CRM Application For Jewel Management - (Developer)

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College Avinashi

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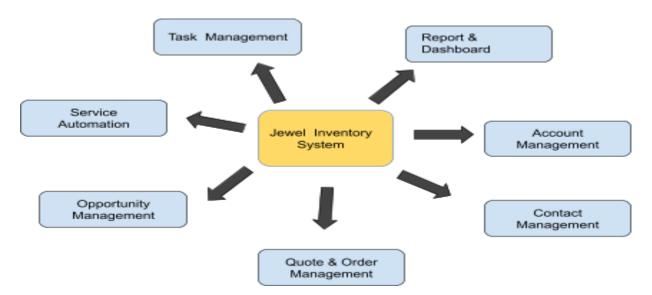
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1. INTRODUCTION

1.1 Project Overview

The **Jewel Management CRM** project aims to develop a customized Customer Relationship Management (CRM) system on Salesforce to streamline and enhance the operations of a jewelry business. The system will manage customer interactions, sales, inventory, and relationships, providing a 360-degree view of customers and enabling data-driven decision-making.



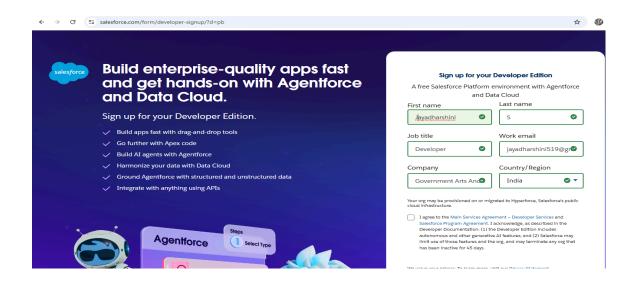
1.2 Purpose

The purpose of CRM in jewelry management for developers is to create a customized system that streamlines business operations, enhances customer relationships, and drives sales growth.

DEVELOPMENT PHASE

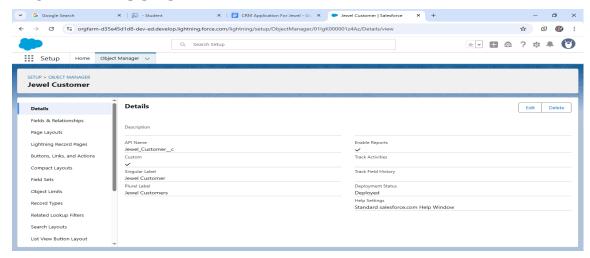
Creating Developer Account:

By using this URL - https://developer.salesforce.com/signup

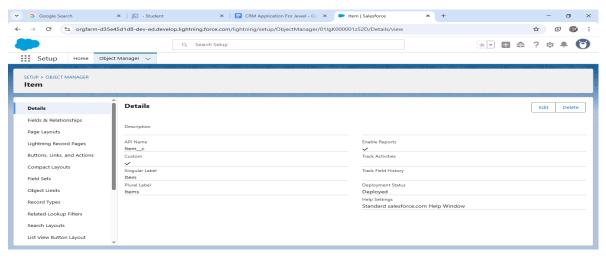


Created objects: Jewel Customer, Item, Customer Order, Price, Billing

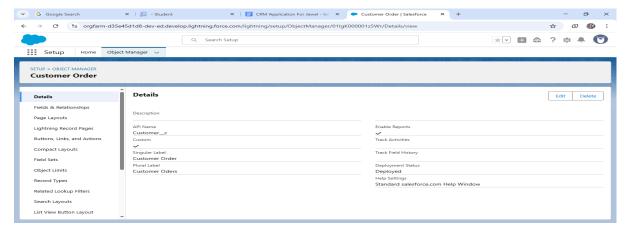
JEWEL CUSTOMER



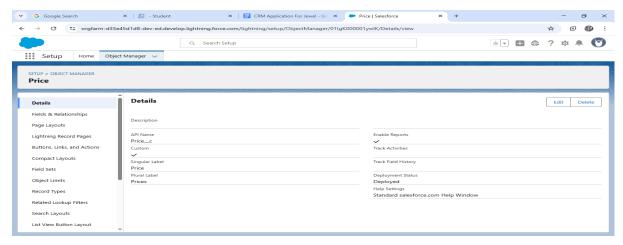
ITEM



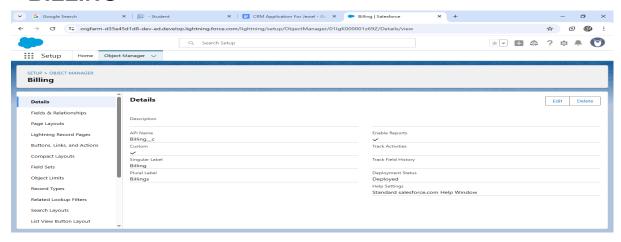
CUSTOMER ORDER



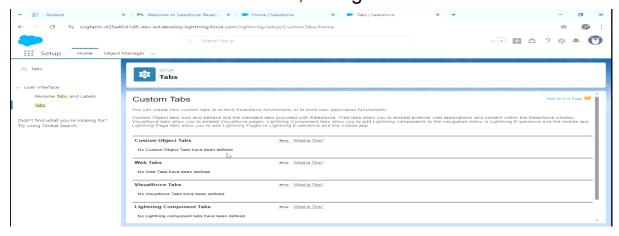
PRICE

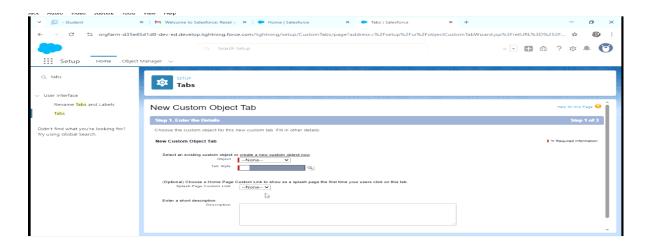


BILLING



Creating Tabs: Jewel Customer, Item, Customer Order, Price, Billing

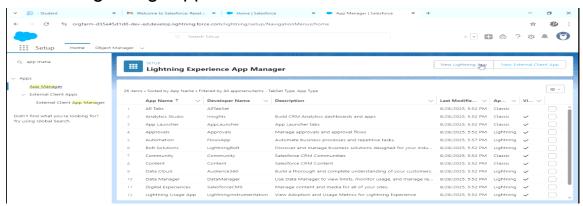




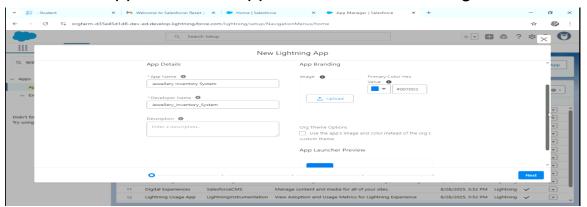
Developed Lightning App with relevant tabs

Jewellery Inventory System

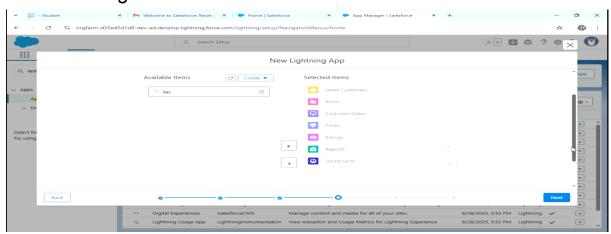
New Lightning App



Fill the app name in app details and branding

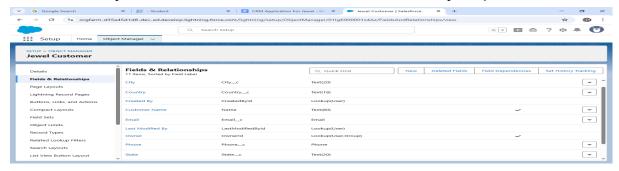


Add Navigation Items And User Profiles



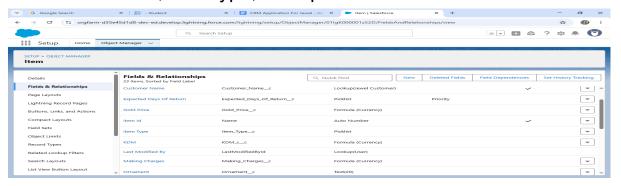
Configured fields and relationships Jewel Customer:

City, Phone, Email, State, Street, Country, Zip/Postal Code

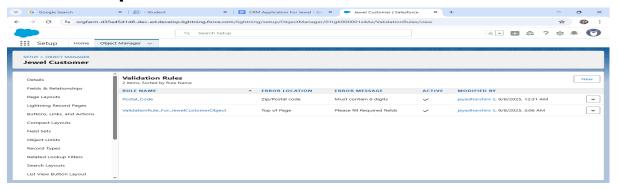


Item:

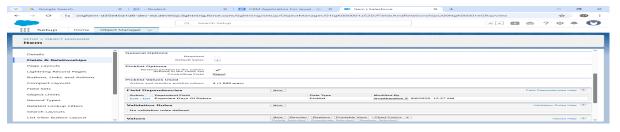
Number, Item type, Gold price & etc..



Field Dependencies



Validation Rule

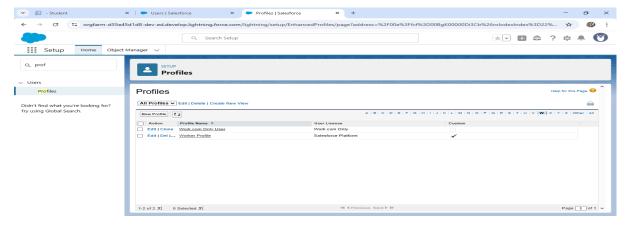


Creating the User Profiles

Gold Smith

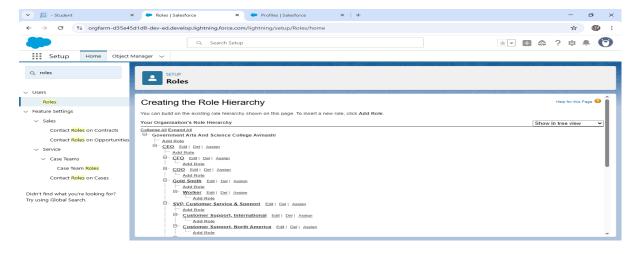


Worker Profile

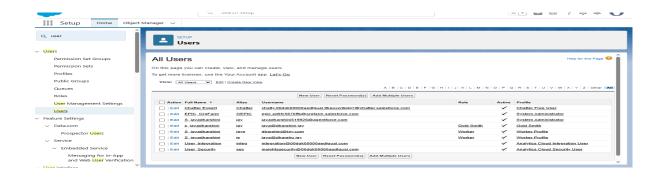


Creating Roles

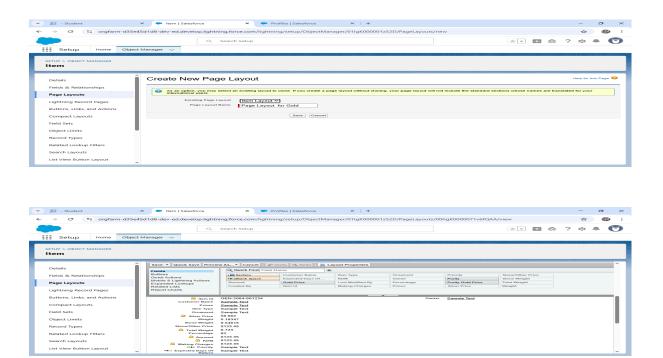
Gold Smith And Worker Role



Creating the User

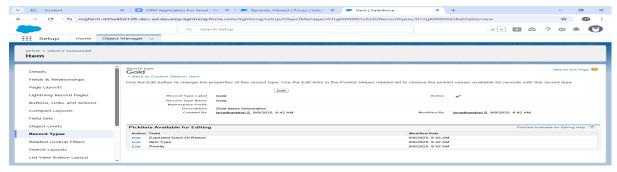


Creating A Gold And Silver Page Layout



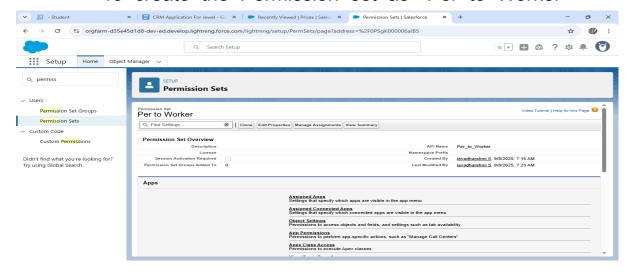
TO Create a Record type

Gold And Silver Record type



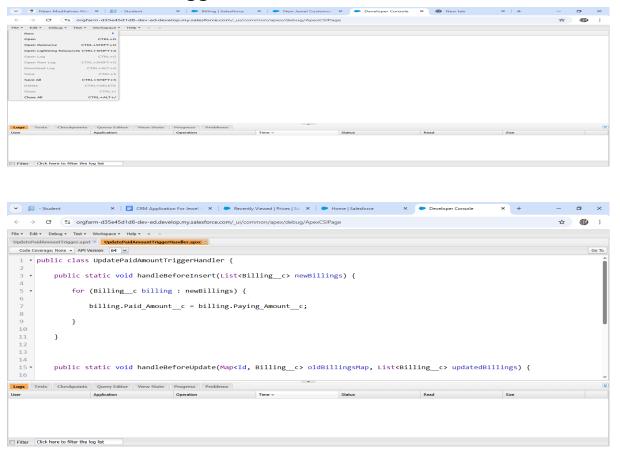
Permission Set`

To create the Permission set as "Per to Worker"

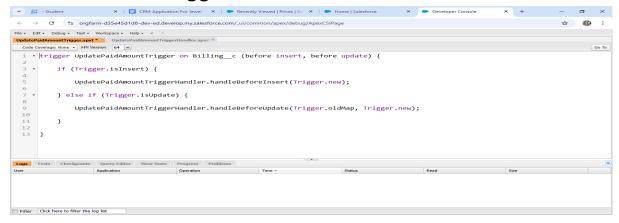


Trigger

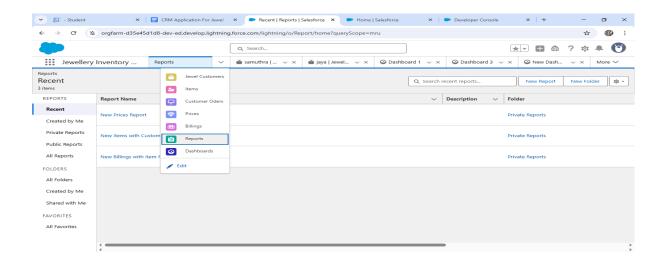
Create A Trigger Handler Class



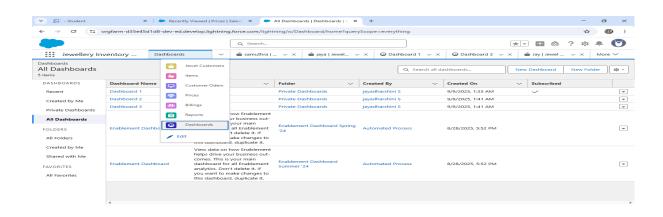
Create the Trigger



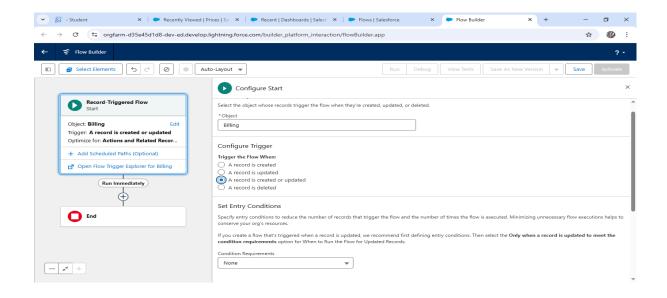
Create Report



Creating the Dashboard



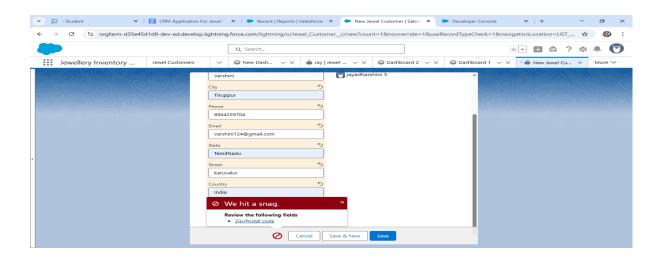
Create A Flow

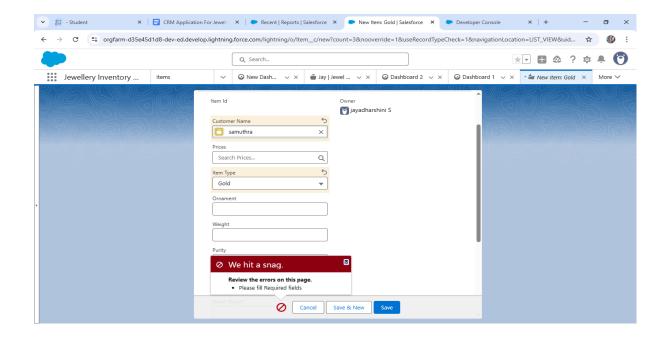


FUNCTIONAL AND PERFORMANCE TESTING

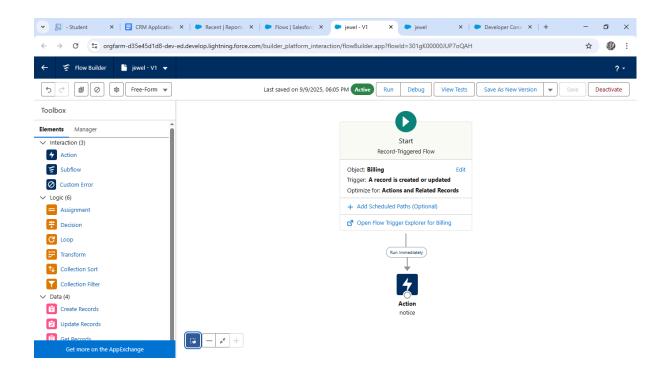
Performance Testing

Validation Rule Checking



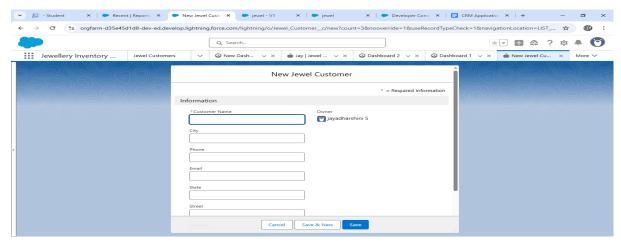


Test flows on Billing

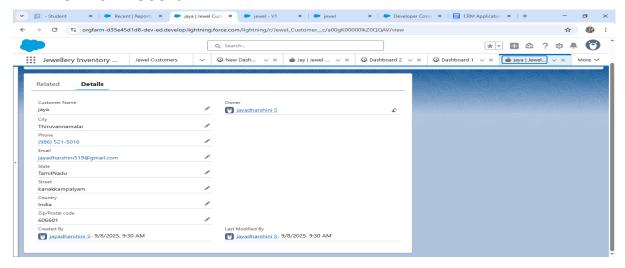


User Adoption

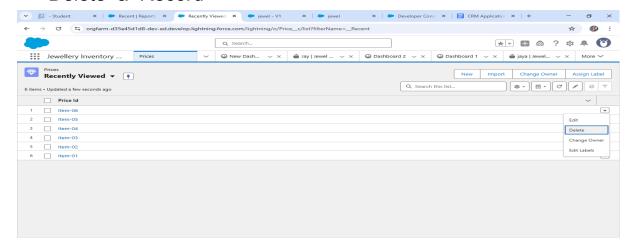
Create a Record



View a Record



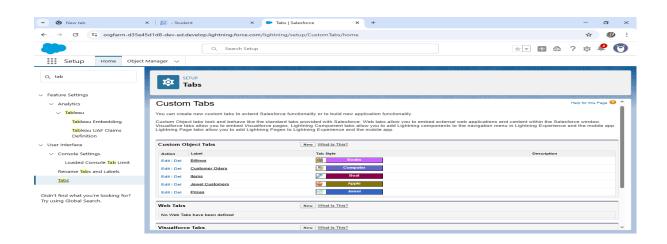
Delete a Record



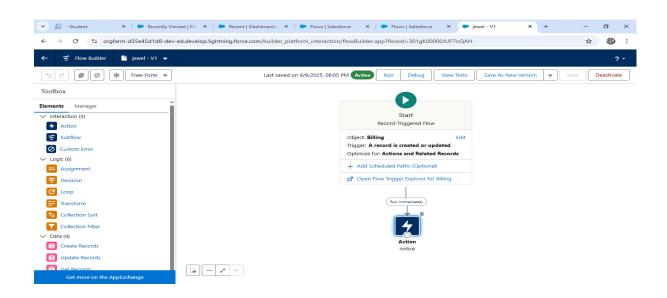
RESULTS

Output Screenshots

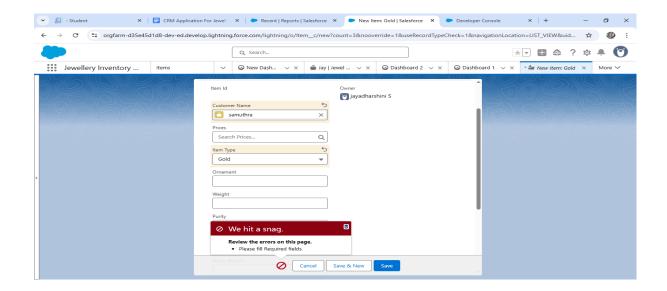
Tabs for jewel Customer, Items, Customer Order, Billing, Prices



Flow runs



Trigger error messages



ADVANTAGES & DISADVANTAGES

Advantages :

- ➡ Enhanced Customer Relationships
- ➡ Streamlined Sales Processes
- Better Inventory Management
- → Data Driven Insights

Disadvantages :

- ➡ Implementation Complexity
- → Cost and Maintenance
- Data Security Concerns
- User adoption

APPENDIX

Source Code: Provided in Apex Classes And Trigger

UpdatePaidAmountTriggerHandler

```
public class UpdatePaidAmountTriggerHandler {
   public static void handleBeforeInsert(List<Billing__c> newBillings) {
     for (Billing__c billing : newBillings) {
        billing.Paid_Amount__c = billing.Paying_Amount__c;
     }
   }
   public static void handleBeforeUpdate(Map<Id, Billing__c> oldBillingsMap,
List<Billing__c> updatedBillings) {
     for (Billing__c billing : updatedBillings) {
        Billing__c oldBilling = oldBillingsMap.get(billing.Id);
        Decimal oldPaidAmount = oldBilling.Paid_Amount__c;
        billing.Paid_Amount__c = oldPaidAmount + billing.Paying_Amount__c;
   }
}
```

UpdatePaidAmountTrigger on Billing

```
trigger UpdatePaidAmountTrigger on Billing_c (before insert,
before update) {
  if (Trigger.isInsert) {
    UpdatePaidAmountTriggerHandler.handleBeforeInsert(Trigger.new);
    } else if (Trigger.isUpdate) {
    UpdatePaidAmountTriggerHandler.handleBeforeUpdate(Trigger.old Map, Trigger.new);
    }
}
```

CONCLUSION

In Jewelry Management, CRM systems offer Developers significant benefits like enhanced customer relationships, streamlined sales processes, and better inventory management. By leveraging CRM, developers can create customized solutions that drive business growth and improve customer satisfaction.