

# **PROJECT TITLE**

# **MEDICAL INVENTORY MANAGEMENT**

**College Name:** AVP college of arts and science

**College Code:** asbruaj

**Team ID:** NM2025TMID25369

**Team Members:** 4

**Team leader name:** VINUMITHRA.A

**Email:** Vinumithraarusamy1017@gmail.com

**Team Member:** DIVYA.T

**Email:** divyathangapandi025@gmail.com

**Team Member:** MANISHA.L

**Email:** manishalax29@gmail.com

**Team Member:** PRADEEPA.S

**Email:** sekarpradeepa70@gmail.com

## INTRODUCTION

Medical inventory management is an essential component of modern healthcare systems, ensuring that hospitals, clinics, and pharmacies maintain an adequate supply of medicines, surgical tools, and medical equipment. Effective management of these resources helps avoid critical shortages, prevents overstocking, and reduces wastage due to expired products.

In many healthcare facilities, manual methods of tracking inventory often lead to errors, inefficiencies, and delays in patient care. To overcome these challenges, medical inventory management projects focus on developing systematic approaches and technology-driven solutions—such as computerized databases, barcode scanning, RFID systems, and automated alerts—that enable real-time monitoring and accurate forecasting of medical supplies.

The objective of this project is to design and implement a reliable system that enhances efficiency, ensures patient safety, minimizes costs, and supports smooth healthcare operations. By integrating digital tools and smart processes, medical inventory

## PROJECT OVERVIEW

The Medical Inventory Management Project is designed to streamline the process of tracking, monitoring, and managing medical supplies within healthcare facilities such as hospitals, clinics, and pharmacies. The project focuses on solving common challenges like stock shortages, overstocking, expired items, and inefficient manual record-keeping.

This system provides a centralized platform where administrators can record, update, and monitor the availability of medicines, equipment, and consumables in real time. Key features include stock level tracking, automated alerts for low inventory or upcoming expirations, supplier management, and detailed reporting for data-driven decision-making.

- Created Salesforce account.

**Sign up for your Developer Edition**

A free Salesforce Platform environment with Agentforce and Data Cloud

First name	Last name
vinumithra	A

Job title	Work email
Developer	vinumithraarusamy1@

Company	Country/Region
AVP college of arts and	India

Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

I agree to the Main Services Agreement – Developer Services and Salesforce Program Agreement. I acknowledge, as described in the Developer Documentation: (1) the Developer Edition includes autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and may terminate any org that has been inactive for 45 days.

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- created a custom object product.

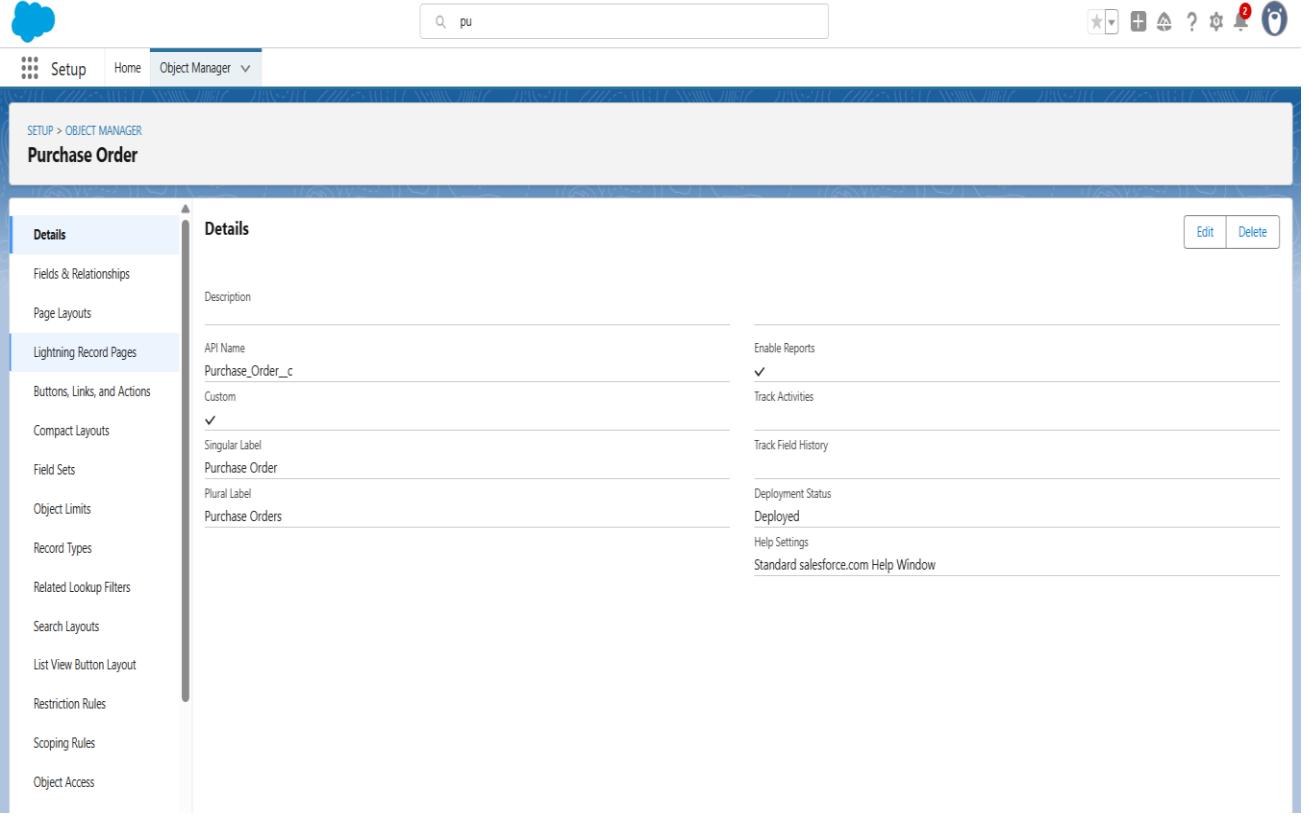
SETUP > OBJECT MANAGER

## Product

Details	
Fields & Relationships	Description
Page Layouts	API Name
Lightning Record Pages	Product__c
Buttons, Links, and Actions	Custom
Compact Layouts	✓
Field Sets	Singular Label
Object Limits	Product
Record Types	Plural Label
Related Lookup Filters	Products
Search Layouts	
List View Button Layout	
Restriction Rules	
Scoping Rules	
Object Access	
Triggers	

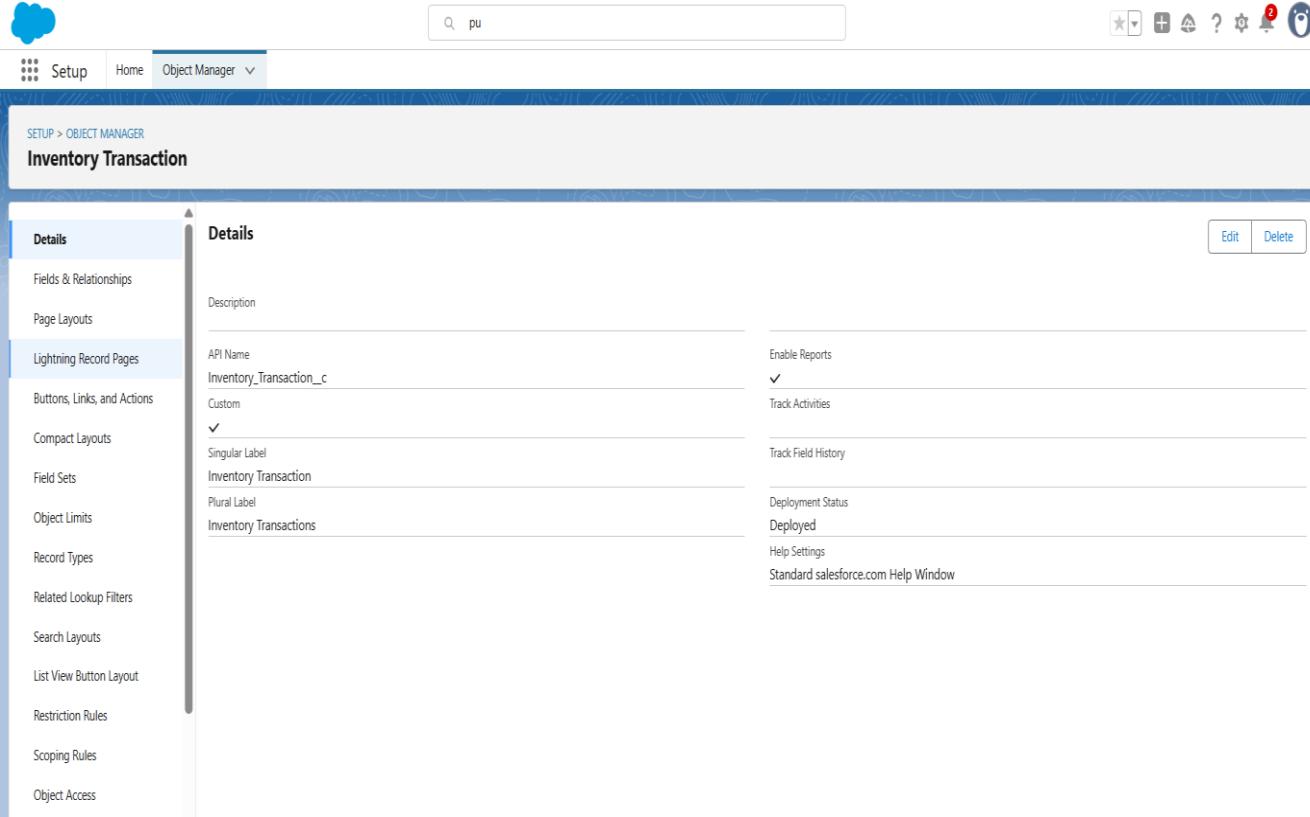
**Edit** **Delete**

- created a custom object purchase order.



The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes icons for Home, Object Manager, and a search bar containing the text 'pu'. Below the navigation is a breadcrumb trail 'SETUP > OBJECT MANAGER'. The main title is 'Purchase Order'. On the left, a sidebar lists various configuration options under 'Details': Fields & Relationships, Page Layouts, Lightning Record Pages (selected), Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, and Object Access. The right panel displays the 'Purchase Order' object's details. The 'Description' field is empty. The 'API Name' is set to 'Purchase\_Order\_\_c'. Under 'Custom' settings, 'Enable Reports' is checked. Other settings include 'Track Activities', 'Track Field History', 'Deployment Status' (set to 'Deployed'), and 'Help Settings' (linking to 'Standard salesforce.com Help Window'). Action buttons 'Edit' and 'Delete' are located at the top right of the details panel.

- created a custom object inventory transaction.



The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes icons for Home, Object Manager, and a search bar containing the text 'pu'. Below the navigation is a breadcrumb trail 'SETUP > OBJECT MANAGER'. The main title is 'Inventory Transaction'. The left sidebar lists configuration options under 'Details': Fields & Relationships, Page Layouts, Lightning Record Pages (selected), Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, and Object Access. The right panel displays the 'Inventory Transaction' object's details. The 'Description' field is empty. The 'API Name' is set to 'Inventory\_Transaction\_\_c'. Under 'Custom' settings, 'Enable Reports' is checked. Other settings include 'Track Activities', 'Track Field History', 'Deployment Status' (set to 'Deployed'), and 'Help Settings' (linking to 'Standard salesforce.com Help Window'). Action buttons 'Edit' and 'Delete' are located at the top right of the details panel.

- created a custom object supplier.

The screenshot shows the Salesforce Setup interface with the following details:

**Object Manager** > **Supplier**

**Details** tab selected.

**Fields & Relationships** sidebar:

- Description
- API Name: Supplier\_object\_c
- Custom:
- Singular Label: Supplier
- Plural Label: Suppliers

**Details** section:

- Description
- Enable Reports:
- Track Activities
- Track Field History
- Deployment Status: Deployed
- Help Settings: Standard salesforce.com Help Window

**Edit** and **Delete** buttons are at the top right.

- created a custom object order item.

The screenshot shows the Salesforce Setup interface with the following details:

**Object Manager** > **Order Item**

**Details** tab selected.

**Fields & Relationships** sidebar:

- Description
- API Name: Order\_Item\_\_c
- Custom:
- Singular Label: Order Item
- Plural Label: Order Items

**Details** section:

- Description
- Enable Reports:
- Track Activities
- Track Field History
- Deployment Status: Deployed
- Help Settings: Standard salesforce.com Help Window

**Edit** and **Delete** buttons are at the top right.

- This page shows that five custom tabs.

The screenshot shows the Salesforce Setup interface with the 'Tabs' section selected. The left sidebar has 'User Interface' expanded, with 'Tabs' selected. The main area is titled 'Custom Tabs' and contains four sections: 'Custom Object Tabs', 'Web Tabs', 'Visualforce Tabs', and 'Lightning Component Tabs'. The 'Custom Object Tabs' section lists five tabs with the label 'Stethoscope' and the action 'Edit | Del':

Action	Label	Tab Style	Description
Edit   Del	Inventory Transactions	Stethoscope	
Edit   Del	Order Items	Stethoscope	
Edit   Del	Products	Stethoscope	
Edit   Del	Purchase Orders	Stethoscope	
Edit   Del	Suppliers	Stethoscope	

The other sections show no defined tabs:

- Web Tabs:** No Web Tabs have been defined.
- Visualforce Tabs:** No Visualforce Tabs have been defined.
- Lightning Component Tabs:** No Lightning component tabs have been defined.

- It can edit the app and app details which will be displayed.

The screenshot shows the Lightning App Builder interface with the 'App Details & Branding' section selected. The left sidebar has 'App Settings' expanded, with 'App Details & Branding' selected. The main area is titled 'App Details & Branding' and contains fields for 'App Details' and 'App Branding'.

**App Details**

- App Name:** Medical Inventory Management
- Developer Name:** Medical\_Inventory\_Management
- Description:** Enter a description...

**App Branding**

- Image:** A placeholder image of a stethoscope.
- Primary Color Hex Value:** #0070D2
- Org Theme Options:** A checkbox for 'Use the app's image and color instead of the org's custom theme'.

**App Launcher Preview:** A preview window showing the app icon and the text 'Medical Inventory Manage...'.

- Created the fields & Relationship in product.

The screenshot shows the Salesforce Setup interface with the Object Manager selected. Under the Product object, the Fields & Relationships tab is active. The table lists the following fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Current Stock Level	Current_Stock_Level_c	Number(18, 0)		
Expiry Date	Expiry_Date_c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Minimum Stock Level	Minimum_Stock_Level_c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓
Product Description	Product_Description_c	Text Area(255)		
Product ID	Name	Text(80)		✓
Product Name	Product_Name_c	Text(255)		
Unit Price	Unit_Price_c	Currency(16, 2)		

- Created the field & Relationship in purchase order.

The screenshot shows the Salesforce Setup interface with the Object Manager selected. Under the Purchase Order object, the Fields & Relationships tab is active. The table lists the following fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Actual Delivery Date	Actual_Delivery_Date_c	Date		
Created By	CreatedById	Lookup(User)		
Expected Delivery Date	Expected_Delivery_Date_c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Order Count	Order_Count_c	Number(18, 0)		
Order Date	Order_Date_c	Date		
Owner	OwnerId	Lookup(User,Group)		✓
Purchase Order ID	Name	Text(80)		✓
Supplier ID	Supplier_ID_c	Lookup(Supplier)		✓
Total Order Cost	Total_Order_Cost_c	Number(16, 2)		

- Created the field & Relationship in inventory transaction.

The screenshot shows the Salesforce Object Manager interface for the 'Inventory Transaction' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, etc. The main content area displays the 'Fields & Relationships' section with 8 items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The indexed column contains checkmarks for Owner, Purchase Order ID, and Transaction ID.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Purchase Order ID	Purchase_Order_ID_c	Lookup(Purchase Order)		✓
Total Order Cost	Total_Order_Cost_c	Formula (Currency)		▼
Transaction Date	Transaction_Date_c	Date		▼
Transaction ID	Name	Text(80)		✓
Transaction Type	Transaction_Type_c	Picklist		▼

- Created the field & Relationship in supplier.

The screenshot shows the Salesforce Object Manager interface for the 'Supplier' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, etc. The main content area displays the 'Fields & Relationships' section with 9 items. The indexed column contains checkmarks for Owner and Supplier ID.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Text Area(255)		▼
Contact Person	Contact_Person_c	Text(80)		▼
Created By	CreatedBy	Lookup(User)		
Email	Email_c	Email		▼
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone Number	Phone_Number_c	Phone		▼
Supplier ID	Name	Text(80)		✓
Supplier Name	Supplier_Name_c	Text(80)		▼

- created the field & Relationship in order item.

The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Search Setup, Home, Object Manager
- Breadcrumbs:** SETUP > OBJECT MANAGER
- Section:** Order Item
- Left Sidebar:** Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Object Access, Triggers.
- Table:** Fields & Relationships (9 Items, Sorted by Field Label)
 

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Formula (Currency)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Order Item ID	Name	Text(80)		✓
product ID	product_ID__c	Lookup(Product)		✓
Purchase Order ID	Purchase_Order_ID__c	Master-Detail(Purchase Order)		✓
Quantity Ordered	Quantity_Ordered__c	Number(18, 0)		
Quantity Received	Quantity_Received__c	Number(16, 2)		
Unit Price	Unit_Price__c	Formula (Currency)		

- created the page layouts in product.

The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Search Setup, Home, Object Manager
- Breadcrumbs:** SETUP > OBJECT MANAGER
- Section:** Product
- Left Sidebar:** Details, Fields & Relationships, Page Layouts (selected), Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Object Access, Triggers.
- Form:** Layout Properties
 

Fields	Expiry Date	Product Description
Buttons	Blank Space	Product ID
Quick Actions	Last Modified By	Product Name
Mobile & Lightning Actions	Minimum Stock Level	
Expanded Lookups	Current Stock Level	Unit Price
Related Lists	Owner	

Salesforce Mobile and Lightning Experience Actions: Actions in this section are predefined by Salesforce. You can override the predefined actions to set a customized list of actions on Lightning Experience and mobile app pages that use this layout. If you customize the actions in the Quick Actions in the Salesforce Classic Publisher section, and have saved the layout, then this section inherits that set of actions by default when you click to override.

**Product Detail** (Standard Buttons: Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Sharing, Sharing Hierarchy, Edit Labels, Custom Buttons)

Information (Header visible on edit only)	Product ID: Sample Text	Unit Price: \$123.45
Product Name: Sample Text	Current Stock Level: 79,848	
Product Description: Sample Text	Minimum Stock Level: 37,182	
	Owner: Sample Text	

System Information (Header visible on edit only): Created By: Sample Text, Last Modified By: Sample Text

Custom Links (Header visible on edit only):

- Created the page layouts in purchase order.

The screenshot shows the Salesforce Setup interface under the Object Manager section for the Purchase Order object. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts (which is selected), Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Object Access, and Triggers. The main area displays the 'Purchase Order Detail' page layout. At the top, there are standard buttons for Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Sharing, Sharing Hierarchy, and Edit Labels. Below these are sections for Information, System Information, and Custom Links. A 'Mobile Cards (Salesforce mobile only)' section is also present. On the right, there's a 'Layout Properties' panel showing a list of fields: Section, Expected Delivery..., Owner, Purchase Order ID, Blank Space, Last Modified By, Order Count, Actual Delivery Date, Supplier ID, Created By, Order Date, Label, Supplier ID, Name\_Supplier\_ID, and Type\_Lookup. The 'Label, Supplier ID, Name\_Supplier\_ID, and Type\_Lookup' fields are highlighted in yellow, indicating they are currently in use.

- Created for page layout in inventory transactions.

The screenshot shows the Salesforce Setup interface under the Object Manager section for the Inventory Transaction object. The left sidebar lists similar configuration options as the previous screenshot. The main area displays the 'Inventory Transaction Detail' page layout. It includes sections for Information, System Information, and Custom Links, along with a 'Mobile Cards (Salesforce mobile only)' section. A note at the top states: 'Actions in this section are predefined by Salesforce. You can override the predefined actions to set a customized list of actions on Lightning Experience and mobile app pages that use this layout. If you customize the actions in the Quick Actions in the Salesforce Classic Publisher section, and have saved the layout, then this section inherits that set of actions by default when you click to override.' On the right, there's a 'Layout Properties' panel showing a list of fields: Section, Owner, Transaction ID, Purchase Order ID, Transaction Type, Blank Space, Total Order Cost, Created By, Transaction Date, Last Modified By, and Transaction Date. The 'Total Order Cost' field is highlighted in yellow.

- Created the page layouts in supplier.

The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Search Setup, Home, Object Manager
- Page Title:** SETUP > OBJECT MANAGER Supplier
- Left Sidebar:**
  - Details
  - Fields & Relationships
  - Page Layouts** (selected)
  - Lightning Record Pages
  - Buttons, Links, and Actions
  - Compact Layouts
  - Field Sets
  - Object Limits
  - Record Types
  - Related Lookup Filters
  - Search Layouts
  - List View Button Layout
  - Restriction Rules
  - Scoping Rules
  - Object Access
  - Triggers
- Fields Section:**

Section	Created By	Phone Number
Blank Space	Email	Supplier ID
Address	Last Modified By	Supplier Name
Contact Person	Owner	
- Salesforce Mobile and Lightning Experience Actions:** Standard Buttons: Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Sharing, Sharing Hierarchy, Edit Labels. Custom Buttons: None.
- Supplier Detail:**
  - Information (Header visible on edit only):
 

Supplier ID	Sample Text	Phone Number	1-415-555-1212
Supplier Name	Sample Text	Email	sarah.sample@company.com
Contact Person	Sample Text	Address	Sample Text
		Owner	Sample Text
  - System Information (Header visible on edit only):
 

Created By	Sample Text	Last Modified By	Sample Text
------------	-------------	------------------	-------------
  - Custom Links (Header visible on edit only): None.
- Mobile Cards (Salesforce mobile only):** None.

- Created the page layouts in order item.

The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Search Setup, Home, Object Manager
- Page Title:** SETUP > OBJECT MANAGER Order Item
- Left Sidebar:**
  - Details
  - Fields & Relationships
  - Page Layouts** (selected)
  - Lightning Record Pages
  - Buttons, Links, and Actions
  - Compact Layouts
  - Field Sets
  - Object Limits
  - Record Types
  - Related Lookup Filters
  - Search Layouts
  - List View Button Layout
  - Restriction Rules
  - Scoping Rules
  - Object Access
  - Triggers
- Fields Section:**

Section	Last Modified By	Quantity Ordered
Blank Space	Order Item ID	Quantity Received
Amount	product ID	Unit Price
Created By	Purchase Order ID	
- Salesforce Mobile and Lightning Experience Actions:** Standard Buttons: Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Edit Labels. Custom Buttons: None.
- Order Item Detail:**
  - Information (Header visible on edit only):
 

Order Item ID	Sample Text	Purchase Order ID	Sample Text
Amount	\$123.45	Quantity Ordered	87,951
product ID	Sample Text	Quantity Received	14,94
Unit Price	\$123.45		
  - System Information (Header visible on edit only):
 

Created By	Sample Text	Last Modified By	Sample Text
------------	-------------	------------------	-------------
  - Custom Links (Header visible on edit only): None.
- Mobile Cards (Salesforce mobile only):** None.

- It displays the product compact layout.

The screenshot shows the Salesforce Setup interface for the 'Product' object. The left sidebar has a 'Compact Layouts' section selected. The main content area displays the 'Product Compact Layout' configuration. The layout detail table includes:

	Label	Product Compact Layout	Object Name	Product
API Name	Product_Compact_Layout			
Included Fields	Product Name Unit Price Current Stock Level			
Created By	vinumithra A 9/5/2025, 11:07 PM		Modified By	vinumithra A 9/5/2025, 11:07 PM

Buttons at the bottom of the detail table: Edit, Clone, Delete, Compact Layout Assignment.

- It displays the purchase order compact layout.

The screenshot shows the Salesforce Setup interface for the 'Purchase Order' object. The left sidebar has a 'Compact Layouts' section selected. The main content area displays the 'Purchase Order Compact Layout' configuration. The layout detail table includes:

	Label	Purchase Order Compact Layout	Object Name	Purchase Order
API Name	Purchase_Order_Compact_Layout			
Included Fields	Purchase Order ID Order Date Total Order Cost Supplier ID			
Created By	vinumithra A 9/5/2025, 11:10 PM		Modified By	vinumithra A 9/5/2025, 11:10 PM

Buttons at the bottom of the detail table: Edit, Clone, Delete, Compact Layout Assignment.

- This page displays the purchase order validation rule.

The screenshot shows the 'Purchase Order' object in the 'Object Manager'. A validation rule named 'Expected\_Delivery\_Date\_Validation' is selected. The rule details are as follows:

- Rule Name:** Expected\_Delivery\_Date\_Validation
- Error Condition Formula:** (Expected\_Delivery\_Date\_\_c > Order\_Date\_\_c) > 7
- Error Message:** The Expected Delivery Date should not exceed 7 days.
- Description:** (empty)
- Created By:** vinumithra\_A (9/5/2025, 11:17 PM)
- Active:** ✓
- Error Location:** Top of Page
- Modified By:** vinumithra\_A (9/5/2025, 11:17 PM)

The left sidebar lists various configuration options for the Purchase Order object, including Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Object Access, and Triggers.

- Created the manager roles in roles setup page.

The screenshot shows the 'Roles' setup page under the 'Object Manager'. The page displays a hierarchical list of roles:

- Root Roles:**
  - COO
  - SVP, Customer Service & Support
  - SVP, Human Resources
  - SVP, Sales & Marketing
  - VP, International Sales
  - VP, Marketing
  - VP, North American Sales
- Sub-roles:**
  - SVP, Customer Service & Support:
    - Customer Support, International
    - Customer Support, North America
    - Installation & Repair Services
  - SVP, Human Resources:
    - Add Role
  - SVP, Sales & Marketing:
    - Inventory Manager
    - Purchasing Manager
  - VP, International Sales:
    - Add Role
  - VP, Marketing:
    - Marketing Team
  - VP, North American Sales:
    - Director, Channel Sales
    - Channel Sales Team
  - Director, Direct Sales

The left sidebar shows navigation categories like Users, Feature Settings, Sales, Service, Case Teams, and Case Team Roles.

- Created two users.

User Detail

**John PurchaseM**

Name: John PurchaseM  
Email: john1017@gmail.com  
Nickname: User17571404006855256177  
Title: j pur  
Company: **User: John PurchaseM - Salesforce - Developer Edition**  
Department: **Division**  
Time Zone: (GMT-07:00) Pacific Daylight Time (America/Los\_Angeles)  
Locale: English (United States)  
Language: English  
Delegated Approver: Manager  
Receive Approval Request Emails: Only if I am an approver  
Federation ID:  
App Registration: One-Time Password Authenticator  
App Registration: Salesforce Authenticator  
Security Key (2FA or WebAuthn)

Role: Purchasing Manager  
User License: Salesforce Platform  
Profile: Standard Platform User  
Active:   
Marketing User:   
Offline User:   
Knowledge User:   
Flow User:   
Service Cloud User:   
Site.com Contributor User:   
Site.com Publisher User:   
WDC User:   
Mobile Push Registrations:   
Data.com User Type:   
Accessibility Mode (Classic Only):   
Debug Mode:   
High-Contrast Palette on Charts:   
Load Lightning Pages While Scrolling:   
Salesforce CRM Content User:   
Receive Salesforce CRM Content Email Alerts:

User Detail

**Ram Krishna**

Name: Ram Krishna  
Email: mskrish@gmail.com  
Nickname: User1759437218082713255  
Title: krish  
Company: **Division**  
Address: **Address**  
Time Zone: (GMT-07:00) Pacific Daylight Time (America/Los\_Angeles)  
Locale: English (United States)  
Language: English  
Delegated Approver: Manager  
Receive Approval Request Emails: Only if I am an approver  
Federation ID:  
App Registration: One-Time Password Authenticator  
App Registration: Salesforce Authenticator  
Security Key (2FA or WebAuthn)

Role: Inventory Manager  
User License: Salesforce  
Profile: Inventory Manager  
Active:   
Marketing User:   
Offline User:   
Knowledge User:   
Flow User:   
Service Cloud User:   
Site.com Contributor User:   
Site.com Publisher User:   
WDC User:   
Mobile Push Registrations:   
Data.com User Type:   
Accessibility Mode (Classic Only):   
Debug Mode:   
High-Contrast Palette on Charts:   
Load Lightning Pages While Scrolling:   
Salesforce CRM Content User:   
Receive Salesforce CRM Content Email Alerts:

- It shows the permission sets.

The screenshot shows the Salesforce Setup interface with the following details:

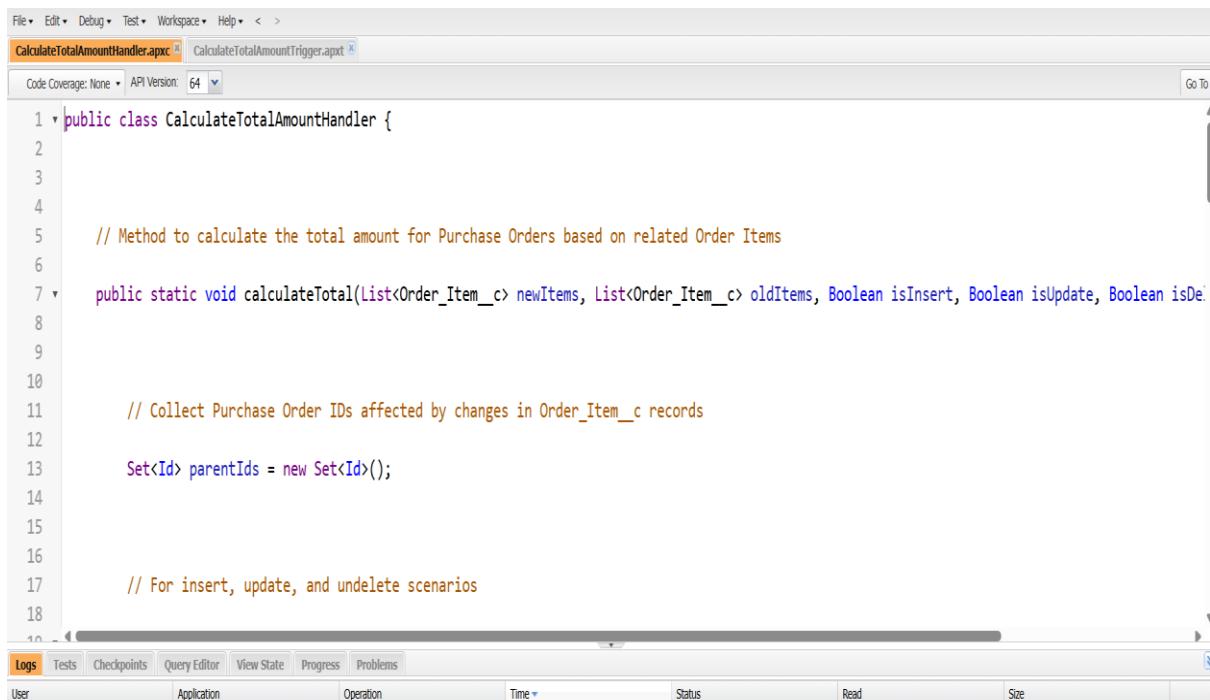
- Header:** Includes the Salesforce logo, "Setup" button, "Home" link, "Object Manager" dropdown, a search bar ("Search Setup"), and various navigation icons.
- Left Sidebar:**
  - "Users" section: "Permission Set Groups" (selected), "Permission Sets".
  - "Custom Code" section: "Custom Permissions".
  - A message: "Didn't find what you're looking for? Try using Global Search."
- Content Area:**
  - Section Header:** "Permission Sets".
  - Description:** "On this page you can create, view, and manage permission sets."
  - Buttons:** "All Permission Sets" dropdown, "Edit | Delete | Create New View", "New", and a refresh icon.
  - Table:** A list of permission sets with columns: "Action", "Permission Set Name", "Description", and "License". The table includes rows for "Partner Connect Partner Admin Setup", "Payments Administrator", "Prompt Template Manager", "Prompt Template User", "PromptTemplatePermSet", "Publish Suggested for You Nudges Integration User", and "Purchase Manager Create Access".
  - Page Navigation:** "A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other" and "Page 1 of 1".

- Created the flow builder.

The screenshot shows the Salesforce Flow Builder interface with the following details:

- Header:** "Flow Builder" tab, "Actual Delivery Date Updating - V1" flow name, and various buttons like "Run", "Debug", "View Tests", "Save As New Version", "Save", and "Deactivate".
- Toolbox:** "Elements Manager" with categories: "Interaction (1)", "Logic (5)", "Data (2)". Specific items shown include "Custom Error", "Assignment", "Decision", "Loop", "Collection Sort", "Collection Filter", "Update Records", and "Get Records".
- Flow Designer:**
  - Start:** "Record-Triggered Flow" starting on "Purchase Order" object with trigger "A record is created or updated" and optimization "Fast Field Updates".
  - Get Records:** "Get Purchase Record" action.
  - Assignment:** "Assignment" action.
  - End:** "Z" icon representing the end of the flow.
- Bottom Bar:** Buttons for "Edit", "Delete", and "New", and a link "Get more on the AppExchange".

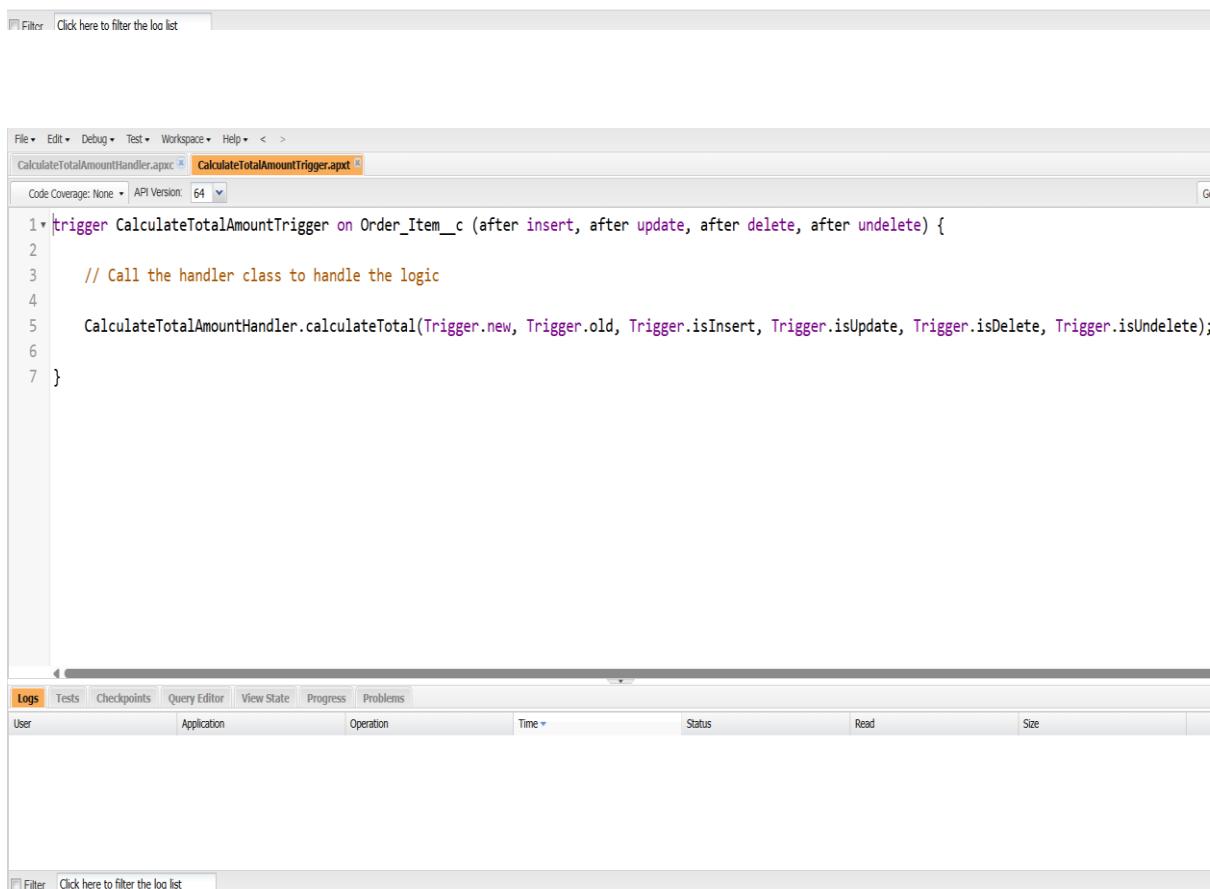
- Created the trigger and classes for Calculating.



```

1 public class CalculateTotalAmountHandler {
2
3
4
5     // Method to calculate the total amount for Purchase Orders based on related Order Items
6
7     public static void calculateTotal(List<Order_Item_c> newItems, List<Order_Item_c> oldItems, Boolean isInsert, Boolean isUpdate, Boolean isDelete, Boolean isUndelete) {
8
9         // Collect Purchase Order IDs affected by changes in Order_Item_c records
10
11        Set<Id> parentIds = new Set<Id>();
12
13
14
15
16        // For insert, update, and undelete scenarios
17
18    }

```



```

1 trigger CalculateTotalAmountTrigger on Order_Item_c (after insert, after update, after delete, after undelete) {
2
3     // Call the handler class to handle the logic
4
5     CalculateTotalAmountHandler.calculateTotal(Trigger.new, Trigger.old, Trigger.isInsert, Trigger.isUpdate, Trigger.isDelete, Trigger.isUndelete);
6
7 }

```

- Created two reports in the medical inventory management.

**Report: Purchase Orders with Order Items and product ID  
Complete Purchase Details Report**

Total Records	Total Order Count	Total Quantity Received	Total Amount																																																																																									
4	121	189.00	\$113,250.00																																																																																									
<input type="checkbox"/> Supplier ID <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Actual Delivery Date <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Purchase Order: Purchase Order ID <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> product ID: Product ID <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> product ID: Product Name <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Order Count <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Quantity Received <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Amount <span style="font-size: small;">▲ ▼</span>																																																																																												
<table border="1"> <tr> <td><input type="checkbox"/> supplier 001 (1)</td> <td>3/1/2025 (1)</td> <td>ID 001 (1)</td> <td>product 003</td> <td>surgical instruments</td> <td>15</td> <td>50.00</td> <td>\$32,500.00</td> </tr> <tr> <td colspan="4">Subtotal</td> <td></td> <td>15</td> <td>50.00</td> <td>\$32,500.00</td> </tr> <tr> <td colspan="4">Subtotal</td> <td></td> <td>15</td> <td>50.00</td> <td>\$32,500.00</td> </tr> <tr> <td><input type="checkbox"/> supplier 002 (1)</td> <td>3/1/2025 (1)</td> <td>ID 004 (1)</td> <td>product 004</td> <td>Equipment</td> <td>56</td> <td>45.00</td> <td>\$27,000.00</td> </tr> <tr> <td colspan="4">Subtotal</td> <td></td> <td>56</td> <td>45.00</td> <td>\$27,000.00</td> </tr> <tr> <td colspan="4">Subtotal</td> <td></td> <td>56</td> <td>45.00</td> <td>\$27,000.00</td> </tr> <tr> <td><input type="checkbox"/> supplier 003 (2)</td> <td>3/1/2025 (2)</td> <td>ID 002 (2)</td> <td>product 003</td> <td>surgical instruments</td> <td>50</td> <td>45.00</td> <td>\$29,250.00</td> </tr> <tr> <td colspan="4">Subtotal</td> <td>product 001</td> <td>Diagnostic kits &amp; reagents</td> <td>50</td> <td>49.00</td> <td>\$24,500.00</td> </tr> <tr> <td colspan="4">Subtotal</td> <td></td> <td>50</td> <td>94.00</td> <td>\$53,750.00</td> </tr> <tr> <td colspan="4">Subtotal</td> <td></td> <td>50</td> <td>94.00</td> <td>\$53,750.00</td> </tr> <tr> <td colspan="4">Total (4)</td> <td></td> <td>121</td> <td>189.00</td> <td>\$113,250.00</td> </tr> </table>				<input type="checkbox"/> supplier 001 (1)	3/1/2025 (1)	ID 001 (1)	product 003	surgical instruments	15	50.00	\$32,500.00	Subtotal					15	50.00	\$32,500.00	Subtotal					15	50.00	\$32,500.00	<input type="checkbox"/> supplier 002 (1)	3/1/2025 (1)	ID 004 (1)	product 004	Equipment	56	45.00	\$27,000.00	Subtotal					56	45.00	\$27,000.00	Subtotal					56	45.00	\$27,000.00	<input type="checkbox"/> supplier 003 (2)	3/1/2025 (2)	ID 002 (2)	product 003	surgical instruments	50	45.00	\$29,250.00	Subtotal				product 001	Diagnostic kits & reagents	50	49.00	\$24,500.00	Subtotal					50	94.00	\$53,750.00	Subtotal					50	94.00	\$53,750.00	Total (4)					121	189.00	\$113,250.00
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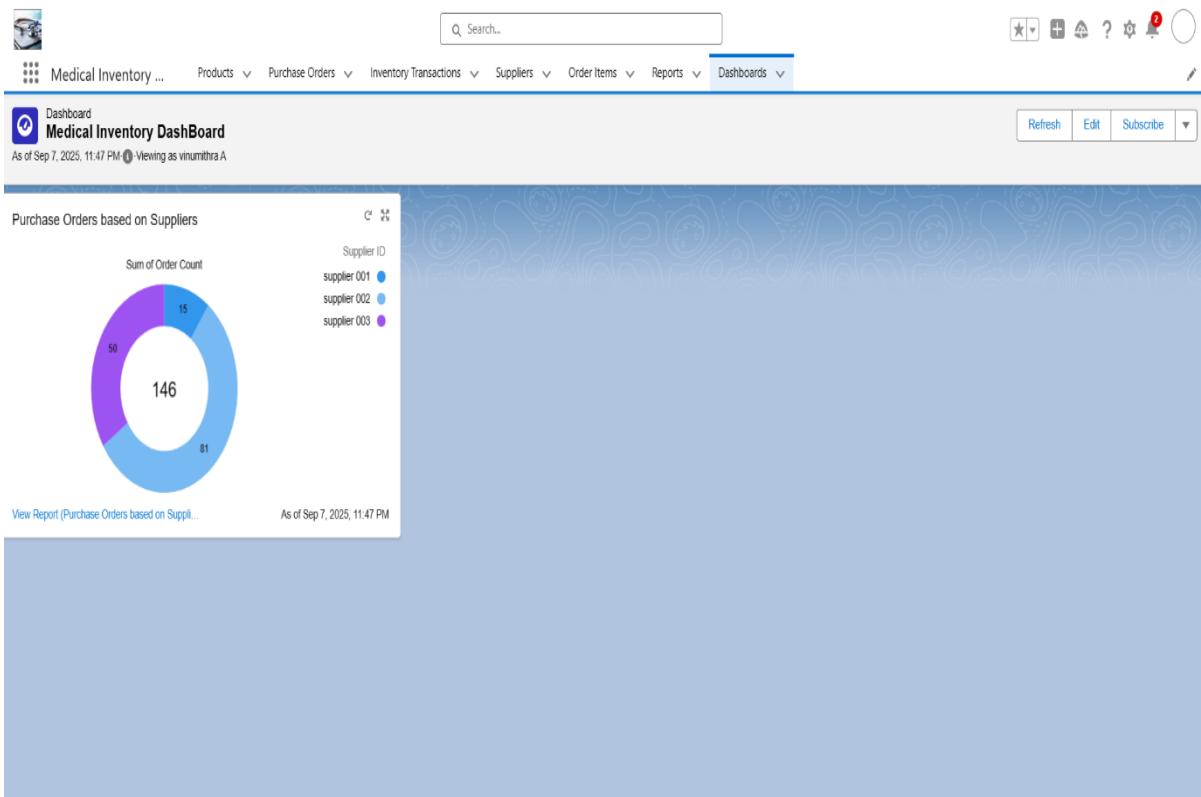
Row Counts  Detail Rows  Subtotals  Grand Total

**Report: Purchase Orders  
Purchase Orders based on Suppliers**

Total Records	Total Order Count	Total Total Order Cost																				
4	146	123,250.00																				
<input type="checkbox"/> Supplier ID <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Purchase Order: Purchase Order ID <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Order Count <span style="font-size: small;">▲ ▼</span> <input type="checkbox"/> Total Order Cost <span style="font-size: small;">▲ ▼</span>																						
<table border="1"> <tr> <td><input type="checkbox"/> supplier 001 (1)</td> <td>ID 001 (1)</td> <td>15</td> <td>32,500.00</td> </tr> <tr> <td><input type="checkbox"/> supplier 002 (2)</td> <td>ID 003 (1)</td> <td>25</td> <td>10,000.00</td> </tr> <tr> <td></td> <td>ID 004 (1)</td> <td>56</td> <td>27,000.00</td> </tr> <tr> <td><input type="checkbox"/> supplier 003 (1)</td> <td>ID 002 (1)</td> <td>50</td> <td>53,750.00</td> </tr> <tr> <td colspan="2">Total (4)</td> <td>146</td> <td>123,250.00</td> </tr> </table>			<input type="checkbox"/> supplier 001 (1)	ID 001 (1)	15	32,500.00	<input type="checkbox"/> supplier 002 (2)	ID 003 (1)	25	10,000.00		ID 004 (1)	56	27,000.00	<input type="checkbox"/> supplier 003 (1)	ID 002 (1)	50	53,750.00	Total (4)		146	123,250.00
<input type="checkbox"/> supplier 001 (1)	ID 001 (1)	15	32,500.00																			
<input type="checkbox"/> supplier 002 (2)	ID 003 (1)	25	10,000.00																			
	ID 004 (1)	56	27,000.00																			
<input type="checkbox"/> supplier 003 (1)	ID 002 (1)	50	53,750.00																			
Total (4)		146	123,250.00																			

Row Counts  Detail Rows  Subtotals  Grand Total

- Finally it displays the medical inventory management dashboard.



## CONCLUSION

Effective medical inventory management plays a crucial role in ensuring the uninterrupted availability of essential medicines, equipment, and supplies in healthcare facilities. By adopting systematic tracking, accurate demand forecasting, and technology-driven solutions, hospitals and clinics can minimize stockouts, reduce wastage, and optimize costs.

A well-implemented inventory management system not only improves operational efficiency but also enhances patient safety and care by ensuring that the right medical products are available at the right time. With the integration of digital tools such as barcoding, RFID, and automated software, healthcare providers can achieve greater transparency, accountability, and data-driven decision-making.