

OUTPUT SCREENS

A CRM APPLICATION FOR LAPTOP RENTALS

Create Total Laptops Object

The screenshot displays the Salesforce Object Manager interface for the 'Total Laptops' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area is titled 'Details' and includes the following fields:

- Description: (Empty text field)
- API Name: Total_Laptops__c
- Custom: ☒
- Singular Label: Total Laptops
- Plural Label: Total Laptops
- Enable Reports: ☒
- Track Activities: ☐
- Track Field History: ☒
- Deployment Status: Deployed
- Help Settings: Standard salesforce.com Help Window

The top of the page shows the Salesforce logo, a search bar with 'total laptops', and navigation tabs for Setup, Home, and Object Manager. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 19:46 on 28-10-2024.

Create consumer Object

The screenshot displays the Salesforce Object Manager interface for the 'consumer' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area is titled 'Details' and includes the following fields:

- Description: (Empty text field)
- API Name: consumer__c
- Custom: ☒
- Singular Label: consumer
- Plural Label: consumer
- Enable Reports: ☒
- Track Activities: ☐
- Track Field History: ☒
- Deployment Status: Deployed
- Help Settings: Standard salesforce.com Help Window

The top of the page shows the Salesforce logo, a search bar with 'consumer', and navigation tabs for Setup, Home, and Object Manager. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 19:46 on 28-10-2024.

Create Laptop Bookings Object

The screenshot shows the Salesforce Object Manager interface for the 'Laptop Bookings' object. The left sidebar contains a navigation menu with the following items: Details (selected), Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area is titled 'Details' and includes an 'Edit' button and a 'Delete' button. The details are organized into two columns:

Field	Value
Description	
API Name	Laptop_Bookings__c
Custom	✓
Singular Label	Laptop Bookings
Plural Label	Laptop Bookings
Enable Reports	✓
Track Activities	
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

Create Billing Process Object

The screenshot shows the Salesforce Object Manager interface for the 'Billing Process' object. The left sidebar contains a navigation menu with the following items: Details (selected), Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area is titled 'Details' and includes an 'Edit' button and a 'Delete' button. The details are organized into two columns:

Field	Value
Description	
API Name	Billing_Process__c
Custom	✓
Singular Label	Billing Process
Plural Label	Billing Process
Enable Reports	✓
Track Activities	
Track Field History	✓
Deployment Status	Deployed
Help Settings	

Tabs

The screenshot shows the Salesforce Setup interface for Custom Tabs. The left sidebar contains a search bar with 'flows' and a list of categories: Process Automation (Flows), Identity (Login Flows), and 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 'New' button and a 'What Is This?' link. Below this is a table of Custom Object Tabs:

Action	Label	Tab Style	Description
Edit Del	Billing Process	Bottle	
Edit Del	consumer	Factory	
Edit Del	Laptop Bookings	Hammer	
Edit Del	Total Laptops	Computer	

Creating Laptop Rentals in Lightning App:

The screenshot shows the Lightning App Builder interface for creating a new app. The left sidebar contains a search bar and a list of categories: App Options, Utility Items (Desktop Only), Navigation Items, and User Profiles. The main content area is titled 'App Details & Branding' and includes a 'Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.' section. Below this is a form for 'App Details' and 'App Branding'.

App Details

- * App Name: LAPTOP RENTALS
- * Developer Name: LAPTOP_RENTALS
- Description: Enter a description...

App Branding

- Image:
- Primary Color Hex Value: #0070D2
- Org Theme Options: ☐ Use the app's image and color instead of the org's custom theme

App Launcher Preview

Creating the field in Consumer object

The screenshot shows the Salesforce Object Manager interface for the 'consumer' object. The left sidebar contains a navigation menu with 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, and List View Button Layout. The main content area is titled 'Fields & Relationships' and shows 8 items, sorted by Field Label. The table below lists the fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text Area(255)		
consumer Status	consumer_Status__c	Picklist		
consumer_name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone number	Phone_number__c	Phone		

Creating the field in Laptops Bookings object

The screenshot shows the Salesforce Object Manager interface for the 'Laptop Bookings' object. The left sidebar contains a navigation menu with 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, Scoping Rules, Object Access, and Triggers. The main content area is titled 'Fields & Relationships' and shows 11 items, sorted by Field Label. The table below lists the fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Currency(18, 0)		
core type	core__c	Picklist	Laptop names	
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
how many months	how_many_months__c	Picklist		
Laptop Bookings	Name	Text(80)		✓
Laptop names	Laptop_type__c	Picklist		
Laptops Available	Laptops_Available__c	Formula (Number)		
Last Modified By	LastModifiedById	Lookup(User)		
name	name__c	Master-Detail(consumer)		✓
Total_no_of_laptops	Total_no_of_laptops__c	Master-Detail(Total Laptops)		✓

Creation of Fields & Relationship for Billing Process Object

consumer | Salesforce | data analytics of laptop | Billing Process | Salesforce | Student - Skill Wallet | SI-7089-1730121359

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billing process

Setup Home Object Manager

SETUP > OBJECT MANAGER

Billing Process

Details

Fields & Relationships
7 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 (Number)		
Billing ProcessName	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Laptop Booking	Laptop_Booking__c	Lookup(Laptop Bookings)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Name	Name__c	Master-Detail(consumer)		✓
Payment Mode	Payment_Mode__c	Picklist		

22:14 28-10-2024

Creating the field in Total Laptops object

Total Laptops | Salesforce | data analytics of laptop | Billing Process | Salesforce | Student - Skill Wallet | SI-7089-1730121359

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total laptops

Setup Home Object Manager

SETUP > OBJECT MANAGER

Total Laptops

Details

Fields & Relationships
7 Items, Sorted by Field Label

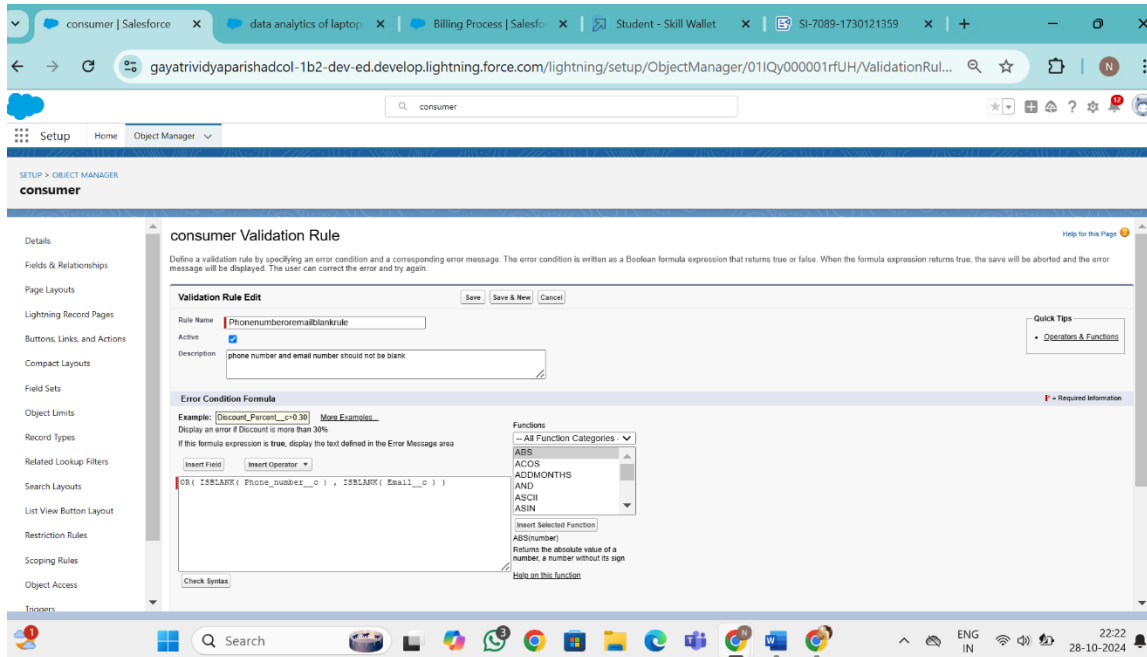
Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Laptops Available	Laptops_Available__c	Formula (Number)		
Laptops delivered	Laptops_delivered__c	Roll-Up Summary (COUNT Laptop Bookings)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Total Laptops	Name	Text(80)		✓
Total_no_of_laptops	Total_no_of_laptops__c	Number(18, 0)		

22:15 28-10-2024

Validation rule

Creating the validation rule for phone number field in consumer object



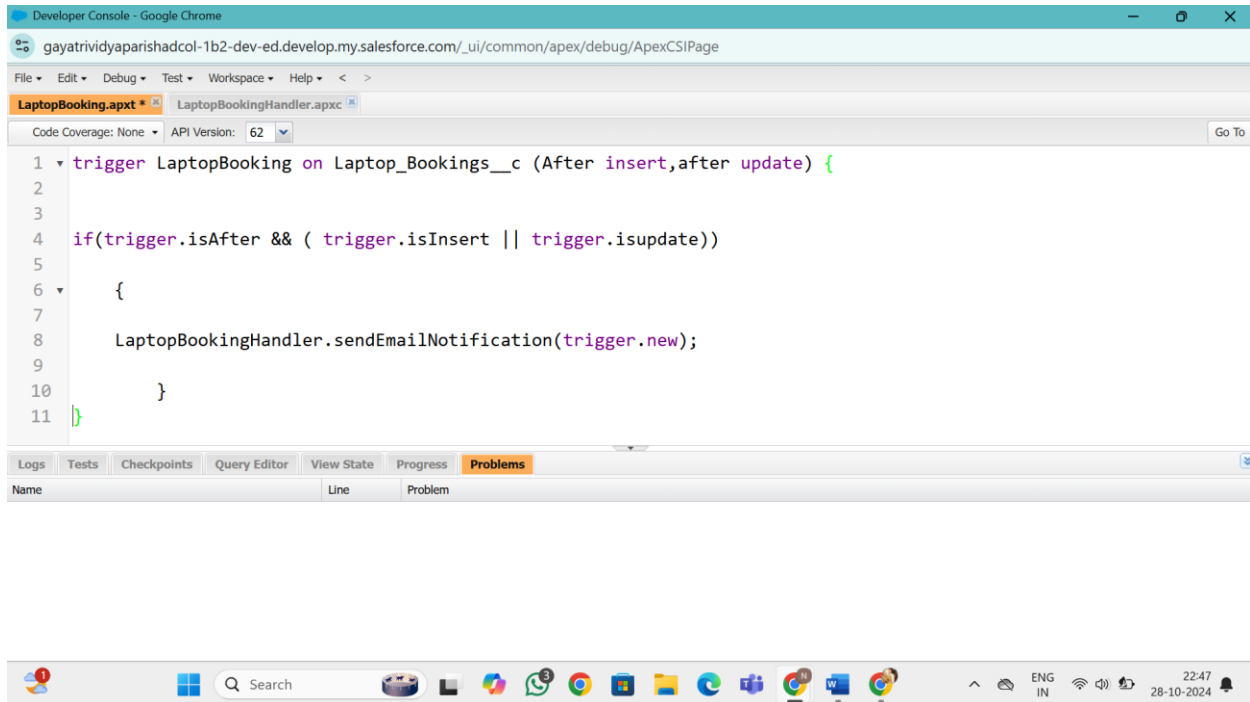
Flows

Final Flow Builder:



APEX

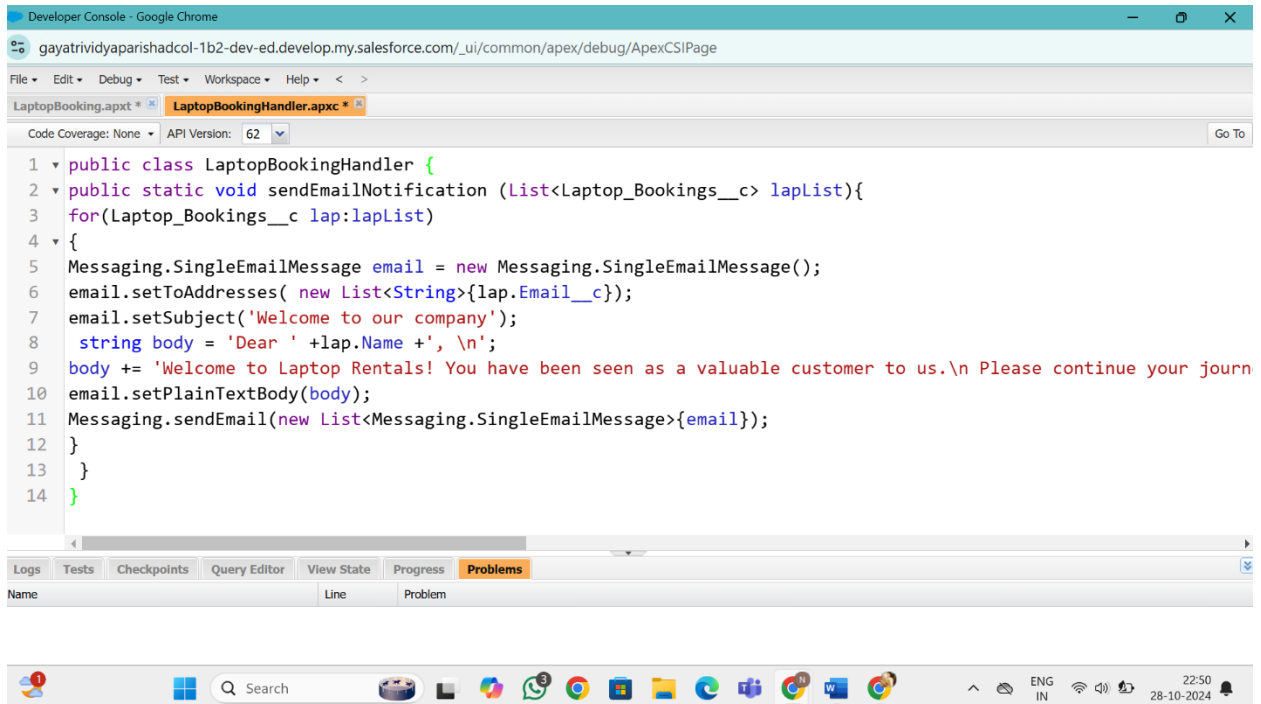
Trigger Code:



The screenshot shows the Salesforce Developer Console with the 'LaptopBooking.apxt' file open. The code is a trigger named 'LaptopBooking' on the 'Laptop_Bookings__c' object, triggered after insert and update operations. The trigger calls the 'sendEmailNotification' method of the 'LaptopBookingHandler' class. The console interface includes a menu bar (File, Edit, Debug, Test, Workspace, Help), a toolbar (Code Coverage, API Version: 62, Go To), and a bottom pane with tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Windows taskbar at the bottom shows the time as 22:47 on 28-10-2024.

```
1 trigger LaptopBooking on Laptop_Bookings__c (After insert,after update) {  
2  
3  
4 if(trigger.isAfter && ( trigger.isInsert || trigger.isupdate))  
5  
6 {  
7  
8 LaptopBookingHandler.sendEmailNotification(trigger.new);  
9  
10 }  
11 }
```

Trigger Class Code:



The screenshot shows the Salesforce Developer Console with the 'LaptopBookingHandler.apxc' file open. The code is a public class named 'LaptopBookingHandler' with a static method 'sendEmailNotification' that takes a list of 'Laptop_Bookings__c' objects as input. The method iterates through the list, creates a 'Messaging.SingleEmailMessage' object, sets the 'To' address to the email of the record, sets the subject to 'Welcome to our company', and sets the body to a personalized welcome message. The email is then sent using 'Messaging.sendEmail'. The console interface is similar to the previous screenshot, but the bottom pane shows the 'Problems' tab. The Windows taskbar at the bottom shows the time as 22:50 on 28-10-2024.

```
1 public class LaptopBookingHandler {  
2 public static void sendEmailNotification (List<Laptop_Bookings__c> lapList){  
3 for(Laptop_Bookings__c lap:lapList)  
4 {  
5 Messaging.SingleEmailMessage email = new Messaging.SingleEmailMessage();  
6 email.setToAddresses( new List<String>{lap.Email__c});  
7 email.setSubject('Welcome to our company');  
8 string body = 'Dear ' +lap.Name +', \n';  
9 body += 'Welcome to Laptop Rentals! You have been seen as a valuable customer to us.\n Please continue your journ  
10 email.setPlainTextBody(body);  
11 Messaging.sendEmail(new List<Messaging.SingleEmailMessage>{email});  
12 }  
13 }  
14 }
```

Dashboard Output:

