

PROJECT TITLE: Medical Inventory Management System

College Name: TERF's Academy College of Arts and Science
College Code: bru5e

TEAM ID: NM2025TMID27527

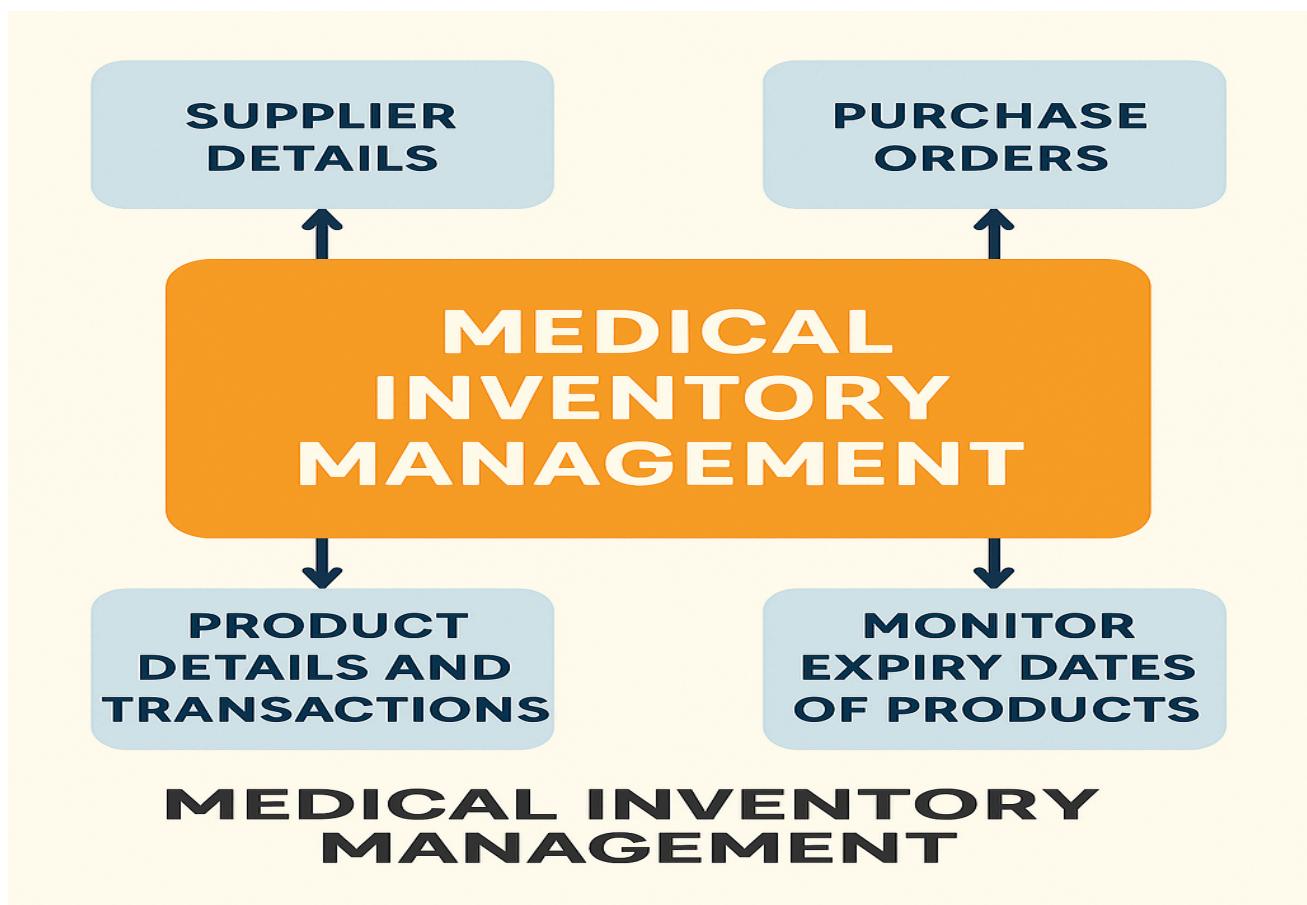
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INTRODUCTION

Project Overview

The Medical Inventory Management System is a comprehensive Salesforce application designed to streamline and manage various operational aspects of the medical inventory. It can efficiently maintain supplier details, manage purchase orders, track product details and transactions, and monitor expiry dates of products, thereby improving operational efficiency, data accuracy, and reporting capabilities.



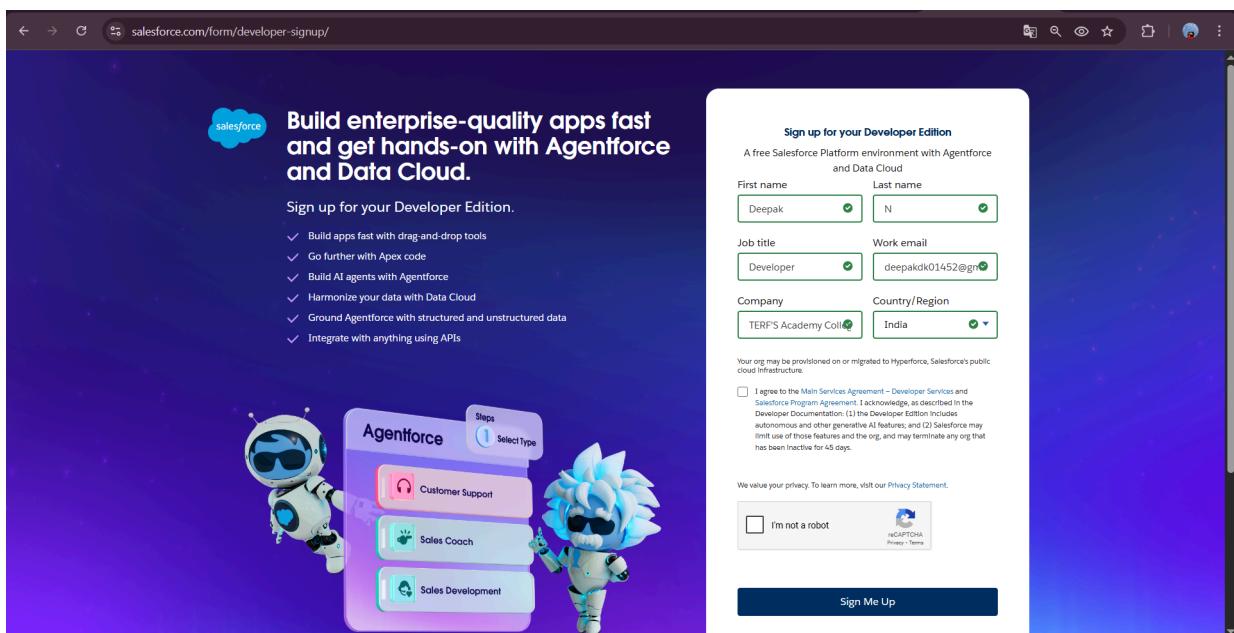
Purpose

The system aims to efficiently maintain supplier details, manage purchase orders, track product details and transactions, and monitor the expiry dates of products. Maintain detailed records of suppliers, including contact information. Catalog product information, including descriptions, stock levels. Monitor and track product expiry dates to avoid using expired items. Comprehensive reports to track supplier performance, and purchase orders.

DEVELOPMENT PHASE

Creation of Developer Account

- A Salesforce Developer account was created using the signup link:
<https://www.salesforce.com/form/developer-signup>



Creating a Product Object

A screenshot of the Salesforce Setup interface, specifically the Object Manager. The top navigation bar shows "Setup" and "Object Manager". The left sidebar lists various setup categories like "Fields & Relationships", "Page Layouts", "Lightning Record Pages", etc. The main area is titled "Product" under "SETUP > OBJECT MANAGER". On the right, there's a "Details" tab with fields for "Description", "API Name" (set to "Product__c"), "Custom" (checked), "Singular Label" (set to "Product"), and "Plural Label" (set to "Products"). Other tabs include "Enable Reports" (checked), "Track Activities", "Track Field History", "Deployment Status" (set to "Deployed"), and "Help Settings" (set to "Standard salesforce.com Help Window"). At the bottom right are "Edit" and "Delete" buttons.

Creating a tab for Product Object and Remaining Tabs

The screenshot shows the Salesforce Setup interface for Custom Tabs. The left sidebar has 'User Interface' expanded, with 'Tabs' selected. The main content area is titled 'Custom Tabs' and contains three sections: 'Custom Object Tabs', 'Web Tabs', and 'Visualforce Tabs'. The 'Custom Object Tabs' section lists five tabs with icons: Inventory Transactions (hands), Order Items (box), Products (stethoscope), Purchase Orders (shopping cart), and Suppliers (truck). A note at the bottom says 'No Web Tabs have been defined' and 'No Visualforce Tabs have been defined'.

Create a Lightning App for Medical Inventory Management

The screenshot shows the Salesforce Setup interface for Navigation Menus. The left sidebar has 'Data' expanded, with 'Apps' selected. The main content area is titled 'Lightning Experience App Manager' and displays a table of 27 items. The table columns are: App Name, Developer Name, Description, Last Modified, App Type, and Vi... (View). The table includes rows for Digital Experiences, Lightning Usage App, Marketing CRM Classic, Medical Inventory Management, My Service Journey, Platform, Queue Management, Sales, Sales Cloud Mobile, Sales Console, and Sales Chatter.

Creating a Text Field in Product Object

The screenshot shows the Salesforce Setup interface for the Product object. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' and displays a table of fields. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The indexed column contains checkmarks for several fields: Owner, Product ID, and Product Name.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Current Stock Level	Current_Stock_Level_c	Number(18, 0)		
Expiry Date	Expiry_Date__c	Date		
Last Modified By	LastModifiedBy	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)		

Creating Lookup Relationship in Purchase Order Object

The screenshot shows the Salesforce Setup interface for the Purchase Order object. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' and displays a table of fields. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The indexed column contains checkmarks for several fields: Order Count, Order Date, Owner, Purchase Order ID, Supplier ID, and Total Order Cost.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Actual Delivery Date	Actual_Delivery_Date__c	Date		
Created By	CreatedBy	Lookup(User)		
Expected Delivery Date	Expected_Delivery_Date__c	Date		
Last Modified By	LastModifiedBy	Lookup(User)		
Order Count	Order_Count_c	Roll-Up Summary (COUNT Order Item)		
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	Currency(16, 2)		

Creating a Unit Price Formula Field in Order Item object

The screenshot shows the Salesforce Object Manager interface for the 'Order Item' object. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' and displays 10 items, sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. The 'Unit Price' field is highlighted.

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(18, 0)		
Total Order Cost	Total_Order_Cost__c	Formula (Currency)		
Unit Price	Unit_Price__c	Formula (Currency)		

Creating a Picklist Field in Inventory Transaction Object

The screenshot shows the Salesforce Object Manager interface for the 'Inventory Transaction' object. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' and displays 5 items, sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. The 'Transaction Type' field is highlighted.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Inventory Transaction ID	Name	Text(80)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		
Transaction Type	Transaction_Type__c	Picklist		

To edit a Page Layout in Product Object

The screenshot shows the Salesforce Setup interface for the Product object. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, etc. The 'Page Layouts' section is currently selected. The main area displays the 'Product Detail' page layout. At the top, there are buttons for Save, Quick Save, Preview As..., Cancel, Undo, Redo, and Layout Properties. A 'Fields' section shows fields like Expiry Date, Last Modified By, Product Description, Product ID, Minimum Stock Level, Product Name, Current Stock Level, Owner, and Unit Price. Below this is a 'Product Detail' section with a table showing sample data for Product ID, Product Name, Unit Price, Current Stock Level, Minimum Stock Level, and Owner. There are also sections for System Information and Custom Links. Standard buttons at the bottom include Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Sharing, Sharing Hierarchy, and Edit Labels.

To edit a Page Layout in Purchase Order Object

The screenshot shows the Salesforce Setup interface for the Purchase Order object. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, etc. The 'Page Layouts' section is currently selected. The main area displays the 'Purchase Order Detail' page layout. At the top, there are buttons for Save, Quick Save, Preview As..., Cancel, Undo, Redo, and Layout Properties. A 'Fields' section shows fields like Expected Delivery..., Last Modified By, Owner, Purchase Order ID, Actual Delivery Date, Order Count, Supplier ID, Created By, Order Date, and Total Order Cost. Below this is a 'Purchase Order Detail' section with a table showing sample data for Purchase Order ID, Supplier ID, Order Date, Expected Delivery Date, Actual Delivery Date, Order Count, Total Order Cost, and Owner. There are also sections for System Information and Custom Links. Standard buttons at the bottom include Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Sharing, Sharing Hierarchy, and Edit Labels.

To edit a Page Layout in Order Item Object

The screenshot shows the Salesforce Setup interface for editing a page layout. The top navigation bar includes links for Home, Object Manager, and various system icons. The main title is "SETUP > OBJECT MANAGER Order Item". On the left, a sidebar lists various configuration options under "Page Layouts". The main workspace displays the "Fields" section of the page layout editor. It shows a table with columns for Field Name, Type, Last Modified By, and Description. Fields listed include Order Item ID, Section, Blank Space, Amount, Order Item ID, Last Modified By, Quantity Ordered, Product ID, Quantity Received, Created By, Purchase Order ID, Total Order Cost, and Unit Price. Below the fields, there are sections for "Information", "System Information", "Custom Links", and "Mobile Cards (Salesforce mobile only)". A note at the bottom says "Drag expanded lookups and mobile-enabled Visualforce pages here to display them as mobile cards." A "Related Lists" section is also present.

To edit a Page Layout in Inventory Transaction Object

The screenshot shows the Salesforce Setup interface for editing a page layout. The top navigation bar includes links for Home, Object Manager, and various system icons. The main title is "SETUP > OBJECT MANAGER Inventory Transaction". On the left, a sidebar lists various configuration options under "Page Layouts". The main workspace displays the "Fields" section of the page layout editor. It shows a table with columns for Field Name, Type, Last Modified By, and Description. Fields listed include Section, Blank Space, Created By, Transaction ID, Owner, Transaction Type, and Inventory Transac... Below the fields, there are sections for "Information", "System Information", "Custom Links", and "Mobile Cards (Salesforce mobile only)". A note at the bottom says "Drag expanded lookups and mobile-enabled Visualforce pages here to display them as mobile cards." A "Related Lists" section is also present.

To edit a Page Layout in Supplier Object

The screenshot shows the Salesforce Setup interface for editing a Page Layout. The URL is <https://orgfarm-58f3443d53-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgK0000022qCf/PageLayouts/00hgK000006uh6QAA/view>. The page title is "Supplier". The left sidebar lists various object settings like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, etc. The "Page Layouts" section is selected. The main area shows the "Supplier Detail" layout with fields like Supplier ID, Supplier Name, Contact Person, Phone Number, Email, Address, Last Modified By, and Owner. Buttons at the top include Save, Quick Save, Preview As..., Cancel, Undo, Redo, and Layout Properties. A toolbar below the layout includes Standard Buttons (Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Sharing, Sharing Hierarchy, Edit Labels) and Custom Buttons.

To create a Compact Layout to a Product Object

The screenshot shows the Salesforce Setup interface for creating a Compact Layout for the Product object. The URL is <https://orgfarm-58f3443d53-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgK0000022pi1/CompactLayouts/0AHgK000000Gxrf/edit>. The page title is "Product Compact Layout". The left sidebar lists object settings like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, and Compact Layouts. The "Compact Layouts" section is selected. The main area shows the "Edit Product Compact Layout" screen with a "Label" field set to "Product Compact Layout" and a "Name" field set to "Product_Compact_Layout". Below this is a "Select Compact Layout Fields" section where fields like Created By, Expiry Date, Last Modified By, Minimum Stock Level, Owner, and Product ID can be added to the "Selected Fields" list. The "Available Fields" list includes Unit Price, Product Name, Current Stock Level, Top, Up, Down, and Bottom buttons. A note at the bottom says "Use SHIFT + click to select adjacent fields. Use CTRL + click to select an assortment of fields."

To create a Compact Layout to a Purchase Order Object

The screenshot shows the Salesforce Setup interface for creating a compact layout for the Purchase Order object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The 'Compact Layouts' section is selected. The main area is titled 'Purchase Order Compact Layout' and contains a 'Compact Layout Edit' form. The 'Enter Compact Layout Information' section has 'Label' set to 'Purchase Order Compact L' and 'Name' set to 'Purchase_Order_Compact'. Below this is a 'Select Compact Layout Fields' section. On the left is a list of available fields: Actual Delivery Date, Created By, Expected Delivery Date, Last Modified By, Order Count, Owner, Purchase Order ID, Order Date, Total Order Cost, and Supplier ID. On the right is a 'Selected Fields' list with 'Purchase Order ID' at the top. Navigation buttons 'Add' and 'Remove' are between the two lists. A note at the bottom says 'Use SHIFT + click to select adjacent fields. Use CTRL + click to select an assortment of fields.' The top navigation bar includes a search bar and various setup icons.

To create an Expected Delivery Date Validation rule to a Employee Object

The screenshot shows the Salesforce Setup interface for creating a validation rule for the Purchase Order object. The left sidebar lists various setup categories. The 'Validation Rules' section is selected. The main area is titled 'Purchase Order Validation Rule' and contains a 'Validation Rule Detail' form. 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:** Deepak.N 9/5/2025, 11:25 PM
- Active:** checked
- Error Location:** Top of Page
- Modified By:** Deepak.N 9/5/2025, 11:25 PM

The top navigation bar includes a search bar and various setup icons.

To create an Inventory Manager Profile

The screenshot shows the Salesforce Setup interface for creating a new profile. The URL is <https://orgfarm-58f3443d53-dev-ed.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00egK000004jZB>. The page title is "Profiles". The profile being created is named "Inventory Manager". The "Profile Detail" section shows the name, user license (Salesforce), and creation details (Deepak.N on 9/5/2025). The "Page Layouts" section lists various standard object layouts and their assignments across different record types like Global, Email Application, Home Page Layout, Account, Alternative Payment Method, and Appointment Invitation.

To create an Purchase Manager Profile

The screenshot shows the Salesforce Setup interface for creating a new profile. The URL is <https://orgfarm-58f3443d53-dev-ed.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00egK000004jFmz>. The page title is "Profiles". The profile being created is named "Purchase Manager". The "Profile Detail" section shows the name, user license (Salesforce), and creation details (Deepak.N on 9/5/2025). The "Page Layouts" section lists various standard object layouts and their assignments across different record types like Global, Email Application, Home Page Layout, Account, Alternative Payment Method, and Appointment Invitation.

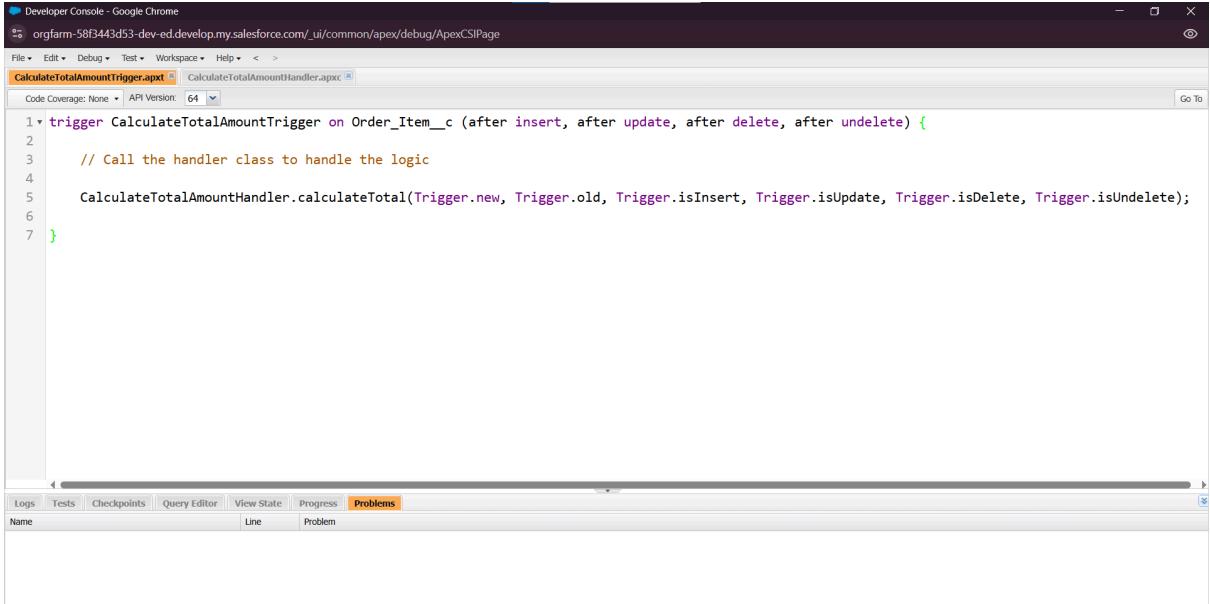
Create a Purchasing Manager Role.

The screenshot shows the Salesforce Setup Roles page. The URL is <https://orgfarm-58f3443d53-dev-ed.lightning.force.com/lightning/setup/Roles/page?address=%2F00EgK000003bcd%3fsetupid%3DRoles>. The page title is "Roles". The role being created is "Purchasing Manager". The "Role Detail" section shows the role reports to "SVP: Sales & Marketing" and was modified by "Deepak N" on 9/5/2025, 11:50 PM. It has "Opportunity Access" and "Case Access". The "Users in Purchasing Manager Role" section lists one user: "John PurchaseM" (Full Name: John PurchaseM, Alias: JohnP, Username: johnpurchaseM@test.com). The status is "Active".

Create Flow to update the Actual Delivery Date.

The screenshot shows the Salesforce Flow Builder interface. The flow is titled "Actual Delivery Date Updating - V1". The flow details indicate it is a "Record-Triggered Flow" for "Purchase Order" objects, triggered by "A record is created or updated" and optimized for "Fast Field Updates". The flow steps are: 1. Get Purchase Record (Get Records), 2. Assignment (Assignment), 3. Updating Purchasing Order (Update Records), and 4. End. The flow was last saved on 9/6/2025, 08:59 PM. Buttons at the bottom include "Select Elements", "Auto-Layout", "Run", "Debug", "View Tests", "Save As New Version", "Save", and "Deactivate".

Create a Trigger to Calculate total amount on Order Item.

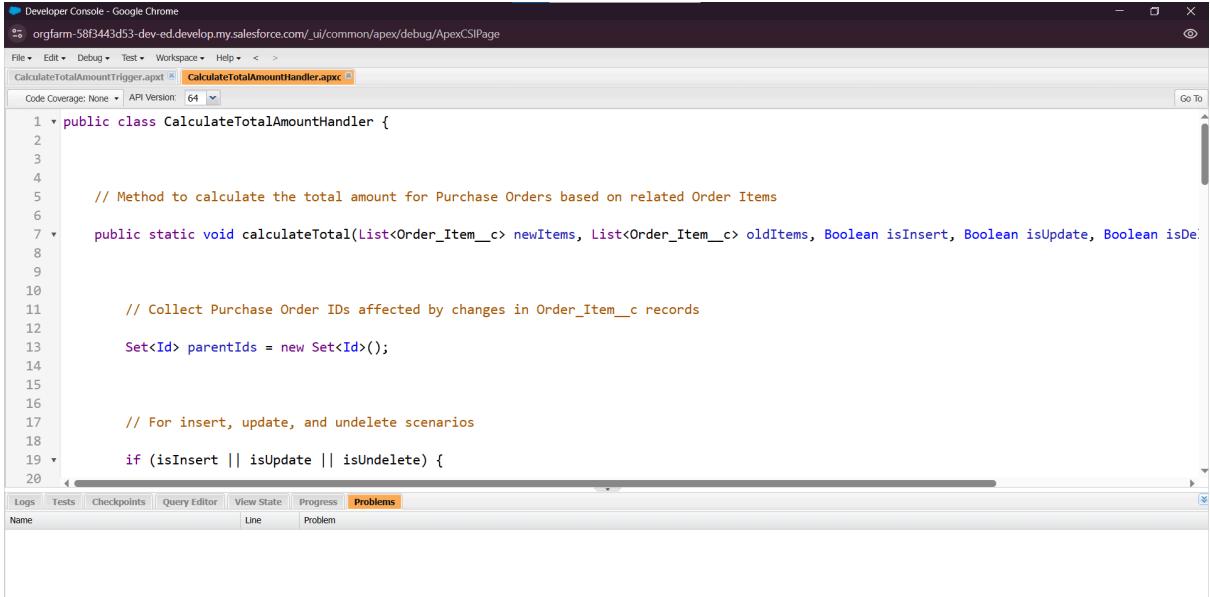


The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is orgfarm-58f3443d53-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage. The tab title is CalculateTotalAmountTrigger.apxt. The code editor contains the following Apex trigger:

```
trigger CalculateTotalAmountTrigger on Order_Item__c (after insert, after update, after delete, after undelete) {
    // Call the handler class to handle the logic
    CalculateTotalAmountHandler.calculateTotal(Trigger.new, Trigger.old, Trigger.isInsert, Trigger.isUpdate, Trigger.isDelete, Trigger.isUndelete);
}
```

The status bar at the bottom shows 'Logs Tests Checkpoints Query Editor View State Progress Problems'. The 'Problems' tab is selected, and the message 'No problems found' is displayed.

Choose Apex Class: Name it as CalculateTotalAmountHandler



The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is orgfarm-58f3443d53-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage. The tab title is CalculateTotalAmountHandler.apxc. The code editor contains the following Apex class:

```
public class CalculateTotalAmountHandler {
    // Method to calculate the total amount for Purchase Orders based on related Order Items
    public static void calculateTotal(List<Order_Item__c> newItems, List<Order_Item__c> oldItems, Boolean isInsert, Boolean isUpdate, Boolean isDelete, Boolean isUndelete) {
        // Collect Purchase Order IDs affected by changes in Order_Item__c records
        Set<Id> parentIds = new Set<Id>();

        // For insert, update, and undelete scenarios
        if (isInsert || isUpdate || isUndelete) {
    }
```

The status bar at the bottom shows 'Logs Tests Checkpoints Query Editor View State Progress Problems'. The 'Problems' tab is selected, and the message 'No problems found' is displayed.

Create a Purchase Orders based on Suppliers(Summary) Report

The screenshot shows a Salesforce Lightning report titled "Purchase Orders based on Suppliers". The report summary at the top indicates 5 total records, 14 total order count, and a total order cost of \$26,325.00. The main data table lists purchase orders grouped by supplier. Supplier-001 has 4 entries: Purchase-0001 (1), Purchase-0002 (1), Purchase-0003 (1), and Purchase-0004 (1). Supplier-002 has 1 entry: Purchase-0005 (1). The table includes columns for Supplier ID, Purchase Order ID, Order Count, and Total Order Cost.

Supplier ID	Purchase Order ID	Order Count	Total Order Cost
Supplier-001 (4)	Purchase-0001 (1)	3	\$2,075.00
	Purchase-0002 (1)	2	\$3,250.00
	Purchase-0003 (1)	3	\$7,000.00
	Purchase-0004 (1)	4	\$9,500.00
Supplier-002 (1)	Purchase-0005 (1)	2	\$4,500.00
Total (5)		14	\$26,325.00

At the bottom of the report, there are checkboxes for Row Counts, Detail Rows, Subtotals, and Grand Total.

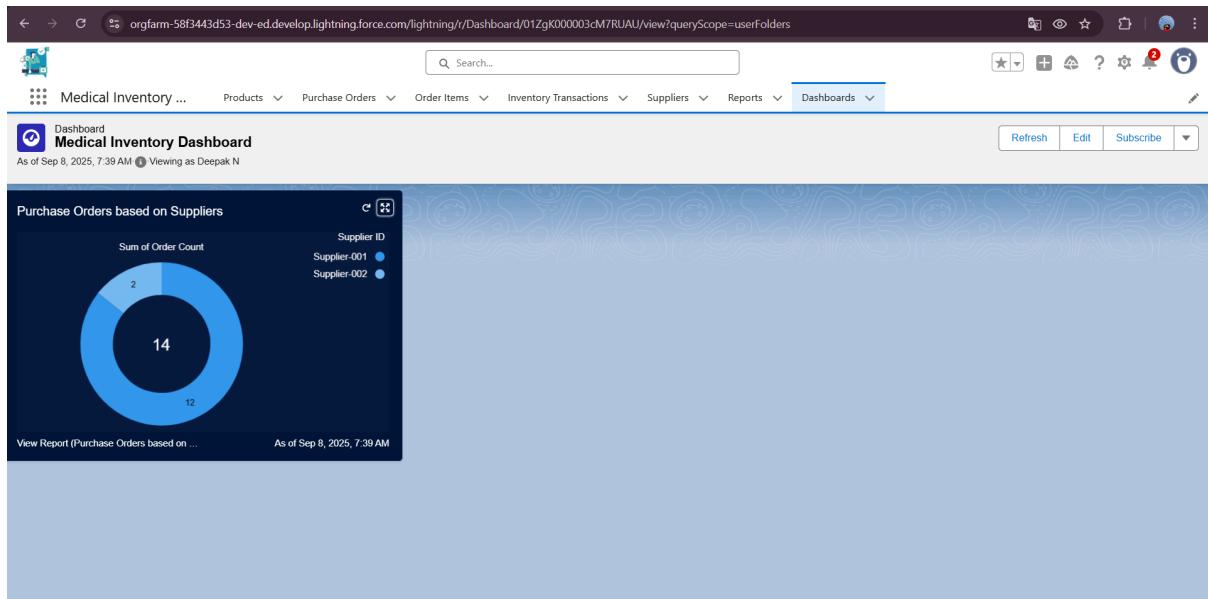
Create a Complete Purchase Details Report

The screenshot shows a Salesforce Lightning report titled "Complete Purchase Details Report". The report summary at the top indicates 14 total records, 14 total order count, 276 total quantity received, and a total amount of \$26,325.00. The main data table lists purchase orders with detailed product information. The table includes columns for Supplier ID, Actual Delivery Date, Purchase Order ID, Product ID, Order Count, Product Name, Quantity Received, and Amount. Subtotals are shown for each supplier and date.

Supplier ID	Actual Delivery Date	Purchase Order ID	Product ID	Order Count	Product Name	Quantity Received	Amount
Supplier-001 (12)	9/10/2025 (4)	Purchase-0004 (4)	Antibiotic Tablets	4	Antibiotic Tablets	40	\$6,000.00
			Paracetamol	4	Paracetamol 500mg	20	\$500.00
			Vitamin C Tablets	4	Vitamin C Tablets	10	\$500.00
			Antacid	4	Antacid	25	\$2,500.00
				4		95	\$9,500.00
				4		95	\$9,500.00
	Subtotal						
	9/11/2025 (8)	Purchase-0001 (3)	Antibiotic Tablets	3	Antibiotic Tablets	10	\$1,500.00
			Paracetamol	3	Paracetamol 500mg	7	\$175.00
			Antacid	3	Antacid	4	\$400.00
				3		21	\$2,075.00
	Subtotal	Purchase-0002 (2)	Antibiotic Tablets	2	Antibiotic Tablets	15	\$2,250.00
			Antacid	2	Antacid	10	\$1,000.00
				2		25	\$3,250.00
	Subtotal	Purchase-0003 (3)	Antibiotic Tablets	3	Antibiotic Tablets	24	\$3,600.00
			Paracetamol	3	Paracetamol 500mg	56	\$1,400.00

At the bottom of the report, there are checkboxes for Row Counts, Detail Rows, Subtotals, and Grand Total.

View Dashboard



RESULTS

- Tabs for Product, Supplier, Purchase Order, Inventory.
- Reports for Expired Products and Supplier Performance.
- Dashboard showing Stock Levels and Purchase Order Summary.
- Trigger execution results (auto-calculated total order amount).
- Validation Rule error messages (when wrong data is entered).

ADVANTAGES & DISADVANTAGES

Advantages

- Accurate tracking of products and expiry dates.
- Easy management of supplier and purchase orders.
- Reduced manual work with automation (flows and triggers).

- Visual dashboards for quick decision-making.

Disadvantages

- Requires Salesforce knowledge for customization.
- Limited offline functionality.
- Integration with external systems (e.g., hospital management software) not implemented yet.

APPENDIX

Create an Apex Trigger:

```
trigger CalculateTotalAmountTrigger on Order_Item__c (after insert, after update, after delete, after undelete) {
    // Call the handler class to handle the logic
    CalculateTotalAmountHandler.calculateTotal(Trigger.new, Trigger.old, Trigger.isInsert,
    Trigger.isUpdate, Trigger.isDelete, Trigger.isUndelete);
}
```

Create Apex Class:

```
public class CalculateTotalAmountHandler {

    // Method to calculate the total amount for Purchase Orders based on related Order Items
    public static void calculateTotal(List<Order_Item__c> newItems, List<Order_Item__c> oldItems, Boolean isInsert, Boolean isUpdate, Boolean isDelete, Boolean isUndelete) {

        // Collect Purchase Order IDs affected by changes in Order_Item__c records
        Set<Id> parentIds = new Set<Id>();

        // For insert, update, and undelete scenarios
        if (isInsert || isUpdate || isUndelete) {
            for (Order_Item__c ordItem : newItems) {
                parentIds.add(ordItem.Purchase_Order_Id__c);
            }
        }

        // For update and delete scenarios
        if (isUpdate || isDelete) {
            for (Order_Item__c ordItem : oldItems) {
```

Future Enhancements

- Add **barcode scanning** for products to make stock entry faster.
 - Implement **email or SMS alerts** for products nearing expiry.
 - Create **mobile-friendly pages** for quick access by staff.

- Add **AI predictions** for stock demand and reordering.
- Integrate with **external hospital systems** for real-time updates.

CONCLUSION

The Medical Inventory Management System successfully streamlines the operations of managing medical supplies using Salesforce. It ensures better accuracy, reduces errors, and improves efficiency in handling suppliers, purchase orders, and products. With features like validation rules, flows, triggers, reports, and dashboards, the project demonstrates the practical use of Salesforce in real-time business scenarios.