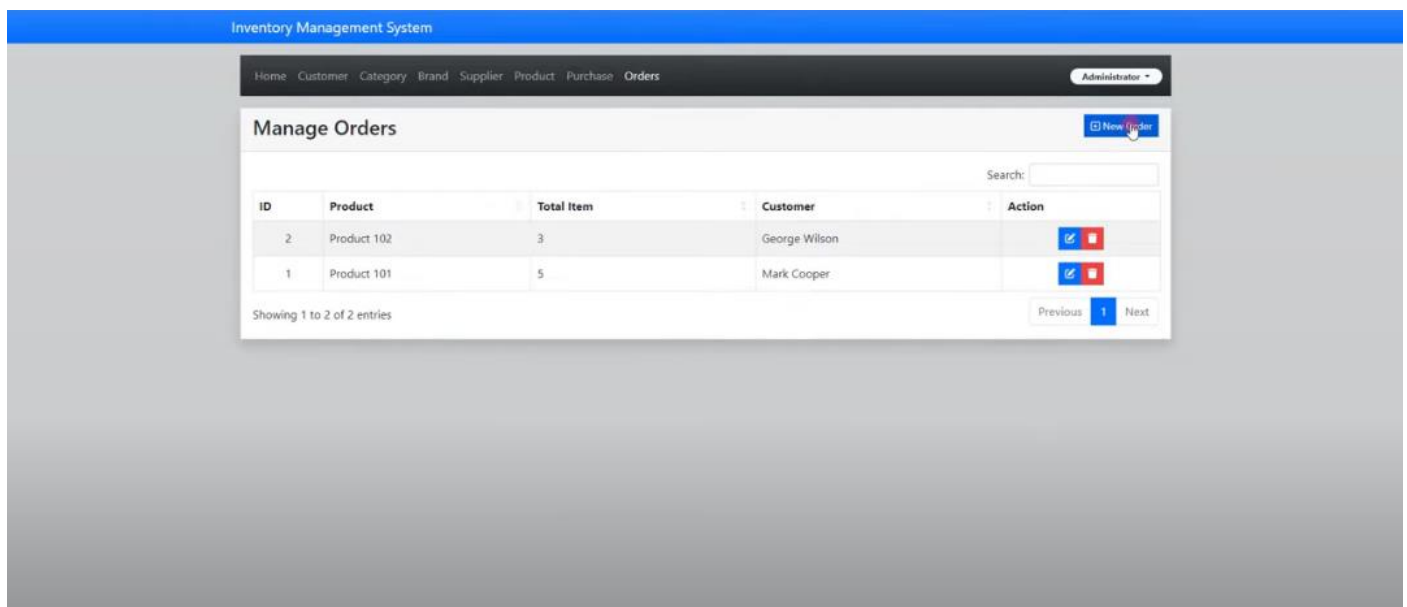




8. Purchase Module: User can **add Purchase, Purchase List, Edit, Delete.**



8. Orders Module: User can **add Orders, Orders List, Edit, Delete.**





Inventory Management System

Home Customer Category Brand Supplier Product Purchase Orders

Administrator

Manage Orders

New Order

ID	Product	Total Item	Customer	Action
2	Product 102			<div></div> <div></div>
1	Product 101			<div></div> <div></div>

Showing 1 to 2 of 2 entries

Previous1Next

+ Add Order

Product Name

Product 104

Total Item

10

Customer Name

Samantha Jane Miller

Add

Close