

CRM application for jewel management (developer)

By

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INTRODUCTION

About the project:

A “CRM Application for Jewel Management - (Admin)” aims to achieve several key objectives that ultimately contribute to the growth and efficiency of a jewelry business. The system specifically designed for jewelry business, allowing them to effectively track customer interactions, manage sales leads, and personalize marketing efforts optimize customer relationship and boost sales within the jewelry industry. Capture detailed customer information including demographics, purchase history, preferred jewelry types, special occasions, and contact details store and update customer data in real time to maintain accuracy.

The purpose of a CRM (Customer Relationship Management) system is to help businesses manage and improve their interactions with customers and potential customers. This overarching goal breaks down into several key objectives. CRM, or Customer Relationship Management, is a multifaceted concept that's essential for modern businesses. It's not just a piece of software it's a strategic approach to how a company interacts with its customers. The relationship between CRM (Customer Relationship Management) and CLV (Customer Lifetime Value) is very strong. CRM systems provide the tools and data necessary to effectively calculate, track, and ultimately increase CLV.

The Jewel Inventory System is a comprehensive software Solution designed to streamline and manage the inventory and sales processes of a jewellery store or a jewellery manufacturer. The system aims to provide an efficient and user-friendly solution to track and control the inventory of various jewellery items, maintain accurate records, and facilitate seamless sales transactions.

OBJECTIVES:

Creating an object in Salesforce organisation is essential for efficient data management and process automation. By defining custom objects, businesses can structure and store data specific to their needs, enabling streamlined workflows, personalised reporting, and enhanced user experiences. Objects serve as the foundation for organising and leveraging critical information within Salesforce.

IDEATION PHASE

In the ideation phase of developing a CRM application for jewelry management on Salesforce, the primary focus from a developer's perspective is to clearly define the core business use cases and begin mapping them to Salesforce's architecture.

The CRM will likely be used by jewelry store staff, sales reps, managers, and possibly repair technicians. Key requirements may include inventory management for high-value jewelry items, tracking customer purchases and preferences, managing warranties and repairs, and handling custom jewelry design requests.

These custom objects should be related to standard Salesforce entities such as Account and Contact to link jewelry purchases with customers. Additionally, relationships between items and their components (like gemstones) need to be modeled with care.

Automations will be critical to streamline processes, and Salesforce Flow can be used for tasks like warranty checks or appointment scheduling, while Apex triggers may handle more complex logic like dynamic pricing based on materials.

Developers should also focus on creating a clean, user-friendly interface using Lightning App Builder and Dynamic Forms, especially considering mobile use by sales staff on the showroom floor. From a tooling standpoint, developers should set up a Salesforce DX project using Scratch Orgs for modular and agile development, leverage Salesforce CLI and Visual Studio Code for coding, and manage versions using Git.

Ultimately, the goal of this ideation phase is to map out a scalable data model, define the core customizations, and plan the automation and integration points that will turn Salesforce into an effective, specialized CRM for jewelry business operations.

Salesforce key features and concepts utilized :

- ❖ Salesforce
- ❖ Object
- ❖ Tabs
- ❖ The Lightning App
- ❖ Fields
- ❖ Profiles
- ❖ Roles
- ❖ Users
- ❖ Page Layouts
- ❖ Record Types
- ❖ Permission Sets
- ❖ User Adoption

- ❖ Reports
- ❖ Dashboard
- ❖ Flow

Salesforce

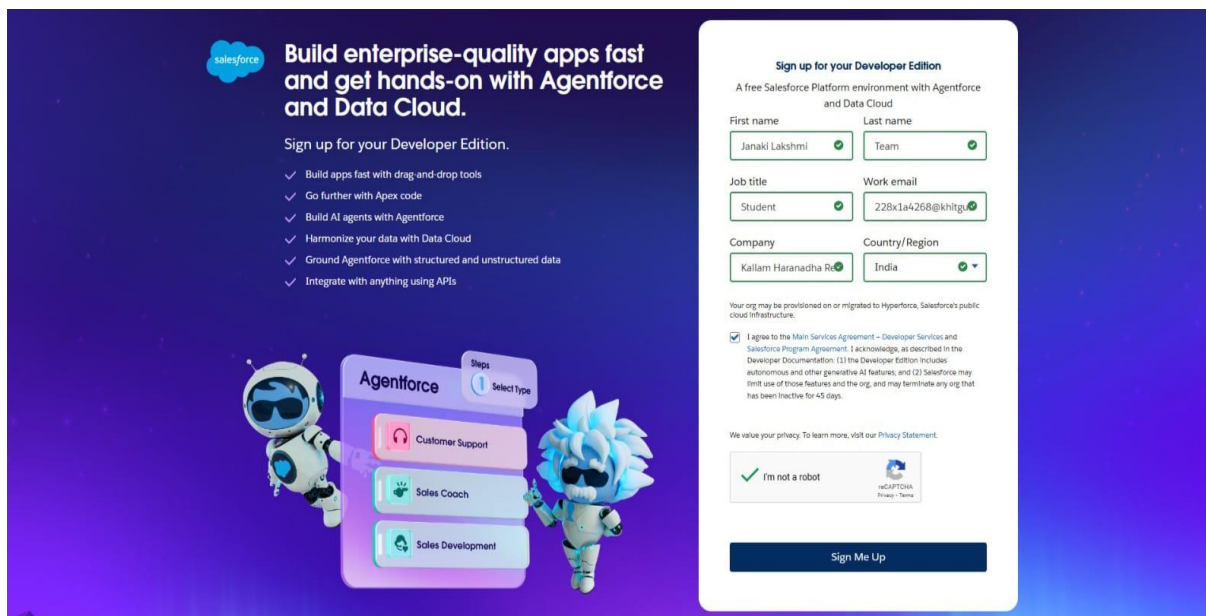
Creating Developer Account:

- 1) To create a developer account in Salesforce, follow these steps:
- 2) Go to Salesforce Developer Signup.

Fill in the signup form with the following details:

- First name & Last name
- Email
- Role: Developer
- Company: College Name
- Country: India
- Postal Code: Pin code

- 3) Click Sign me up



The image shows the Salesforce Developer Edition signup form. On the left, there's a promotional banner for Agentforce and Data Cloud, encouraging users to build enterprise-quality apps fast. The main form is titled 'Sign up for your Developer Edition' and includes fields for First name, Last name, Job title, Work email, Company, and Country/Region. Below the form, there's a checkbox for agreeing to the Main Services Agreement and a 'Sign Me Up' button.

Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud.

Sign up for your Developer Edition.

- ✓ Build apps fast with drag-and-drop tools
- ✓ Go further with Apex code
- ✓ Build AI agents with Agentforce
- ✓ Harmonize your data with Data Cloud
- ✓ Ground Agentforce with structured and unstructured data
- ✓ Integrate with anything using APIs

Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

First name: Janaki Lakshmi ✓ Last name: Team ✓


Job title: Student ✓ Work email: 228k1a4268@khitgo. ✓

Company: Kallam Haranadha R ✓ Country/Region: 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.

We value your privacy. To learn more, visit our [Privacy Statement](#).

☒ I'm not a robot 

Sign Me Up

Activating the Account

Check the inbox of the email you used for signup.

Click on the verification link to activate your account (the email may take 5-10 minutes to arrive).

Click on Verify Account.

Set a password and answer a security question.

Click on Change Password.

You will be redirected to your Salesforce setup page.

Creating the Objects:

This report outlines the steps to create various custom objects in Salesforce, specifically for a Garage Management System. The objects include Customer Details, Appointments, Service Records, and Billing Details and Feedback. These objects will help streamline operations and improve data management within the system.

Customer Details Object

Navigation Path: From the setup page, click on Object Manager >> Create >> Custom Object.

Details:

Label Name: Customer Details

Plural Label Name: Customer Details


Record Name: Customer Name

Data Type: Text








Options: Allow reports, Track Field History, Allow search

Save: Click Save to create the object

The screenshot shows the Salesforce Object Manager interface for creating a custom object. The top navigation bar includes the Salesforce logo, a search bar, and various utility icons. The main header displays the path 'SETUP > OBJECT MANAGER' and the object name 'Jewel Customer'. A left sidebar lists configuration categories: 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, and Scoping Rules. The 'Details' section is active, showing a form with the following fields: Description (empty), API Name (Jewel_Customer__c), Custom (checked), Singular Label (Jewel Customer), Plural Label (Jewel Customers), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), Help Settings (Standard salesforce.com Help Window), and Edit/Delete buttons.



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER

Item

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

Details

Description

API Name

Item_c

Custom

✓

Singular Label

Item

Plural Label

Items

Enable Reports

✓

Track Activities

Track Field History


Deployment Status

Deployed








Help Settings

Standard salesforce.com Help Window

EditDelete



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER

Customer Order

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

Details

Description

API Name

Customer_Order__c

Custom

✓

Singular Label

Customer Order

Plural Label

Customer Orders

Enable Reports

✓

Track Activities

Track Field History


Deployment Status

Deployed








Help Settings

Standard salesforce.com Help Window

EditDelete



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER

Price

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

Details

Description

API Name

Price__c

Custom

✓

Singular Label

Price

Plural Label

Prices

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

EditDelete

Tabs:

Creating a Custom Tab for Customer Details

Navigation Path: Go to the setup page.

Type "Tabs" in the Quick Find bar.

Click on "Tabs".

Click on "New" under the Custom Object Tabs.

Click Next.

Add to Profiles Page: Keep the default settings.

Click Next.

Add to Custom App: Uncheck "Include Tab".

Ensure "Append tab to users' existing personal customizations" is checked.

Click Save.

Creating Remaining Tabs (Appointments, Service Records, Billing Details and Feedback)

Repeat the above steps for each remaining object: Appointments, Service Records, and Billing Details and Feedback.

Navigation Path:

Go to the setup page.

Type "Tabs" in the Quick Find bar.

Click on "Tabs".

Click on "New" under the Custom Object Tabs.

Details for Each Object:

Select Object: Choose the respective object (Appointments, Service Records, Billing Details and Feedback).

Select Tab Style: Choose a suitable style for each object.

Click Next.

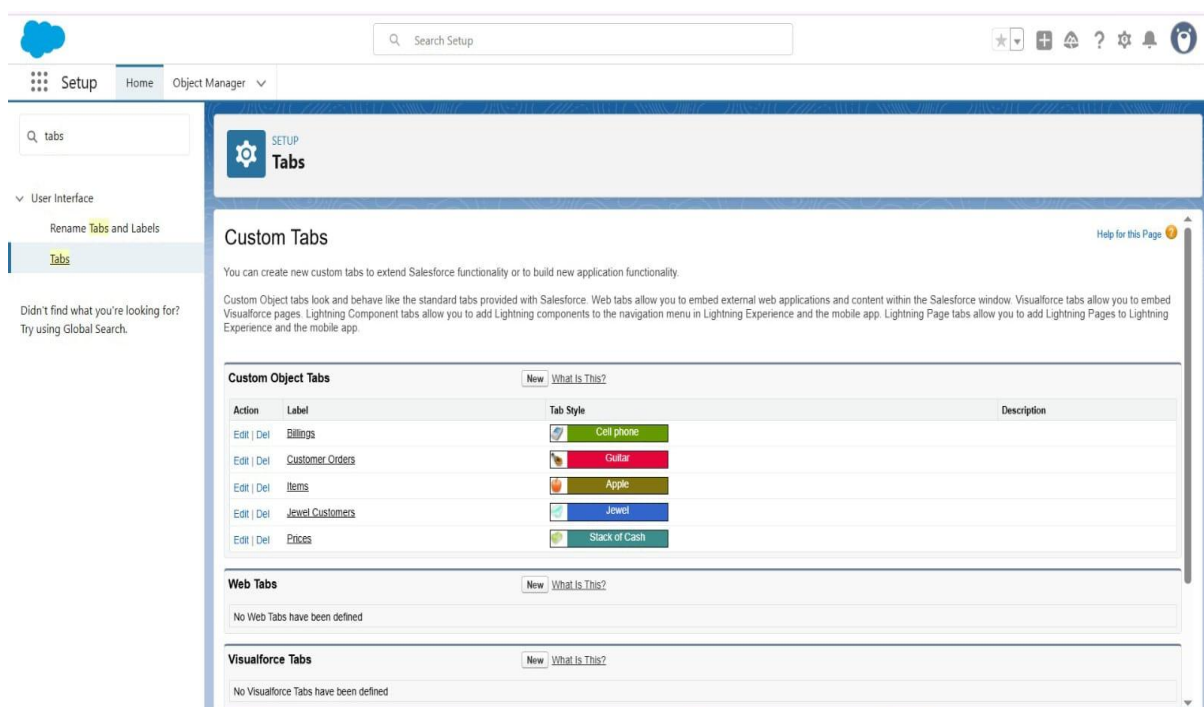
Add to Profiles Page: Keep the default settings.

Click Next.

Add to Custom App: Uncheck "Include Tab".

Ensure "Append tab to users' existing personal customizations" is checked.

Click Save.



The Lightning App:

Creating a Lightning App in Salesforce for managing garage operations allows for streamlined processes and efficient management of various business aspects.

This guide outlines the steps to create the Garage Management Application, including adding essential navigation items and user profiles.

Steps to Create a Lightning App

Accessing App Manager: Begin by navigating to the setup page. In the Quick Find bar, search for "App Manager" and select it. Click on "New Lightning App" to start the creation process.

Lightning Experience App Manager

27 items • Sorted by App Name • Filtered by All appmenuitems - TabSet Type, App Type

	App Name ↑	Developer Name	Description	Last Modified Date	App Type	Visibl...	
9	Data Cloud	Audience360	Build a thorough and complete understanding of your customers.	6/15/2025, 4:29 AM	Lightning	✓	
10	Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	6/15/2025, 4:29 AM	Lightning	✓	
11	Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	6/15/2025, 4:29 AM	Lightning	✓	
12	Jewelry Inventory System	Jewelry_Inventory_System	Elevate your look with elegance	6/25/2025, 3:52 AM	Lightning	✓	
13	Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	6/15/2025, 4:29 AM	Lightning	✓	
14	Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	6/15/2025, 4:29 AM	Classic	✓	
15	My Service Journey	MSIApp	Discover new customer service capabilities.	6/15/2025, 4:29 AM	Lightning	✓	
16	Platform	Platform	The fundamental Lightning Platform	6/15/2025, 4:29 AM	Classic		
17	Queue Management	QueueManagement	Create and manage queues for your business.	6/15/2025, 4:29 AM	Lightning	✓	
18	Sales	Sales	The world's most popular sales force automation (SFA) solution	6/15/2025, 4:29 AM	Classic		

Fields:

1. Define the Core Use Case
2. Core Features to Plan
3. Technical Planning (Developer Focus)
4. Integration Planning
5. Security & Compliance
6. Tooling & Dev Environment
7. Standard Fields
8. Custom Fields
9. Field Types in Salesforce

Setup

Object Manager

Customer Order

Fields & Relationships

6 Items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Customer	Customer__c	Lookup(Jewel Customer)		✓
Customer Order	Customer_Order__c	Picklist		
Customer Order Name	Name	Auto Number		✓
Item	Item__c	Master-Detail(Item)		✓
Last Modified By	LastModifiedById	Lookup(User)		

Setup

Home

Object Manager

Q Search Setup

12 Items. Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
City	City__c	Text(20)		
Country	Country__c	Text(18)		
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
Jewel Customer Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Purity	Purity__c	Number(2, 0)		
State	State__c	Text(20)		
Street	Street__c	Text(20)		
Zip/Postal Code	Zip_Postal_Code__c	Text(6)		

Setup

Home

Object Manager

Q Search Setup

23 Items. Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Formula (Currency)		
Created By	CreatedById	Lookup(User)		
Customer Name	Customer_Name__c	Lookup(Jewel Customer)		✓
Expected Days Of Return	Expected_Days_Of_Return__c	Picklist	Priority	
Gold Price	Gold_Price__c	Formula (Currency)		
Item id	Name	Auto Number		✓
Item Type	Item_Type__c	Picklist		
KDM	KDM__c	Formula (Currency)		
Last Modified By	LastModifiedById	Lookup(User)		
Making Charges	Making_Charges__c	Formula (Currency)		
Ornament	Ornament__c	Text(20)		

Setup

Home

Object Manager

Q Search Setup

23 Items. Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

Owner	OwnerId	Lookup(User,Group)		✓
Percentage	Percentage__c	Number(2, 0)		
Prices	Prices__c	Lookup(Price)		✓
Priority	Priority__c	Picklist		
Purity	Purity__c	Number(2, 0)		
Purity Gold Price	Purity_Gold_Price__c	Formula (Currency)		
Record Type	RecordTypeId	Record Type		✓
Silver Price	Silver_Price__c	Formula (Number)		
Stone Weight	Stone_Weight__c	Number(5, 5)		
Stone/Other Price	Stone_Other_Price__c	Currency(8, 2)		
Total Weight	Total_Weight__c	Formula (Number)		
Weight	Weight__c	Number(8, 5)		

SETUP > OBJECT MANAGER

Item

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

Triggers

General Options

Picklist Options

Picklist Values Used

Field Dependencies

Validation Rules

Values

Required

Default Value

Restrict picklist to the values defined in the value set

Controlling Field

Active and inactive picklist values

New

Field Dependencies Help

No validation rules defined.

Validation Rules Help

New

Rename

Replace

Printable View

Chart Colors

Default

Deactivate Selected

Replace Selected

Values Help

Action	Values	API Name	Default	Chart Colors	Modified By
<input type="checkbox"/> Edit Del Deactivate	Low	Low	<input type="checkbox"/>	Assigned dynamically	Janaki Lakshmi Team, 6/20/2025, 6:58 AM
<input type="checkbox"/> Edit Del Deactivate	Medium	Medium	<input type="checkbox"/>	Assigned dynamically	Janaki Lakshmi Team, 6/20/2025, 6:58 AM
<input type="checkbox"/> Edit Del Deactivate	High	High	<input type="checkbox"/>	Assigned dynamically	Janaki Lakshmi Team, 6/20/2025, 6:58 AM
<input type="checkbox"/> Edit Del Deactivate	Critical	Critical	<input type="checkbox"/>	Assigned dynamically	Janaki Lakshmi Team, 6/20/2025, 6:58 AM

Profiles:

Setup

Home

Object Manager

Q Search Setup

Star

Plus

Cloud

Help

Settings

Notifications

User

Q profil

Users

Profiles

Didn't find what you're looking for?

Try using Global Search.

SETUP

Profiles

Clone Profile

Help for this Page

Enter the name of the new profile.

You must select an existing profile to clone from.

Required Information

Existing Profile	System Administrator
User License	Salesforce
Profile Name	Gold Smith

Save

Cancel

Q Search Setup

Star

Plus

Cloud

Help

Settings

Notifications

User

Manager

SETUP

Profiles

Profiles

Help for this Page

All Profiles

Edit

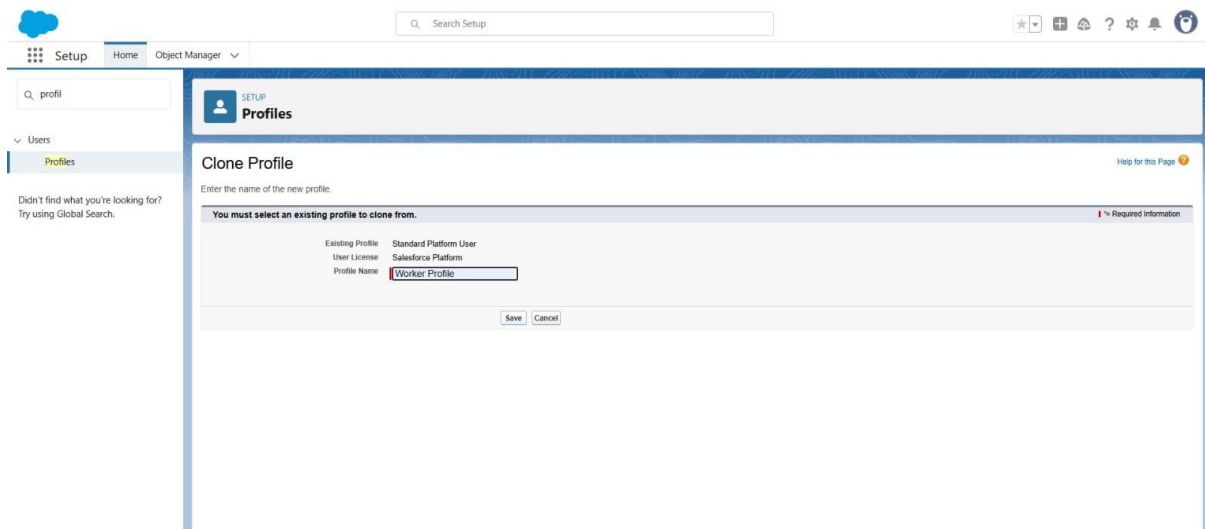
Delete

Create New View

New Profile

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 All

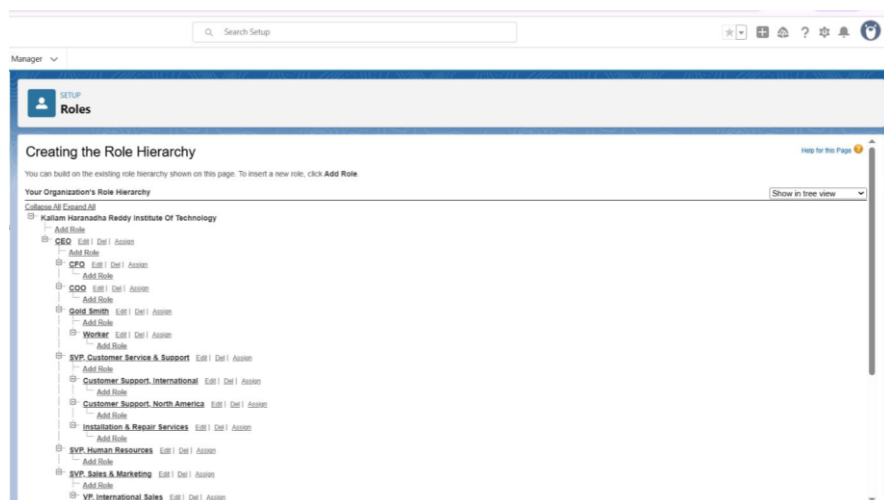
Action	Profile Name	User License	Custom
<input type="checkbox"/> Edit Del ...	Salesforce API Only, System Integrations	Salesforce Integration	<input checked="" type="checkbox"/>
<input type="checkbox"/> Edit Clone	Silver Partner User	Silver Partner	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Solution Manager	Salesforce	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Standard Platform User	Salesforce Platform	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Standard User	Salesforce	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	System Administrator	Salesforce	<input type="checkbox"/>



Roles:

In Salesforce, roles are a fundamental part of the platform's security model, primarily used to control record-level access based on a user's position within an organization. Users higher in the hierarchy automatically gain visibility into the records owned by users beneath them. For example, in a jewelry business CRM, a sales rep might only see their own sales records, a store manager would see records for their entire store, and a regional manager would see all store data in their region.

Roles are often used in combination with other sharing settings like organization-wide defaults (OWD), sharing rules, and manual sharing to fine-tune access. Roles are managed via Salesforce Setup, where administrators can create new roles, define hierarchies, and assign users to appropriate roles during or after user setup.



Users:

In Salesforce, **users** are individuals who have **access to the system** and interact with data, applications, and features based on the **permissions and roles** assigned to them. Each user is identified by a unique **username (email format)** and has a **user record** that includes details like name, email, role, profile, license, and login history.

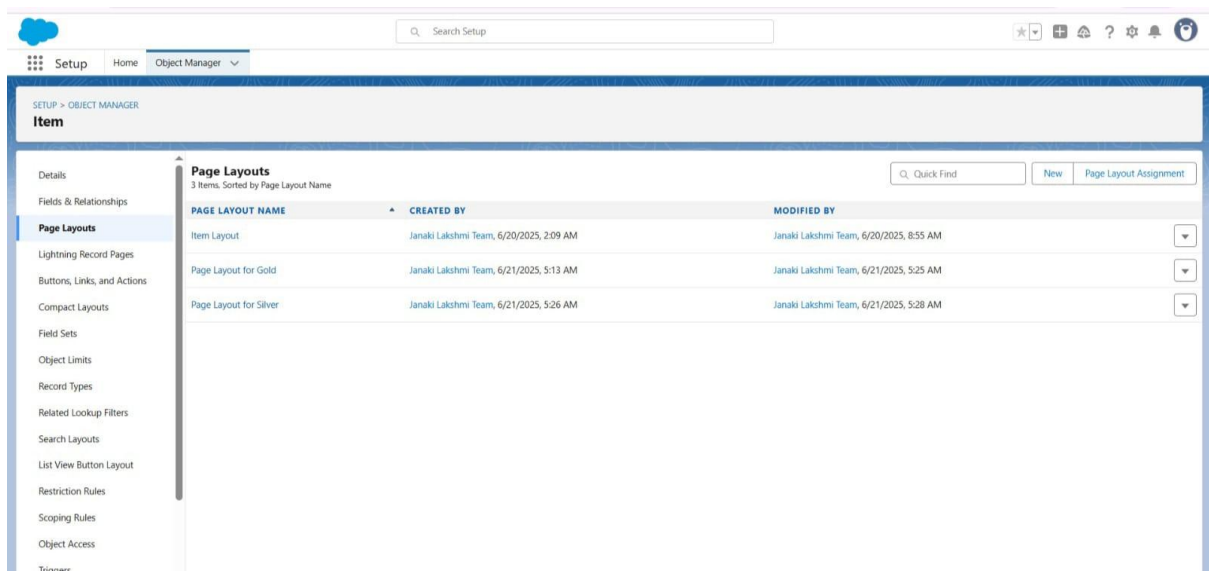
A user in Salesforce represents a person who can log in and use the platform, whether it's an employee, partner, or community member. In addition to profiles, users may also have permission sets for extra access and a role that determines what records they can see based on the organization's role hierarchy. For example, in a jewelry CRM, a "Sales Rep" user might have access to customer and order objects but only see records they own, while a "Store Manager" can view records across the entire store. Users are also linked to a user license, which determines what features and objects they can access. Admins can create and manage users via the Setup menu, where they can activate/deactivate users, reset passwords, assign permission sets, and monitor login activity. Salesforce also supports different user types, including internal users (employees), external users (partners or customers), and automated users (like API integrations). Managing users effectively is crucial for maintaining system security, performance, and compliance.

The screenshot shows the Salesforce Setup interface for managing users. The top navigation bar includes a search bar and various utility icons. The left sidebar shows the 'Users' section under 'SETUP'. The main content area is titled 'Active Users' and includes instructions on how to manage users. Below the instructions, there are tabs for 'Active Users', 'Inactive Users', and 'Create New User'. A table lists the active users with columns for Action, Full Name, Alias, Username, Role, Active status, and Profile. The table contains 8 rows of user data. At the bottom of the table, there are buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'.

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatter_00d9k000005tnk1uac.f5ydjens5a7v@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	EPIC_OrgFarm	OEPIE	epic_eccaf51c144a7@orgfarm.com		✓	System Administrator
<input type="checkbox"/> Edit	Kol_Niklaus	nikol	nikol@kol.com	Worker	✓	Worker Profile
<input type="checkbox"/> Edit	Mikaelson_Kol	kmika	kmika@mkika.com	Worker	✓	Worker Profile
<input type="checkbox"/> Edit	Mikaelson_Niklaus	nmika	nmika@mkika.com	Gold Smith	✓	Gold Smith
<input type="checkbox"/> Edit	Team_Janaki Lakshmi	228	228c1a4268272@agentforce.com		✓	System Administrator
<input type="checkbox"/> Edit	User_Integration	Integ	integration@00d9k000005tnk1uac.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User_Security	sec	insightssecurity@00d9k000005tnk1uac.com		✓	Analytics Cloud Security User

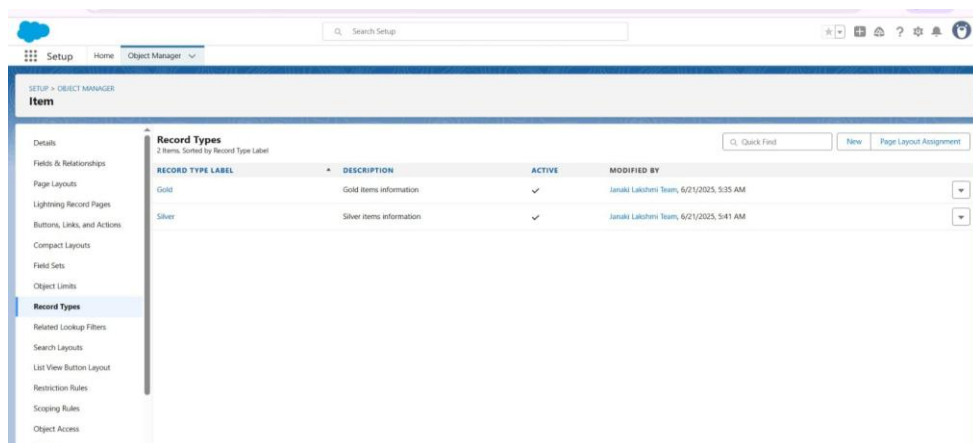
Page Layouts:

Page Layouts in Salesforce are used to customize how information is displayed on the record pages of standard and custom objects. They define the arrangement of fields, sections, related lists, custom buttons, links, and Visualforce or Lightning components. For example, in a jewelry CRM system, a Jewelry_Item page layout might include sections for basic item details, gemstone specifications, pricing, and repair history. Page Layouts also control which fields are read-only, required, or visible, ensuring users only see what's relevant to their role.



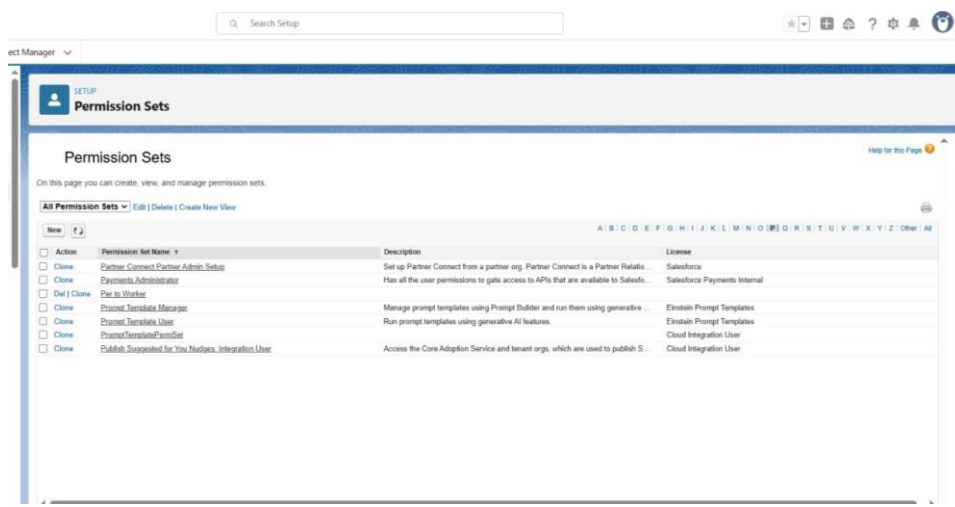
Record Types:

In Salesforce, record types allow you to create different business processes, page layouts, and picklist values for the same object, helping tailor the system to varied user needs or product lines within one organization. They are especially useful when a single object serves multiple purposes that require distinct data capture or workflows.



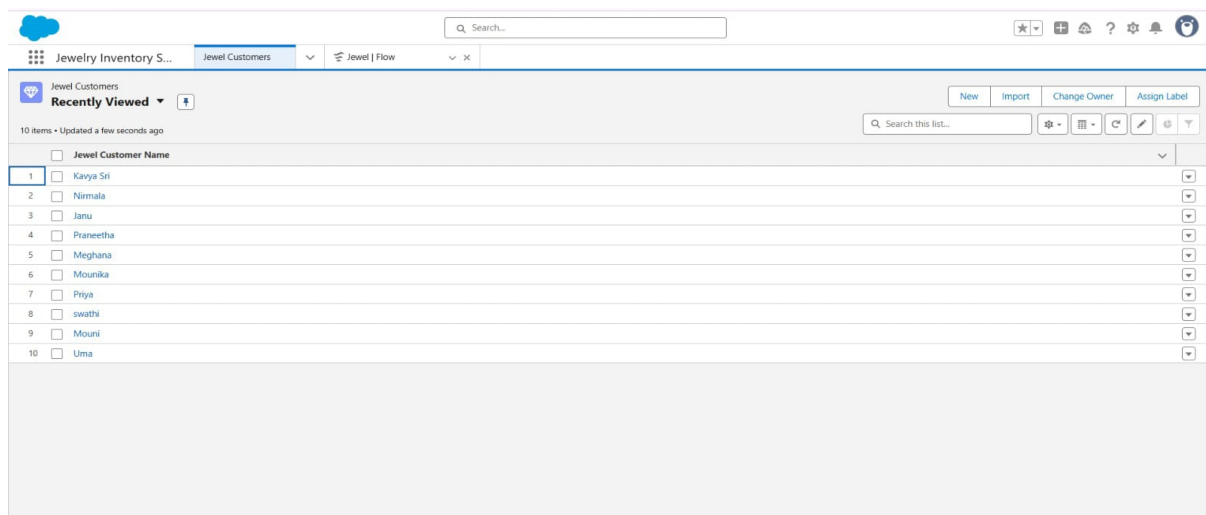
Permission Sets :

A standard permission set consists of a group of common permissions for a particular feature associated with a permission set licence. Using a standard permission set saves you time and facilitates administration because you don't need to create the custom permission set. We created permission sets and labeled as “Per to Worker “and selected object permissions for “Read, Edit, Create”.



User Adoption:

As a new Administrator, you perform user management tasks like creating and editing users, resetting passwords, granting permissions, configuring data access, and much more. We created some jewel customers, items, billings, prices, customer orders in Jewelry Inventory System



Reports:

Reports give you access to your Salesforce data. You can examine your Salesforce data in almost infinite combinations, display it in easy-to-understand formats, and share the resulting insights with others.

Before building, reading, and sharing reports, review these reporting basics.

Types of Reports in Salesforce

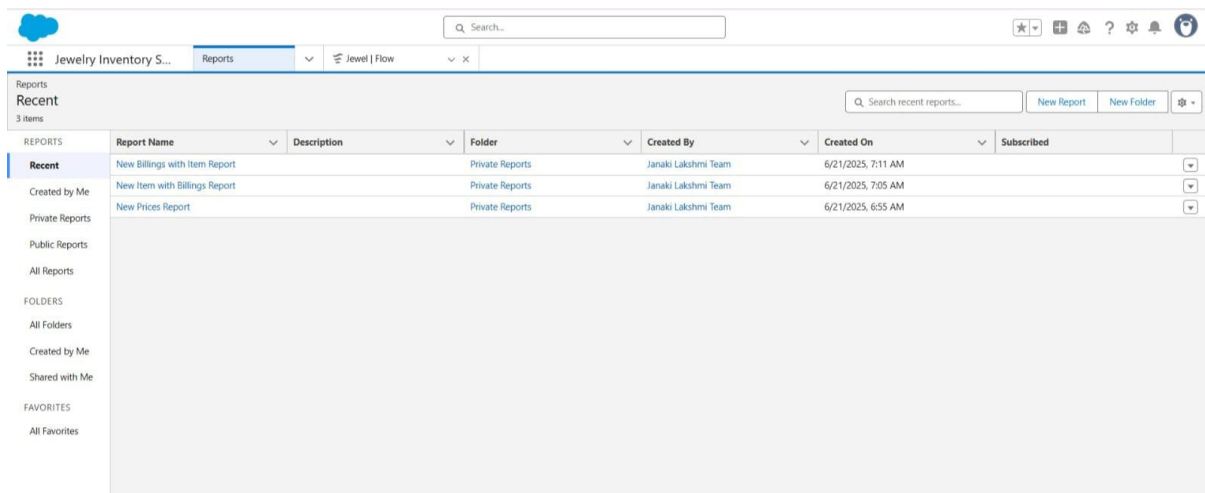
1. Tabular
2. Summary
3. Matrix
4. Joined Reports

The GoldSmith of an organisation wants to have a brief data on Gold Items,Silver Items,Customer Orders and Billings.

So he can have a clear picture of his organisation and be able to make any decisions required based on this data.

We created 3 Reports:

- Prices Report
- Item with Billings Report
- Billing with Items & Customer order



The screenshot displays the Salesforce Reports interface. At the top, there's a search bar and navigation icons. Below, the 'Reports' section is active, showing a list of recent reports. The table has columns for Report Name, Description, Folder, Created By, Created On, and Subscribed. Three reports are listed: 'New Billings with Item Report', 'New Item with Billings Report', and 'New Prices Report', all created by 'Janaki Lakshmi Team' on 6/21/2025.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	New Billings with Item Report		Private Reports	Janaki Lakshmi Team	6/21/2025, 7:11 AM	
Created by Me	New Item with Billings Report		Private Reports	Janaki Lakshmi Team	6/21/2025, 7:05 AM	
Private Reports	New Prices Report		Private Reports	Janaki Lakshmi Team	6/21/2025, 6:55 AM	

Triggers:

The screenshot shows the Salesforce Setup interface. On the left is a navigation menu with options like Setup Home, Salesforce Go, Service Setup Assistant, Commerce Setup Assistant, Field Service Setup Home (Beta), Hyperforce Assistant, Release Updates, Salesforce Mobile App, Lightning Usage, Optimizer, Sales Cloud Everywhere, ADMINISTRATION (Users, Data, Email), PLATFORM TOOLS (Subscription Management, Apps, Feature Settings, Slack), and Triggers. The main content area is titled 'Apex Classes' and shows the details for the 'UpdatePaidAmountTriggerHandler' class. The class is active, has 0% code coverage, and was created by the Janaki Lakshmi Team on 6/24/2025. The class body is displayed in a code editor, showing a public class with a static void method 'handleBeforeUpdate' that iterates over a list of Billing__c records and updates the Paid_Amount__c field.

Apex Class Detail

Name: UpdatePaidAmountTriggerHandler
Namespace Prefix: Janaki Lakshmi Team
Created By: Janaki Lakshmi Team
Created On: 6/24/2025, 9:39 PM
Status: Active
Code Coverage: 0% (0/0)
Last Modified By: Janaki Lakshmi Team
Last Modified On: 6/27/2025, 9:19 PM

Class Body

```
1 public class UpdatePaidAmountTriggerHandler {  
2     public static void handleBeforeUpdate(List<Billing__c> newBillings) {  
3         for (Billing__c billing : newBillings) {  
4             billing.Paid_Amount__c = billing.Paying_Amount__c;  
5         }  
6     }  
7     public static void handleBeforeUpdate(Map<Id, Billing__c> oldBillingsMap, List<Billing__c> updatedBillings) {  
8         for (Billing__c billing : updatedBillings) {  
9             Billing__c oldBilling = oldBillingsMap.get(billing.Id);  
10            Decimal oldPaidAmount = oldBilling.Paid_Amount__c;  
11            billing.Paid_Amount__c = oldPaidAmount + billing.Paying_Amount__c;  
12        }  
13    }  
14 }
```

The screenshot shows the Salesforce Setup interface, specifically the 'Object Manager' section for 'Billing'. The left navigation menu includes options like 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. The main content area is titled 'Apex Trigger Edit' and shows the details for the 'UpdatePaidAmountTrigger' trigger. The trigger is active and is configured to fire on the 'Billing__c' object before insert and before update. The trigger body is displayed in a code editor, showing a trigger that calls the 'handleBeforeInsert' and 'handleBeforeUpdate' methods of the 'UpdatePaidAmountTriggerHandler' class.

Apex Trigger Edit

Apex Trigger: UpdatePaidAmountTrigger
Version Settings: [Save] [Quick Save] [Cancel]

is active ☒

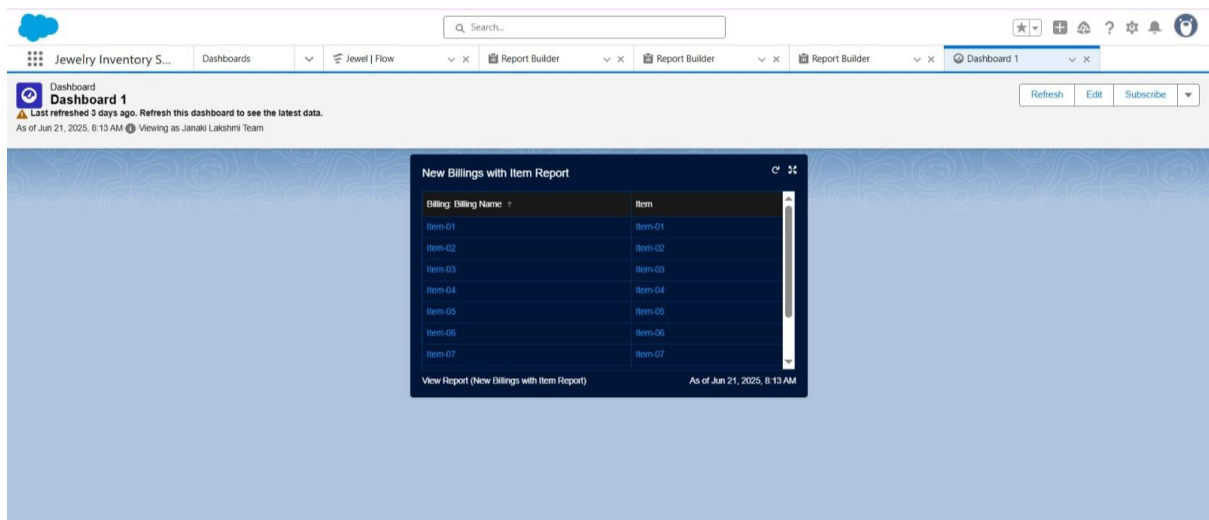
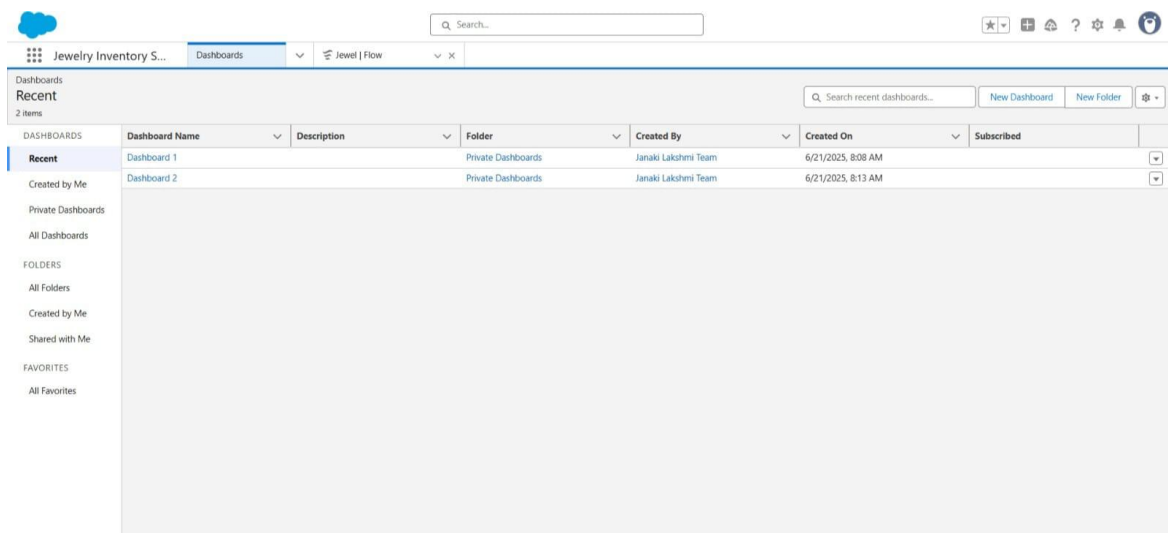
```
1 trigger UpdatePaidAmountTrigger on Billing__c (before insert, before update) {  
2     if (Trigger.isInsert) {  
3         UpdatePaidAmountTriggerHandler.handleBeforeInsert(Trigger.new);  
4     } else if (Trigger.isUpdate) {  
5         UpdatePaidAmountTriggerHandler.handleBeforeUpdate(Trigger.oldMap, Trigger.new);  
6     }  
7 }
```

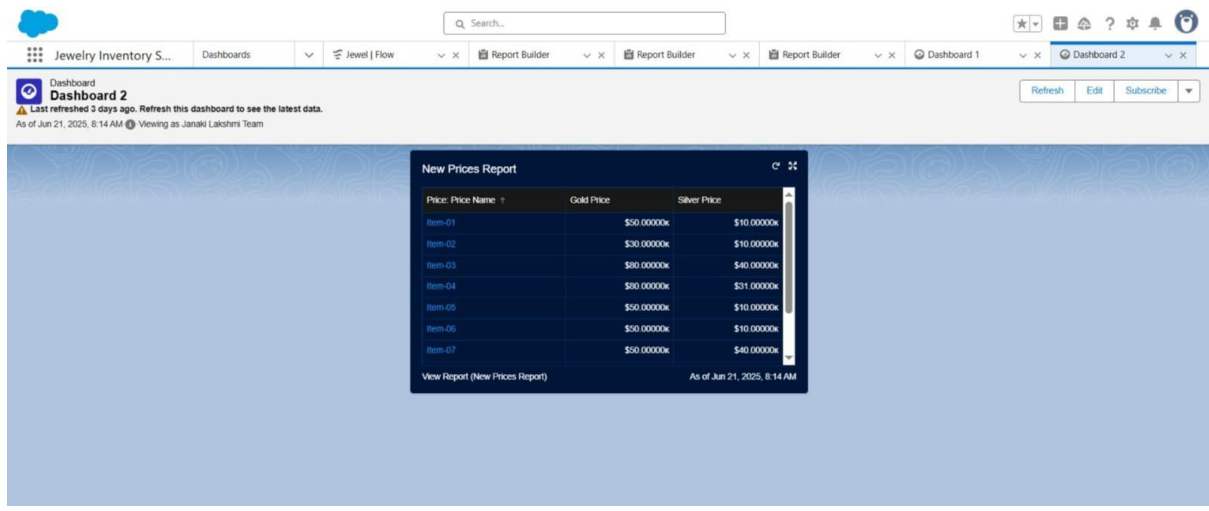
<https://orgform-70b73c8b0-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gk000001080Q/ApexTriggers/page?address=%2F01gk0000019CvpQAE%3FretURL%2F%252Fsetup%252Fhome>

Dashboard:

In Salesforce, a dashboard is a powerful visualization tool that provides a real-time, interactive summary of key metrics and data trends from reports. It helps users and decision-makers quickly assess performance, monitor KPIs (Key Performance Indicators), and gain insights at a glance — all without needing to dig into raw data.

A dashboard is made up of components, such as charts, graphs, tables, gauges, and metrics, each based on an underlying report. For example, in a jewelry CRM, a dashboard might include components showing monthly sales by store, inventory levels of high-value items, top-selling gemstones, and open repair requests by status. You can group these visuals into sections to create a clear, informative layout tailored to different roles — such as store managers, sales reps, or executives.





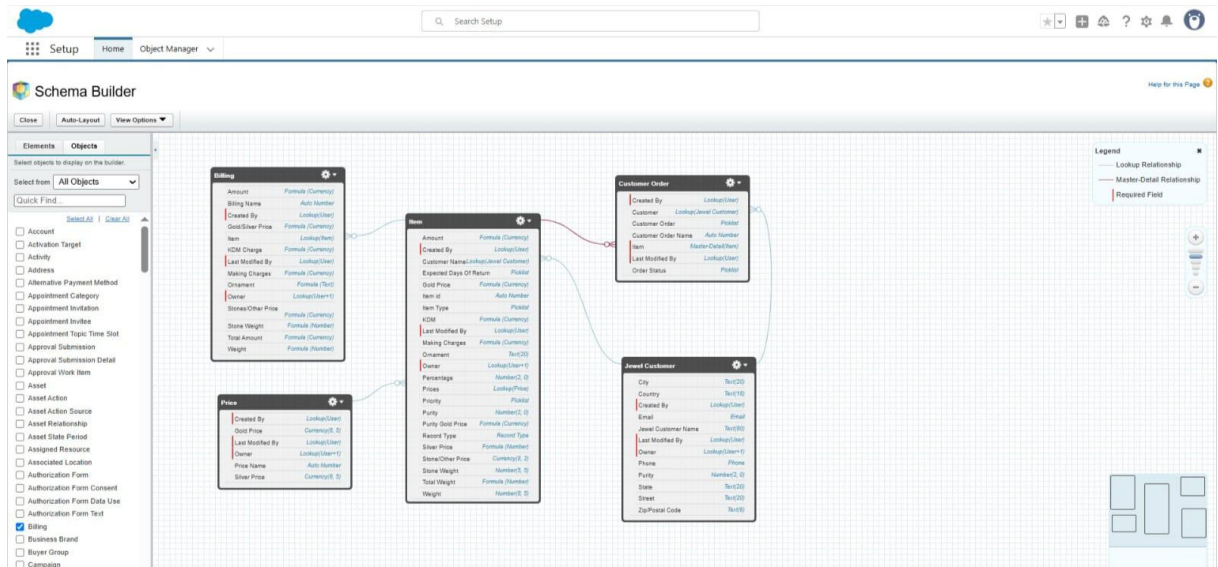
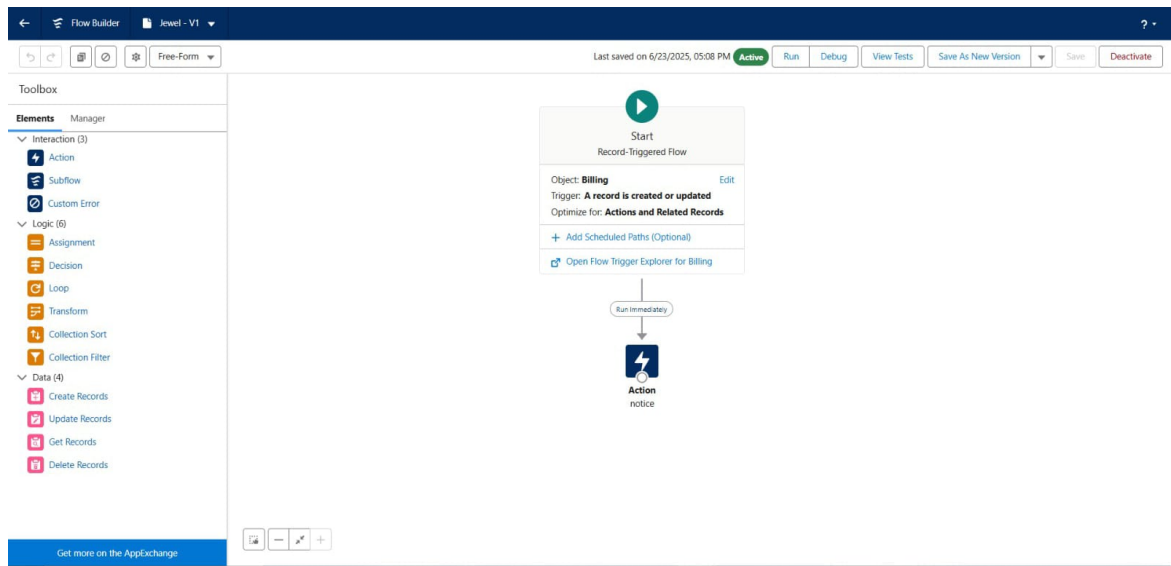
Flows:

In Salesforce, Flows are powerful automation tools that allow you to create logic-based processes without writing code.

Using Flow Builder, admins and developers can design workflows that interact with data, guide users through screens, automate tasks, and handle complex business logic across objects.

There are several types of flows, each designed for specific use cases:

1. Screen Flows – Interactive flows that guide users through multi-step processes via screens (e.g., collecting information for a custom jewelry order).
2. Record-Triggered Flows – Automatically run when a record is created, updated, or deleted (e.g., send a confirmation email when a new repair request is logged).
3. Scheduled Flows – Run at a set time and frequency (e.g., weekly check on low stock items).
4. Autolaunched Flows – Can be called from Apex, buttons, or other flows; they run in the background without user interaction.
5. Platform Event-Triggered Flows – React to platform events for real-time integration scenarios.



Conclusion :

In my point of view, the implementation of Salesforce is a complex process that requires careful planning, execution, and testing. Throughout this project, we have outlined the key steps involved in implementing Salesforce, including requirements gathering, solution design, testing and validation, and deployment. We have also identified key scenarios addressed by Salesforce in the implementation process, including sales, marketing, service, commerce, analytics, and integration scenarios.

By following the steps outlined in this project and addressing the key scenarios, organizations can ensure a successful Salesforce implementation that meets their business needs and drives user adoption