

# **CRM APPLICATION FOR JEWEL MANAGEMENT**

**College Name : KG COLLEGE OF ARTS AND SCIENCE**

**Team ID : NM2025MID23642**

**Team size :**

## **Team members details :**

1. **Team LeaderName :** M.KARTHIKEYAN

**Email\_:** 2326kb21@kgcas.com

2. **Team Member:** R.KEETHANA

**Email :** 2326kb22@kgcas.com

3. **Team Member:** S.KIRUTHIKA

**Email :** 2326kb23@kgcas.com

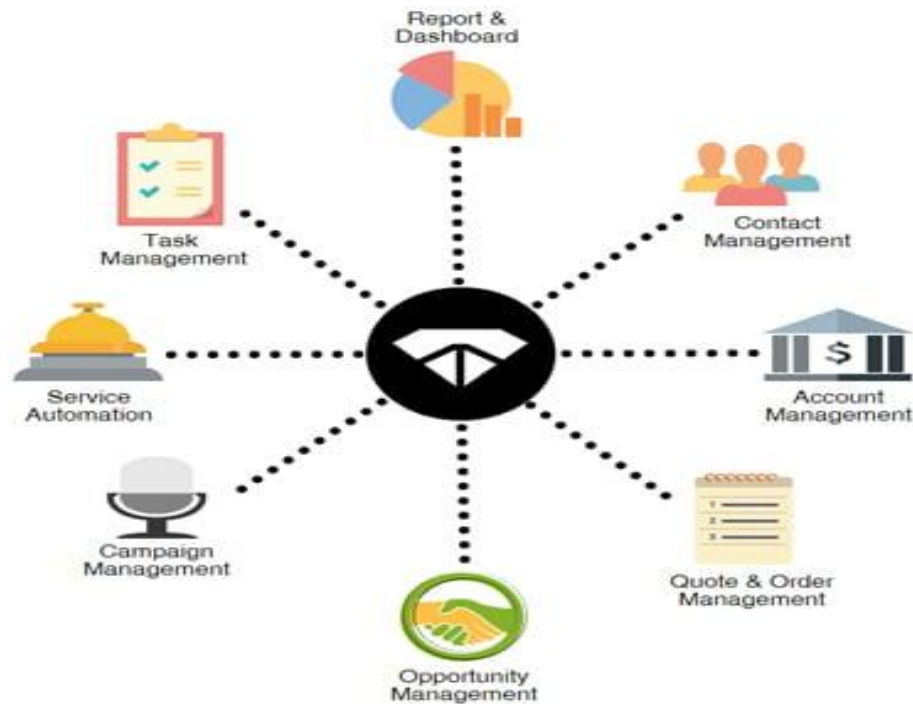
4. **Team Member:** S.LAKSHANA

**Email :** 2326kb24@kgcas.com

# 1.INTRODUCTION

## 1.1 Project Overview

The CRM system for jewelry management integrates customer data with product details, sales, inventory, and marketing campaigns to enhance the customer experience and drive business growth. It allows jewelry stores or manufacturers to manage their operations more effectively, improve customer satisfaction, and maximize sales.



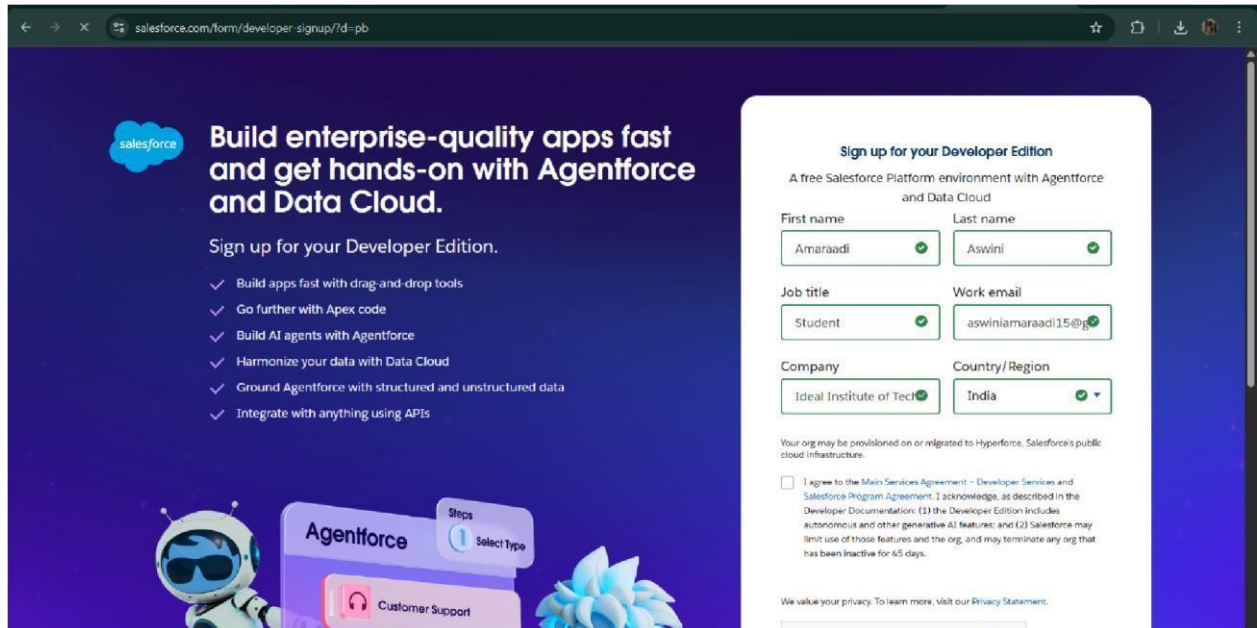
## 1.2 Purpose

The purpose of a **CRM Application for Jewelry Management** is to streamline and enhance the overall operations of a jewelry business while improving the relationship with its customers. By tracking customer preferences, purchase history, and interactions, the CRM allows businesses to provide more personalized services and offers.

## 2.DEVELOPMENT PHASE

### Creating Developer Account:

By using this URL - <https://www.salesforce.com/form/developer/signup/?d=pb>

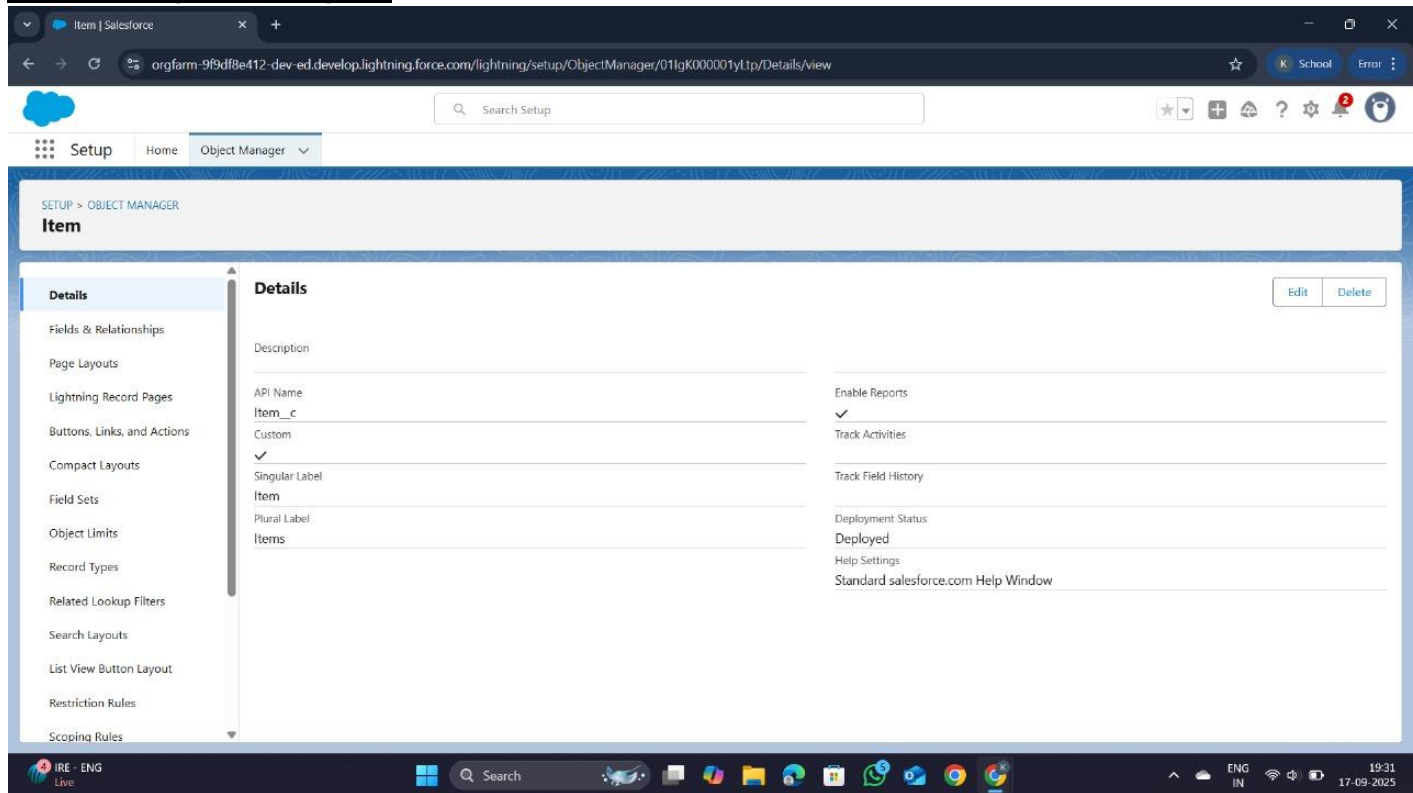


The screenshot shows the Salesforce Developer Edition signup page. The left side features a dark blue background with the Salesforce logo and the text "Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud." Below this, it says "Sign up for your Developer Edition." and lists five benefits: "Build apps fast with drag-and-drop tools", "Go further with Apex code", "Build AI agents with Agentforce", "Harmonize your data with Data Cloud", and "Ground Agentforce with structured and unstructured data". At the bottom of this section is an illustration of a robot and a "Customer Support" button.

The right side contains the "Sign up for your Developer Edition" form. It includes fields for "First name" (Amaraadi), "Last name" (Aswini), "Job title" (Student), "Work email" (aswiniamaraadi15@gmail.com), "Company" (Ideal Institute of Tech), and "Country/Region" (India). Below these fields is a checkbox for "I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement." and a link to the "Privacy Statement".

- Created objects: Involve creating various objects (entities) that represent different aspects of the jewelry business.

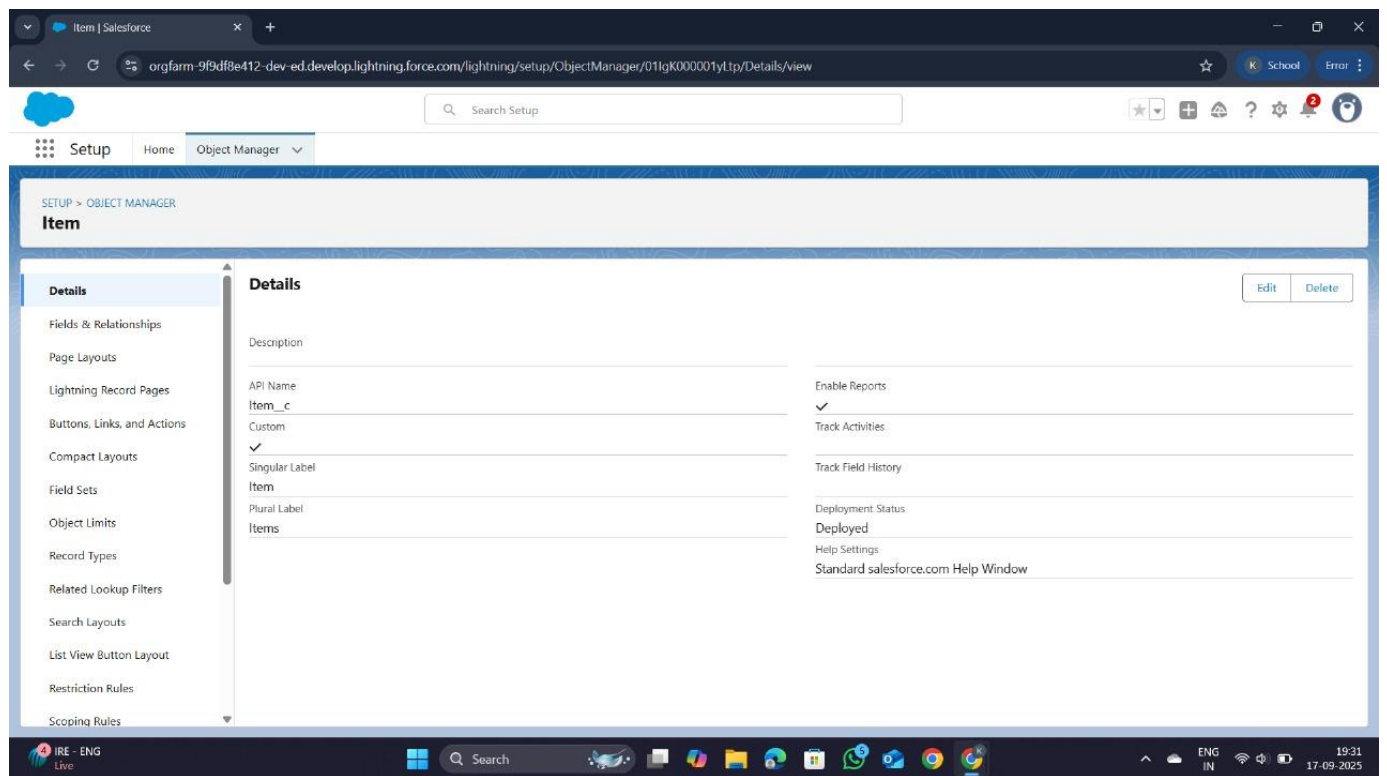
# Created jewel object :



This screenshot shows the Salesforce Setup interface for the 'Item' object. The left sidebar contains a navigation menu with 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', and 'Scoping Rules'. The main content area is titled 'Item' and includes a 'Details' section with the following information:

Field	Value
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

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 19:31 on 17-09-2025.



This is a duplicate of the screenshot above, showing the same Salesforce Setup interface for the 'Item' object. The left sidebar contains a navigation menu with 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', and 'Scoping Rules'. The main content area is titled 'Item' and includes a 'Details' section with the following information:

Field	Value
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

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 19:31 on 17-09-2025.

# Created a custom tab :

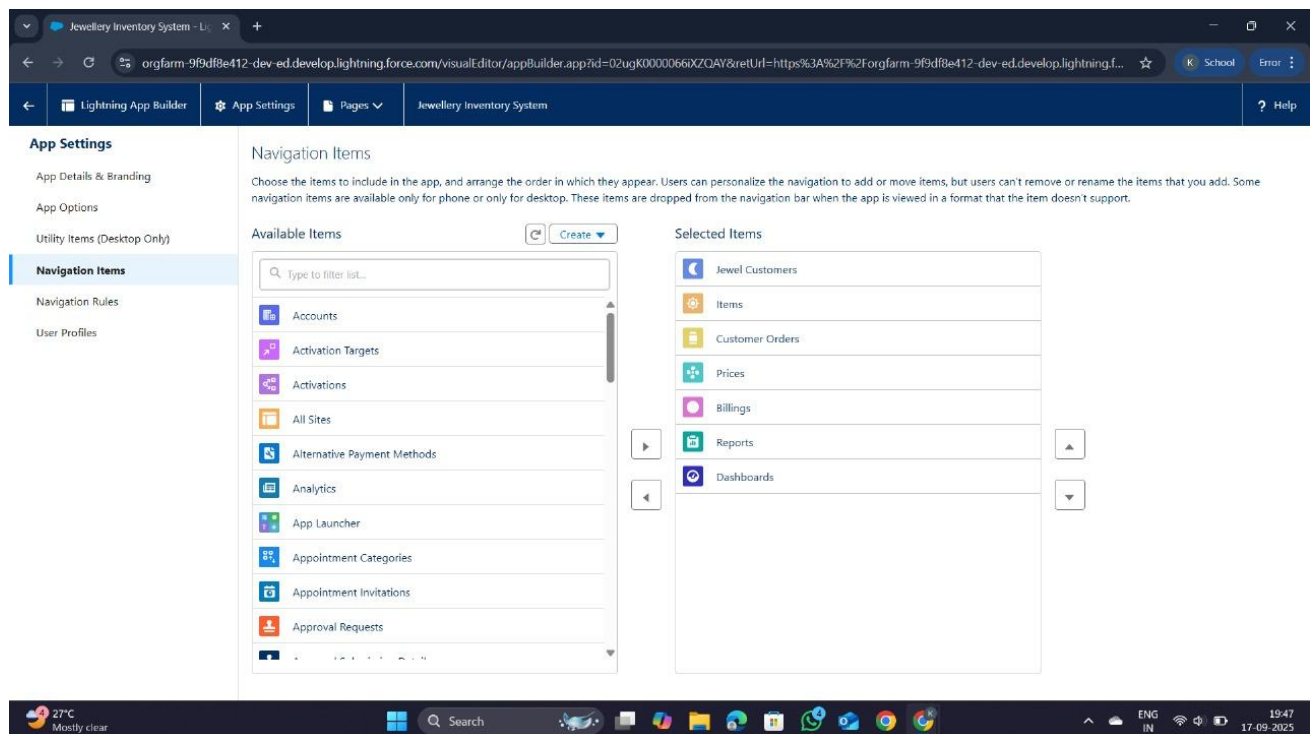
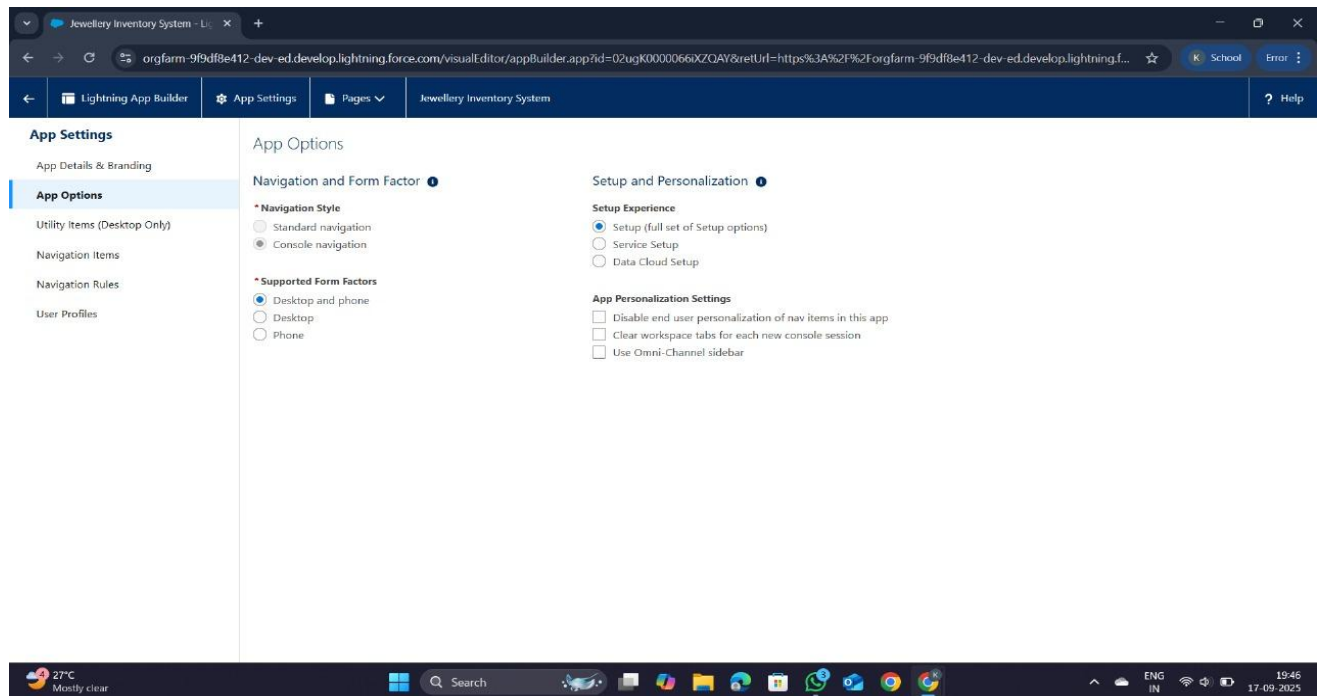
The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with "tabs" entered and a list of navigation items: "User Interface", "Rename Tabs and Labels", and "Tabs" (which is selected). Below the sidebar is a message: "Didn't find what you're looking for? Try using Global Search." The main content area is titled "Custom Tabs" and includes a sub-header "Custom Object Tabs". Below this is a table with columns "Action", "Label", "Tab Style", and "Description". The table lists several tabs: "Billings" (Circle style), "Customer Orders" (Can style), "Items" (Sun style), "Jewel Customers" (Moon style), and "Prices" (Fun style). Below the table are sections for "Web Tabs" and "Visualforce Tabs", both indicating that no tabs have been defined. The bottom of the screen shows a Windows taskbar with various application icons and a system clock showing 19:34 on 17-09-2025.

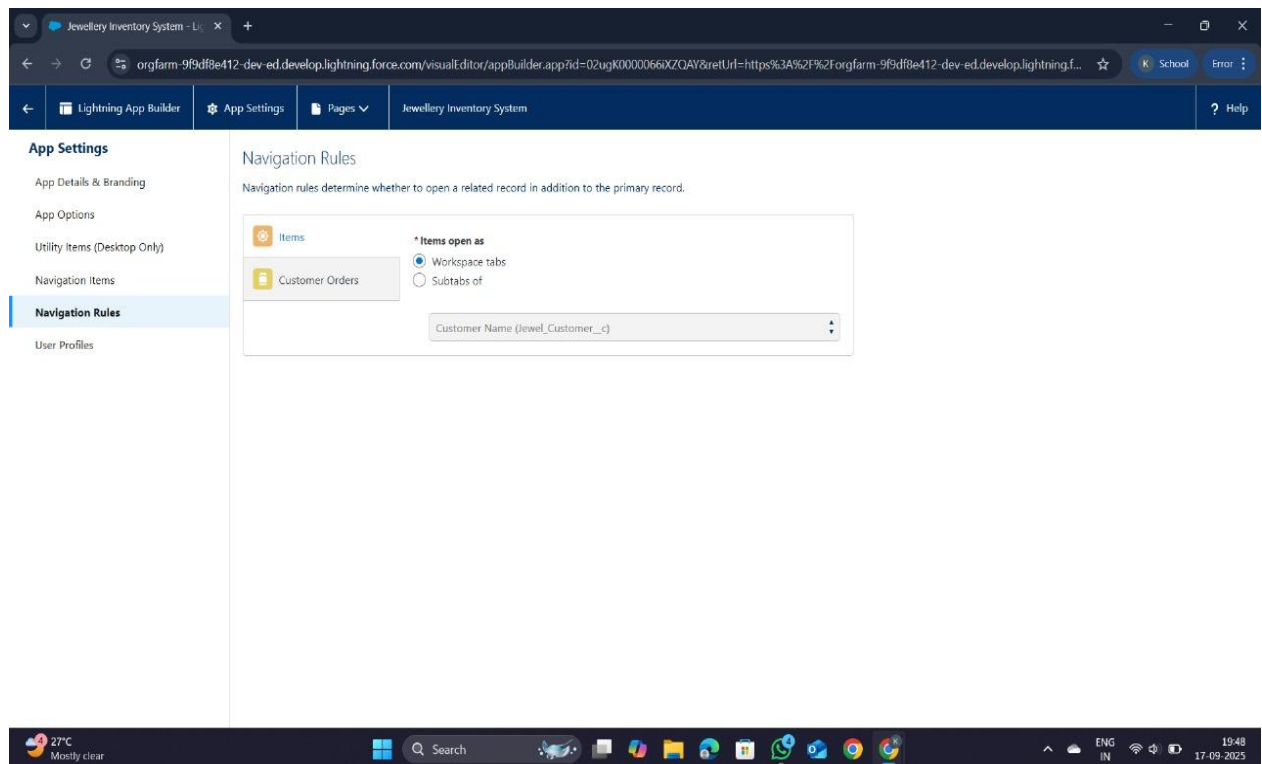
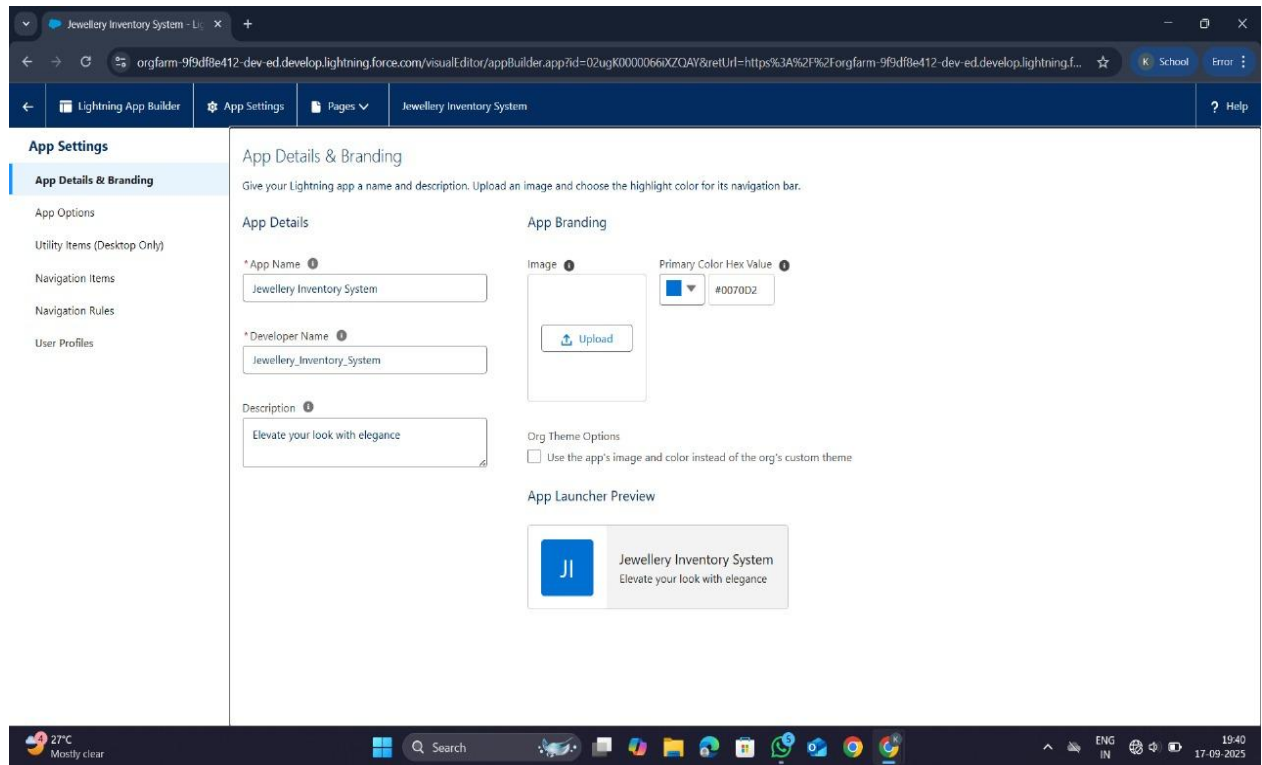
Action	Label	Tab Style	Description
Edit   Del	Billings	Circle	
Edit   Del	Customer Orders	Can	
Edit   Del	Items	Sun	
Edit   Del	Jewel Customers	Moon	
Edit   Del	Prices	Fun	

The screenshot shows the Salesforce Setup interface, specifically the "Custom Tab Definition Detail" for the "Items" tab. The left sidebar is the same as in the first screenshot. The main content area is titled "Custom Object Tab Items" and includes a sub-header "Custom Tab Definition Detail". Below this is a table with columns "Tab Label", "Object", "Description", "Created By", "Tab Style", "Splash Page Custom Link", and "Modified By". The table shows the details for the "Items" tab, which is a "Sun" style tab. The "Created By" and "Modified By" fields both show "KEERTHANA.R." with a timestamp of "9/1/2025, 10:33 PM". The bottom of the screen shows a Windows taskbar with various application icons and a system clock showing 19:35 on 17-09-2025.

Tab Label	Object	Description	Created By	Tab Style	Splash Page Custom Link	Modified By
Items	Item		KEERTHANA.R. 9/1/2025, 10:33 PM	Sun		KEERTHANA.R. 9/1/2025, 10:33 PM

## Created a lightning app :







## Created Lookup-relationship and creating a master-detail relationship :

The screenshot shows the Salesforce Setup interface for the 'Customer Order' object. The 'Fields & Relationships' section is active, displaying a list of 5 fields sorted by field label. The fields are:

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

The left sidebar shows the navigation menu with 'Fields & Relationships' selected. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The bottom status bar shows the system time as 19:58 on 17-09-2025.

## Created Text field in jewel customer object :

The screenshot shows the Salesforce Setup interface for the 'Jewel Customer' object, specifically the 'Custom Field Definition Detail' page for the 'City' field. The page displays the following information:

**Field Information**

Field Label	Field Name	Object Name
City	City__c	Jewel Customer

**General Options**

Option	Value
Required	<input type="checkbox"/>
Unique	<input type="checkbox"/>
Case Sensitive	<input type="checkbox"/>
External ID	<input type="checkbox"/>
Default Value	

The page also includes a 'Validation Rules' link and a 'Where is this used?' link. The left sidebar shows the navigation menu with 'Fields & Relationships' selected. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The bottom status bar shows the system time as 20:01 on 17-09-2025.



## Created the phone field in object jewel customer :

The screenshot shows the Salesforce Setup interface for the 'Jewel Customer' object. The left sidebar contains a navigation menu with 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, and Scoping Rules. The main content area is titled 'Jewel Customer Custom Field' and 'Phone'. It includes a 'Back to Jewel Customer' link and a 'Validation Rules (0)' button. The 'Custom Field Definition Detail' section has tabs for 'Edit', 'Set Field Level Security', 'View Field Accessibility', and 'Where is this used?'. The 'Field Information' table lists: Field Label (Phone), Field Name (Phone), API Name (Phone\_\_c), Description, Help Text, Data Owner, Field Usage, Data Sensitivity Level, Compliance Categorization, Created By (KEERTHANA.R. 9/1/2025, 11:00 PM), and Modified By (KEERTHANA.R. 9/1/2025, 11:00 PM). The 'General Options' section shows 'Required' as an unchecked checkbox and 'Default Value' as an empty field. The 'Validation Rules' section shows 'No validation rules defined.' with a 'New' button and a 'Validation Rules Help' link. The bottom of the screen shows a Windows taskbar with various application icons and a system clock displaying 20:02 on 17-09-2025.

Field Information		Object Name
Field Label	Phone	Jewel Customer
Field Name	Phone	
API Name	Phone__c	
Description		
Help Text		
Data Owner		
Field Usage		
Data Sensitivity Level		
Compliance Categorization		
Created By	KEERTHANA.R. 9/1/2025, 11:00 PM	
Modified By	KEERTHANA.R. 9/1/2025, 11:00 PM	

General Options	
Required	<input type="checkbox"/>
Default Value	

Validation Rules: No validation rules defined. [New](#) [Validation Rules Help](#)

## Created the Email field in object jewel customer :

The screenshot shows the Salesforce Setup interface for the 'Jewel Customer' object, specifically the 'Email' custom field definition. The layout is identical to the previous screenshot, but the field details are for an email field. The 'Field Information' table lists: Field Label (Email), Field Name (Email), API Name (Email\_\_c), Description, Help Text, Data Owner, Field Usage, Data Sensitivity Level, Compliance Categorization, Created By (KEERTHANA.R. 9/1/2025, 11:01 PM), and Modified By (KEERTHANA.R. 9/1/2025, 11:01 PM). The 'General Options' section shows 'Required' as an unchecked checkbox, 'Unique' as an unchecked checkbox, 'External ID' as an unchecked checkbox, and 'Default Value' as an empty field. The 'Validation Rules' section shows 'No validation rules defined.' with a 'New' button and a 'Validation Rules Help' link. The bottom of the screen shows a Windows taskbar with various application icons and a system clock displaying 20:03 on 17-09-2025.

Field Information		Object Name
Field Label	Email	Jewel Customer
Field Name	Email	
API Name	Email__c	
Description		
Help Text		
Data Owner		
Field Usage		
Data Sensitivity Level		
Compliance Categorization		
Created By	KEERTHANA.R. 9/1/2025, 11:01 PM	
Modified By	KEERTHANA.R. 9/1/2025, 11:01 PM	

General Options	
Required	<input type="checkbox"/>
Unique	<input type="checkbox"/>
External ID	<input type="checkbox"/>
Default Value	

Validation Rules: No validation rules defined. [New](#) [Validation Rules Help](#)

## Created Picklist field in item object :

The screenshot shows the Salesforce Setup interface for configuring a custom field on the 'Item' object. The page title is 'Item Custom Field Item Type'. The left sidebar shows the navigation menu with 'Fields & Relationships' selected. The main content area is divided into 'Field Information' and 'General Options' sections.

**Field Information**

Field Label	Item Type	Object Name	Item Type
Field Name	Item_Type	Data Type	Picklist
API Name	Item_Type__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	KEERTHANA.R. 9/1/2025, 11:05 PM	Modified By	KEERTHANA.R. 9/1/2025, 11:05 PM

**General Options**

Required ☐  
Default Value

**Picklist Options**

Restrict picklist to the values defined in the value set ☒  
Control the field's display ☐

## Created currency field in price object :

The screenshot shows the Salesforce Setup interface for configuring a custom field on the 'Price' object. The page title is 'Price Custom Field Gold Price'. The left sidebar shows the navigation menu with 'Fields & Relationships' selected. The main content area is divided into 'Field Information' and 'General Options' sections.

**Field Information**

Field Label	Gold Price	Object Name	Price
Field Name	Gold_Price	Data Type	Currency
API Name	Gold_Price__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	KEERTHANA.R. 9/1/2025, 11:07 PM	Modified By	KEERTHANA.R. 9/1/2025, 11:07 PM

**General Options**

Required ☐  
Default Value

**Currency Options**

Length 8  
Decimal Places 0

The screenshot shows the Salesforce Setup interface for the 'Item' object. The left sidebar contains navigation options: 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, and Scoping Rules.

The main content area is titled 'Item Custom Field Gold Price' with a 'Back to Item' link. It includes tabs for 'Edit', 'Set Field-Level Security', 'View Field Accessibility', and 'Where is this used?'. The 'Field Information' section displays the following details:

Field Label	Gold Price	Object Name	Item
Field Name	Gold_Price		
API Name	Gold_Price__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	KEERTHANA R.	Modified By	KEERTHANA R.
	9/1/2025, 11:26 PM		9/1/2025, 11:26 PM

The 'Formula Options' section shows:

Data Type	Formula
Decimal Places	2
Formula	Prices__r.Gold_Price__c / 10

- Formula field (cross object ) in item object.

## Created remaining fields in objects :

The screenshot shows the Salesforce Setup interface for the 'Jewel Customer' object. The left sidebar contains navigation options: 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, and Scoping Rules.

The main content area is titled 'Jewel Customer' and shows the 'Fields & Relationships' section with 11 items, sorted by Field Label. The fields are listed in a table:

Field Label	Field Name	Field Type	Field Length	Field Format	Field Dependencies	Field History Tracking
Country	Country__c	Text	18			
Created By	CreatedById	Lookup	(User)			
Customer Name	Name	Text	80		✓	
Email	Email__c	Email				
Last Modified By	LastModifiedById	Lookup	(User)			
Owner	OwnerId	Lookup	(User, Group)		✓	
Phone	Phone__c	Phone				
State	State__c	Text	20			
Street	Street__c	Text	20			
Zip/Postal code	Zip_Postal_code__c	Text	6			

### **Created fields and relationships :**

[illegible]

The screenshot shows the Salesforce Lightning interface for the 'Customer Order' object in the 'Setup' area. The left sidebar contains navigation links: 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, and Scoping Rules.

### 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)		✓	▼
Item	Item__c	Master-Detail(Item)		✓	▼
Last Modified By	LastModifiedById	Lookup(User)			
Order Id	Name	Auto Number		✓	▼
Order Status	Order_Status__c	Picklist			▼

At the bottom of the screen, there is a Windows taskbar showing the time as 20:54 on 17-09-2025, along with system icons for temperature, search, network, and other background applications.

Price | Salesforce

orgfarm-9f9df8e412-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001yMZ/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Price

Details

**Fields & Relationships**  
6 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Gold Price	Gold_Price__c	Currency(8, 0)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User/Group)		✓
Price Id	Name	Auto Number		✓
Silver Price	Silver_Price__c	Currency(8, 5)		

27°C Light rain 17-09-2023

Billing | Salesforce

orgfarm-9f9df8e412-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001yMl3/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Billing

Details

**Fields & Relationships**  
14 Items, Sorted by Field Label

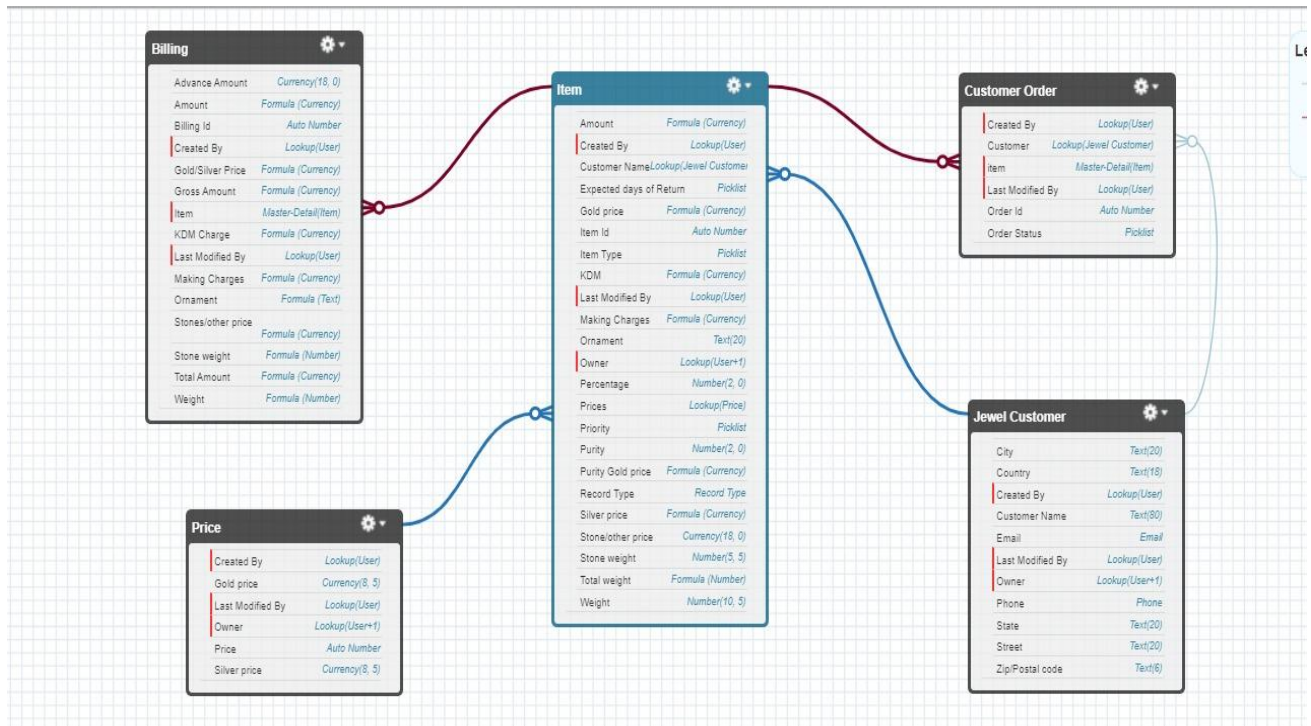
Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Formula (Currency)		
Billing Id	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Gold/Silver Price	Gold_Silver_Price__c	Formula (Currency)		
Item	Item__c	Lookup(Item)		✓
KDM Charge	KDM_Charge__c	Formula (Currency)		
Last Modified By	LastModifiedById	Lookup(User)		
Making Charges	Making_Charges__c	Formula (Currency)		
Ornament	Ornament__c	Formula (Text)		
Owner	OwnerId	Lookup(User/Group)		✓
Stone weight	Stone_weight__c	Formula (Number)		
Stones/other price	Stones_other_price__c	Formula (Currency)		
Total Amount	Total_Amount__c	Formula (Currency)		
Weight	Weight__c	Formula (Number)		

27°C Light rain 17-09-2023



## Schema builder :



## Created the field dependencies :

The screenshot shows the Salesforce Setup page for the 'Item' object. The 'Fields & Relationships' tab is selected, displaying the 'Field Dependencies' section. The 'Expected Days Of Return' field is configured with a picklist dependency.

**Field Dependencies**

Action	Dependent Field	Data Type	Modified By
<a href="#">Edit</a>   <a href="#">Del</a>	Expected Days Of Return	Picklist	KEERTHANA.R. 9/17/2025, 9:34 AM

**Validation Rules**

No validation rules defined.

**Values**

Action	Values	API Name	Default	Chart Colors	Modified By
<input type="checkbox"/> <a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Deactivate</a>	Low	Low	<input type="checkbox"/>	Assigned dynamically	KEERTHANA.R. 9/12/2025, 11:40 PM
<input type="checkbox"/> <a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Deactivate</a>	Medium	Medium	<input type="checkbox"/>	Assigned dynamically	KEERTHANA.R. 9/12/2025, 11:40 PM
<input type="checkbox"/> <a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Deactivate</a>	High	High	<input type="checkbox"/>	Assigned dynamically	KEERTHANA.R. 9/12/2025, 11:40 PM
<input type="checkbox"/> <a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Deactivate</a>	Critical	Critical	<input type="checkbox"/>	Assigned dynamically	KEERTHANA.R. 9/12/2025, 11:40 PM

# Profiles :

The screenshot displays the Salesforce Object Manager interface for an Item Validation Rule. The browser address bar shows the URL: `orgfarm-9f9df8e412-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/page?address=%2F03dgK0000000Q965`. The page title is "Item Validation Rule". Below the title, there is a "Back to Item" link and a "Help for this Page" link. The "Validation Rule Detail" section includes a table with the following information:

Validation Rule Detail		Edit		Clone	
Rule Name	ValidationRule_For_Item	Active	<input checked="" type="checkbox"/>		
Error Condition Formula	OR( ISBLANK( Amount__c ), ISBLANK( Customer_Name__c ), ISBLANK( Gold_Price__c ), ISBLANK( KDM__c ), ISBLANK( Ornament__c ), ISBLANK( Percentage__c ), ISBLANK( Making_Charges__c ), ISBLANK( Prices__c ), ISBLANK( Stone_Weight__c ), ISBLANK( Silver_Price__c ), ISBLANK( Stone_Other_Price__c ), ISBLANK( Stone_Weight__c ), ISBLANK( Weight__c ) )				
Error Message	Please fill Required fields	Error Location	Top of Page		
Description					
Created By	KEERTHANA B, 9/17/2025, 8:49 AM	Modified By	KEERTHANA B, 9/17/2025, 8:49 AM		

At the bottom of the page, there are "Edit" and "Clone" buttons. The Windows taskbar at the bottom shows the date and time as 21:20 on 17-09-2025, along with weather information (27°C, Light rain) and various application icons.

This screenshot is identical to the one above, showing the Salesforce Object Manager interface for an Item Validation Rule. The browser address bar shows the URL: `orgfarm-9f9df8e412-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/page?address=%2F03dgK0000000Q965`. The page title is "Item Validation Rule". Below the title, there is a "Back to Item" link and a "Help for this Page" link. The "Validation Rule Detail" section includes a table with the following information:

Validation Rule Detail		Edit		Clone	
Rule Name	ValidationRule_For_Item	Active	<input checked="" type="checkbox"/>		
Error Condition Formula	OR( ISBLANK( Amount__c ), ISBLANK( Customer_Name__c ), ISBLANK( Gold_Price__c ), ISBLANK( KDM__c ), ISBLANK( Ornament__c ), ISBLANK( Percentage__c ), ISBLANK( Making_Charges__c ), ISBLANK( Prices__c ), ISBLANK( Stone_Weight__c ), ISBLANK( Silver_Price__c ), ISBLANK( Stone_Other_Price__c ), ISBLANK( Stone_Weight__c ), ISBLANK( Weight__c ) )				
Error Message	Please fill Required fields	Error Location	Top of Page		
Description					
Created By	KEERTHANA B, 9/17/2025, 8:49 AM	Modified By	KEERTHANA B, 9/17/2025, 8:49 AM		

At the bottom of the page, there are "Edit" and "Clone" buttons. The Windows taskbar at the bottom shows the date and time as 21:20 on 17-09-2025, along with weather information (27°C, Light rain) and various application icons.



## Gold smith profile :

The screenshot shows the Salesforce Setup interface for the 'Gold Smith' profile. The left sidebar contains a search bar with 'profiles' and a list of navigation items: 'Users' and 'Profiles'. The main content area is titled 'SETUP Profiles' and shows the 'Gold Smith' profile details. The profile is a Custom Profile created by KEERTHANA.R. on 9/17/2025 at 8:53 AM. The 'Page Layouts' section lists various layouts assigned to the profile, including Global Layout, Email Application, Home Page Layout, Account, Alternative Payment Method, Location Group Assignment, Macro, Object Milestone, Operating Hours, and Opportunity.

**Profile Detail**

Name	Gold Smith
User License	Salesforce
Description	
Created By	KEERTHANA.R. 9/17/2025, 8:53 AM
Modified By	KEERTHANA.R. 9/17/2025, 8:58 AM

**Page Layouts**

Standard Object Layouts	Global	Global Layout [View Assignment]	Location Group Assignment	Location Group Assignment Layout [View Assignment]
Email Application	Not Assigned [View Assignment]		Macro	Macro Layout [View Assignment]
Home Page Layout	Home Page Default [View Assignment]		Object Milestone	Object Milestone Layout [View Assignment]
Account	Account Layout [View Assignment]		Operating Hours	Operating Hours Layout [View Assignment]
Alternative Payment Method	Alternative Payment Method Layout [View Assignment]		Opportunity	Opportunity Layout [View Assignment]

## Worker profile :

The screenshot shows the Salesforce Setup interface for the 'Worker Profile'. The left sidebar contains a search bar with 'profiles' and a list of navigation items: 'Users' and 'Profiles'. The main content area is titled 'SETUP Profiles' and shows the 'Worker Profile' details. The profile is a Custom Profile created by KEERTHANA.R. on 9/17/2025 at 9:02 AM. The 'Page Layouts' section lists various layouts assigned to the profile, including Global Layout, Email Application, Home Page Layout, Account, Alternative Payment Method, Location Group Assignment, Lead, Location, Location Group, Location Group Assignment, Object Milestone, and Opportunity.

**Profile Detail**

Name	Worker Profile
User License	Salesforce Platform
Description	
Created By	KEERTHANA.R. 9/17/2025, 9:02 AM
Modified By	KEERTHANA.R. 9/17/2025, 9:03 AM

**Page Layouts**

Standard Object Layouts	Global	Global Layout [View Assignment]	Lead	Lead Layout [View Assignment]
Email Application	Not Assigned [View Assignment]		Location	Location Layout [View Assignment]
Home Page Layout	Home Page Default [View Assignment]		Location Group	Location Group Layout [View Assignment]
Account	Account Layout [View Assignment]		Location Group Assignment	Location Group Assignment Layout [View Assignment]
Alternative Payment Method	Alternative Payment Method Layout [View Assignment]		Object Milestone	Object Milestone Layout [View Assignment]

## Created gold smith role :

The screenshot shows the Salesforce Setup interface for the 'Roles' section. The left sidebar contains a search bar with 'roles' and a navigation menu with 'Users' and 'Roles' (selected). The main content area displays the 'Gold Smith' role details. Below the role name, a hierarchy is shown: 'KG COLLEGE OF ARTS AND SCIENCE > CEO > Gold Smith'. The 'Role Detail' section includes fields for Label, Role Name, Modified By, Opportunity Access, and Case Access. The 'Users in Gold Smith Role' section shows 'No records to display'.

Role: Gold Smith

Below is the list of users assigned to this role. Click Edit to modify the role name. Click Assign Users to Role to assign existing users to this role. Click New User to create a user for this role.

Hierarchy: KG COLLEGE OF ARTS AND SCIENCE > CEO > Gold Smith

Siblings: SVP, Sales & Marketing SVP, Customer Service & Support CEO, SVP, Human Resources COO

Users in Gold Smith Role (0)

**Role Detail**

Label	Gold Smith	Role Name	Gold_Smith
This role reports to	CEO	Role Name as displayed on reports	
Modified By	KEERTHANA.R 9/17/2025, 8:55 PM	Sharing Groups	Role, Role and Internal Subordinates
Opportunity Access	Users in this role can <b>edit</b> all opportunities associated with accounts that they own, regardless of who owns the opportunities		
Case Access	Users in this role can <b>edit</b> all cases associated with accounts that they own, regardless of who owns the cases		

**Users in Gold Smith Role**

No records to display

## Created one more role as Worker which reports to gold smith :

The screenshot shows the Salesforce Setup interface for the 'Roles' section. The left sidebar contains a search bar with 'roles' and a navigation menu with 'Users' and 'Roles' (selected). The main content area displays the 'Worker' role details. Below the role name, a hierarchy is shown: 'KG COLLEGE OF ARTS AND SCIENCE > CEO > Gold Smith > Worker'. The 'Role Detail' section includes fields for Label, Role Name, Modified By, Opportunity Access, and Case Access. The 'Users in Worker Role' section shows 'No records to display'.

Role: Worker

Below is the list of users assigned to this role. Click Edit to modify the role name. Click Assign Users to Role to assign existing users to this role. Click New User to create a user for this role.

Hierarchy: KG COLLEGE OF ARTS AND SCIENCE > CEO > Gold Smith > Worker

Users in Worker Role (0)

**Role Detail**

Label	Worker	Role Name	Worker
This role reports to	Gold Smith	Role Name as displayed on reports	
Modified By	KEERTHANA.R 9/17/2025, 8:56 PM	Sharing Groups	Role, Role and Internal Subordinates
Opportunity Access	Users in this role can <b>edit</b> all opportunities associated with accounts that they own, regardless of who owns the opportunities		
Case Access	Users in this role can <b>edit</b> all cases associated with accounts that they own, regardless of who owns the cases		

**Users in Worker Role**

No records to display

## Created user :

The screenshot shows the Salesforce Setup page for a user named Niklaus Mikaelson. The left sidebar contains navigation options like Users, Permission Set Groups, and Feature Settings. The main content area displays the user's details, including Name, Email, Username, Nickname, Title, Company, Department, Division, Address, Time Zone, Locale, Language, and Delegated Approver. The user is active and has the role of Gold Smith. The page also shows various settings like User License, Profile, and Accessibility Mode.

**User Detail**

Field	Value
Name	Niklaus Mikaelson
Alias	nmika
Email	keerthana719@gmail.com
Username	keerthana719@gmail.com
Nickname	User17581681750685512922
Title	
Company	
Department	
Division	
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	
Role	Gold Smith
User License	Salesforce
Profile	Gold Smith
Active	<input checked="" type="checkbox"/>
Marketing User	<input type="checkbox"/>
Offline User	<input type="checkbox"/>
Knowledge User	<input type="checkbox"/>
Flow User	<input type="checkbox"/>
Service Cloud User	<input type="checkbox"/>
Site.com Contributor User	<input type="checkbox"/>
Site.com Publisher User	<input type="checkbox"/>
WDC User	<input type="checkbox"/>
Mobile Push Registrations	View
Data.com User Type	1
Accessibility Mode (Classic Only)	<input type="checkbox"/>
Debug Mode	<input type="checkbox"/>
High Contrast Palette on Chrome	<input type="checkbox"/>

## Created a gold page layout :

The screenshot shows the Salesforce Setup page for a custom page layout for a gold item. The left sidebar contains navigation options like Details, Fields & Relationships, Page Layouts, and Lightning Record Pages. The main content area displays the page layout editor, showing a table of fields and their properties. The page layout is titled "Gold" and includes fields like Customer Name, Item Type, Ornament, Priority, Stone/Other Price, Purity, Gold Price, Total Weight, Amount, KDM, Making Charges, and Silver Price.

**Page Layout: Gold**

Field Name	Field Type	Field Properties
Customer Name	Text	Label: Customer Name
Item Type	Text	Label: Item Type
Ornament	Text	Label: Ornament
Priority	Text	Label: Priority
Stone/Other Price	Text	Label: Stone/Other Price
Purity	Text	Label: Purity
Gold Price	Text	Label: Gold Price
Total Weight	Text	Label: Total Weight
Amount	Text	Label: Amount
KDM	Text	Label: KDM
Making Charges	Text	Label: Making Charges
Silver Price	Text	Label: Silver Price

## Created a silver page layout :

Dashboard

Task Execution Details

As of 29-Mar-2024, 9:55 am Viewing as Paila Bhargavi

Open

Refresh

Subscribe

venue and Drop Off point

Venue Name ↑	Drop-Off poi...	Dis...
La Royale Banquet Hall.	Shapur	5.116
La Royale Banquet Hall.	Jeedimetla	6.903
Paradise Garden Function Hall	Suraram Village	28.23
Ujwala Grand	-	-

1

View Report (venue and Drop Off point)

Volunteer Task

Record Count

1

0.5


0

4

2

Volunteer ID

View Report (Volunteer Task)



Flow Component: Venue Form

This is a placeholder. Flows don't run in the canvas.

Add Component(s) Here

Add Component(s) Here

FoodConnect

Home Venues Tasks Drop-Off points Execution Details Volunteers Reports Dashboards

Search...

Star

+

?

Settings

Notifications

Profile

Dashboard

Task Execution Details

As of 29-Mar-2024, 9:55 am Viewing as Paila Bhargavi

Open

Refresh

Subscribe

venue and Drop Off point

Venue Name ↑	Drop-Off poi...	Dis...
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Paradise Garden Function Hall	Suraram Village	28.23
Ujwala Grand	-	-

1

View Report (venue and Drop Off point)

Volunteer Task

Record Count

1

0.5


0

4

2

Volunteer ID

View Report (Volunteer Task)



Venue Form

Venue Name

Email

Phone

Venue Location

you@example.com

Next

# ADVANTAGES & DISADVANTAGES

## Advantages

1. **Efficient Coordination:** Streamlines communication between donors, volunteers, and drop-off points.
2. **Reduces Food Waste:** Helps minimize food waste by redistributing surplus to those in need.
3. **Automation:** Uses Salesforce tools (Flows, Alerts, etc.) to reduce manual work and human error.
4. **Real-Time Tracking:** Provides visibility into task status, pickup/delivery updates, and execution logs.
5. **Social Impact:** Supports hunger relief efforts and strengthens community support systems.

## Disadvantages

1. **Technology Dependency:** Requires access to Salesforce and internet connectivity, which may be a barrier in some regions.
2. **Initial Setup Cost:** Implementation and customization on Salesforce can be costly for small organizations.
3. **Volunteer Reliability:** The system depends heavily on volunteers, which can lead to inconsistencies in execution.
4. **Food Safety Risks:** If not handled properly, there can be concerns about the hygiene and safety of leftover food.
5. **Training Requirement:** Users need training to effectively use the system and its automated features.

# CONCLUSION

The Leftover Food Supply Management System successfully streamlines the food donation and distribution process through a structured, automated Salesforce application. It enhances efficiency, coordination, and tracking accuracy for donors, volunteers, and administrators, ultimately contributing to reduced food waste and greater community impact.

# APPENDIX

- **Source Code:** Provided in Apex Classes and Triggers **trigger**

**DropOffTrigger on Drop Off point c (before insert) {**

**for(Drop Off point c Drop : Trigger.new){**

**Drop.Distance c = Drop.distance calculation c;**

**}**

