Micro LWC Component how to create email survey form.

After Signing up for a developer edition org, start with milestone 1 that is creating an Apex class to handle the logic for sending emails. This class will be used by the LWC to trigger the email sending process.

What you'll learn

1.Building LWC component
2. Survey and Feedback tracking.

Milestone 1: Build Survey Form Lightning App

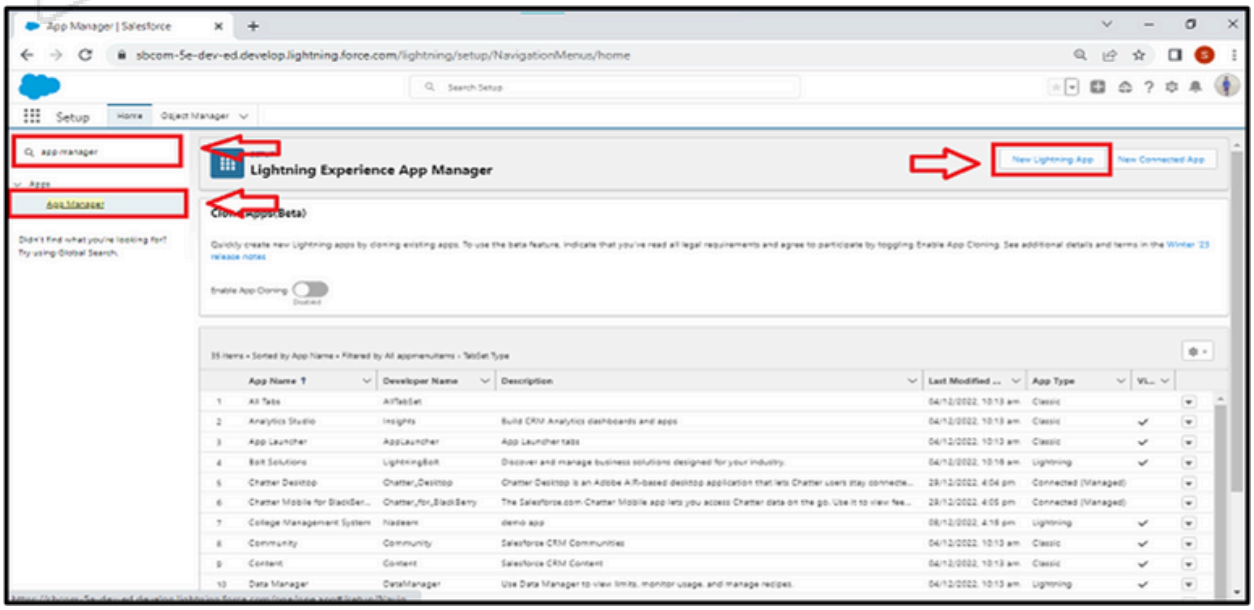
The app is built in Lightning Experience , depending on your organization's preferences and requirements. Below is a brief overview of how you might design such an app :

- DesignaLightningAppusingtheLightningAppBuilder.
- Includetabsforthe requiredCustomObjects.
- Customizetheapp'scolorschemeandlogotogiveitabrandedlook.

Activity -1

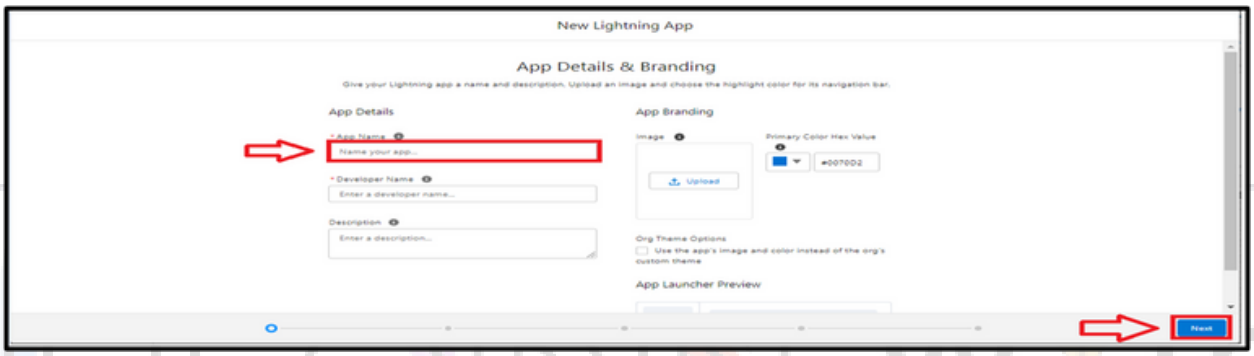
Create the Lightning App

1.Go to the Gear Icon → Click on setup → click on the Home Button → Go to the quick find box and select the App Manager



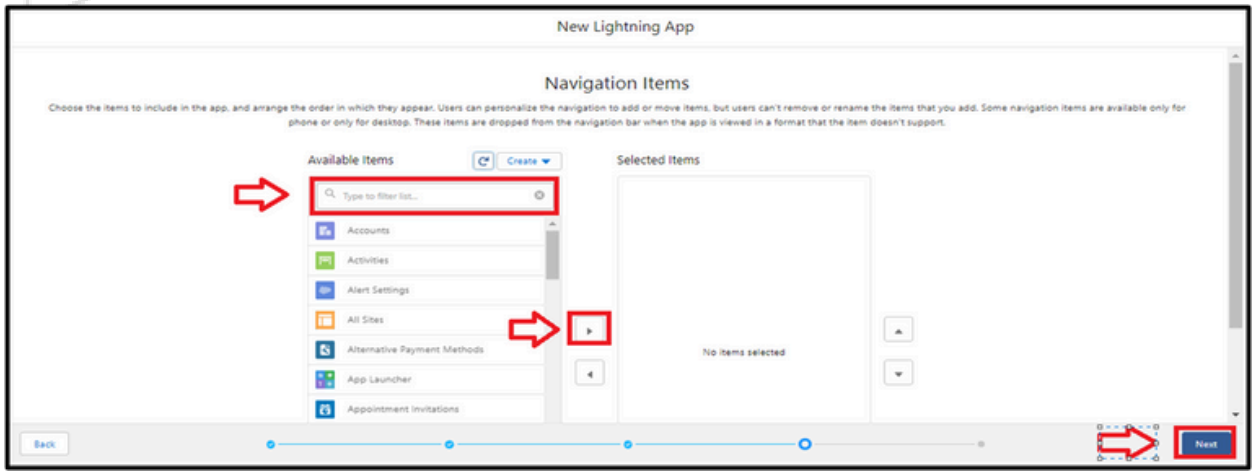
2.Fill the app name as an in app details and branding →Next → (App option page) keep it as default → Next

3. Utility Items keep it as default → Next → (Add Navigation Items)(add custom tabs if needed) → Next → (Add User Profile) Add System Administrator, Salesforce platform user, Standard User → Next.



4. To Add Navigation Items:
Select the items from the search bar and move it using the arrow button → Next.
select all the tabs which you have created

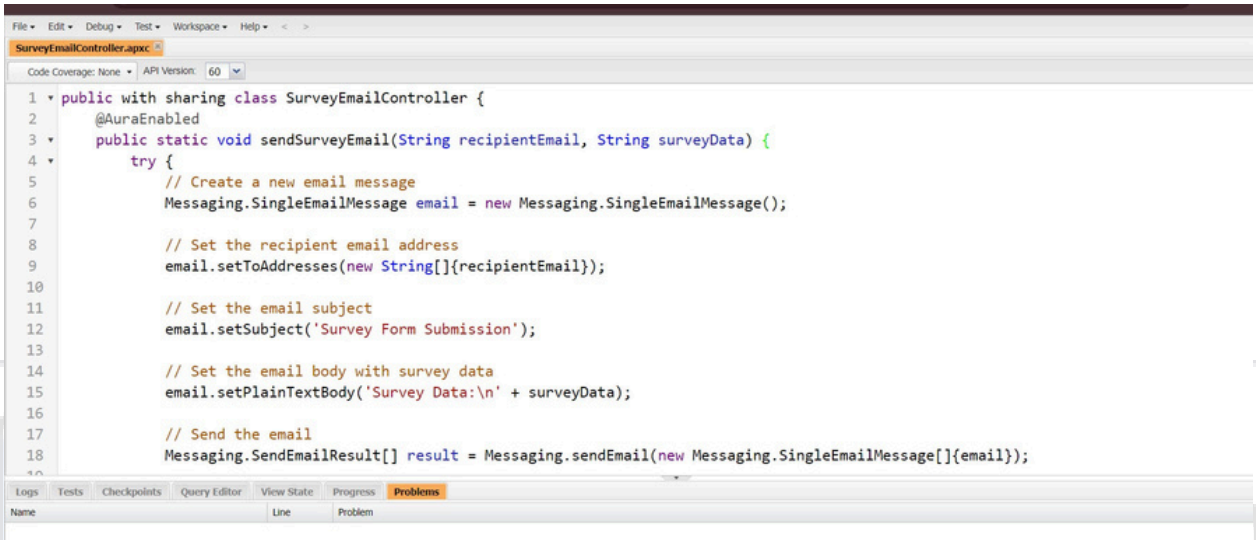
5. To Add User Profiles:
Search profiles in search bar → click on the arrow button & select Standard user, standard Platform user & System Admin Profile→ save & finish.



Milestone 2: SurveyEmailController Class

Activity- 1

Defining the logic for automating actions based on Apex class to handle the email notifications on the survey. It includes methods for sending notifications for these stages.



Apex Class :

```
public with sharing class SurveyEmailController {

 @AuraEnabled

public static void sendSurveyEmail(String recipientEmail, String surveyData) {

    try{

        // Create a new email message

        Messaging.SingleEmailMessage email = new Messaging.SingleEmailMessage();


        // Set the recipient email address

        email.setToAddresses(new String[]{recipientEmail});


        // Set the email subject
```

```
            email.setSubject('Survey Form Submission');

            // Set the email body with survey data
            email.setPlainTextBody('Survey Data:\n' + surveyData);

            // Send the email
            Messaging.SendEmailResult[] result = Messaging.sendEmail(new
Messaging.SingleEmailMessage[]{email});

            // Check the result of the email sending operation
            if (result[0].success) {
                System.debug('Email sent successfully');
            } else {
                System.debug('Error sending email: ' + result[0].errors[0].message);
                throw new AuraHandledException('Error sending email: ' +
result[0].errors[0].message);
            }
        } catch (Exception e) {
            // Handle exceptions and provide appropriate error handling
            System.debug('Error sending email: ' + e.getMessage());
            throw new AuraHandledException('Error sending email: ' + e.getMessage());
        }
```

```
    }

}
```

Milestone 3 : SurveyForm LWC component

Activity- 1

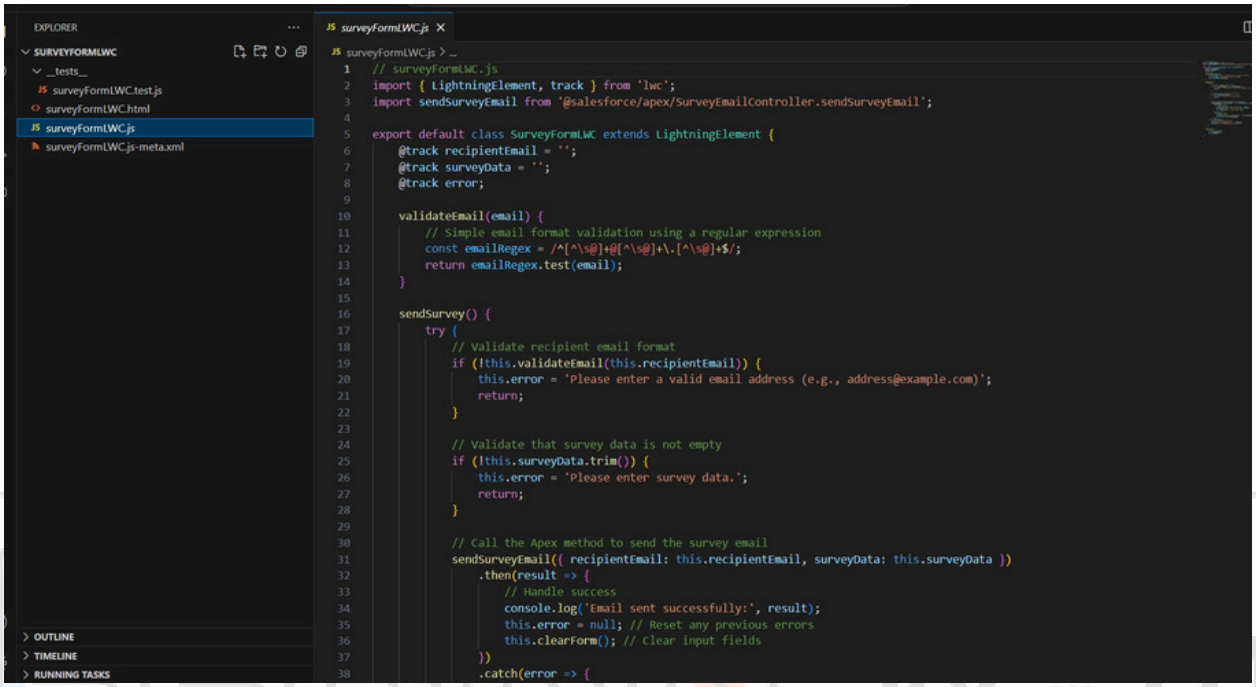
Open a Workspace:
Open Visual Studio Code and create a new workspace or open an existing one. A workspace is a directory that contains your Salesforce projects.

Create a New Salesforce Project:
Open the Command Palette (Ctrl + Shift + P) and run the command "SFDX: Create Project".
Choose the project type.
For LWC development, choose "Standard" for most cases.

Authorize an Org:
Open the Command Palette and run the command "SFDX: Authorize an Org".
Log in to your Salesforce org.

Create a New Lightning Web Component:
Open the Command Palette and run the command "SFDX: Create Lightning Web Component".
Enter a name for your component (Login) and choose the directory to save it.

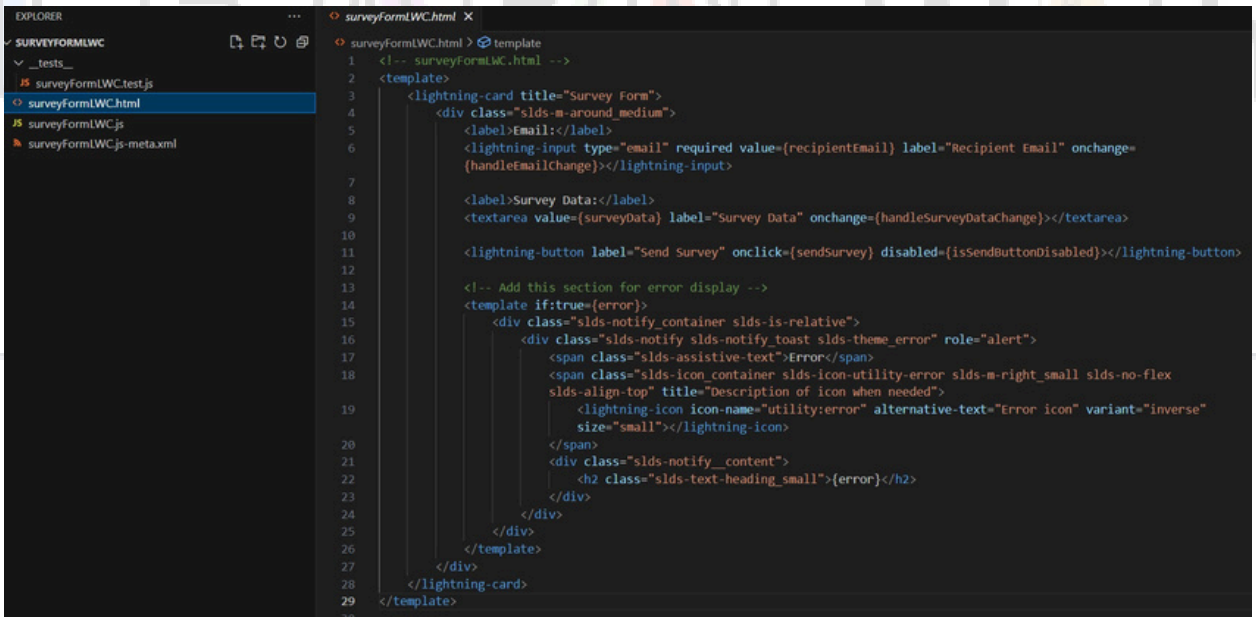
Edit Your Lightning Web Component:
Open the newly created component in the force-app/main/default/lwc directory.
Edit the HTML, JavaScript, and CSS files as needed.



SurveyFormLWC (JavaScript) code:

```
//surveyFormLWC.js
import{LightningElement,track}from'lwc';
importsendSurveyEmailfrom
'@salesforce/apex/SurveyEmailController.sendSurveyEmail';

export default class SurveyFormLWC extends LightningElement {
   @trackrecipientEmail='';
   @tracksurveyData='';
recepientHandle(event){
      if(event.target.label=='RecipientEmail'){
         this.recipientEmail=event.target.value;
      }elseif(event.target.label=='SurveyData'){
         this.surveyData=event.target.value;
      }
   }
   sendSurvey(){
      //Validateinputdataifneeded
         console.log('email'+this.recipientEmail);
         console.log('survey'+this.surveyData);
      //CalltheApexmethodtosendthesurveyemail
```

```
        sendSurveyEmail({ recipientEmail: this.recipientEmail, surveyData:
    this.surveyData })
            .then(result => {
                // Handle success
                console.log('Email sent successfully:', result);
            })
            .catch(error => {
                // Handle errors
                console.error('Error sending email:', error);
            });
    }
}
```



SurveyFormLWC(html) code:

```
<!-- surveyFormLWC.html -->

<template>

    <lightning-card title="Survey Form">

        <div class="slds-m-around_medium">

            <!-- Your survey form HTML goes here -->
```

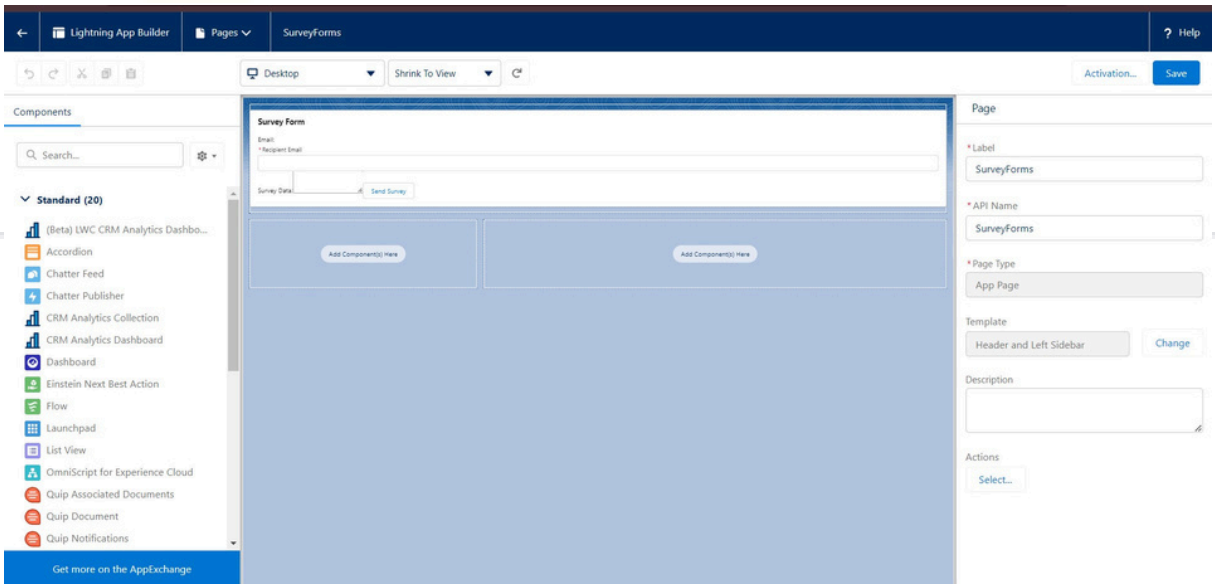
```
        <!-- Include fields for survey questions and input elements -->

        <!-- Example: -->

        <label>Email:</label>

        <lightning-input type="email" value={recipientEmail} onchange={recepientHandle}
label="Recipient Email"></lightning-input>



                        <lightning-textarea name="input2" label="Survey Data" value="initial
value" onchange={recepientHandle}></lightning-textarea>

        <lightning-button label="Send Survey" onclick={sendSurvey}></lightning-button>

      </div>

   </lightning-card>

</template>

</lightning-card>

</template>
```

SurveyFormLWC(Xml) code:

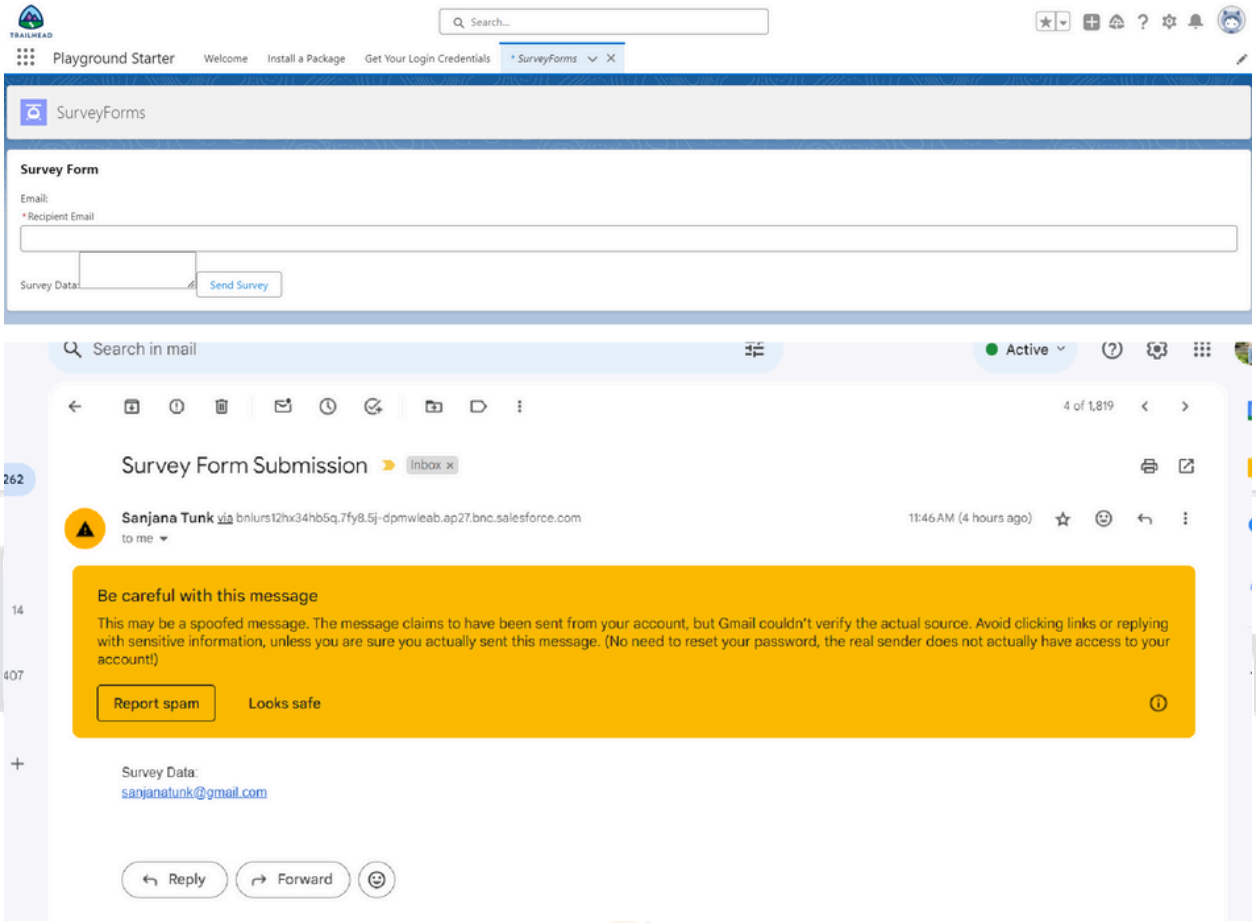
```
<?xml version="1.0" encoding="UTF-8"?>

 <LightningComponentBundle xmlns="http://soap.sforce.com/2006/04/metadata">
    <apiVersion>58.0</apiVersion>
    <isExposed>true</isExposed>
    <targets>
       <target>lightning__AppPage</target>
       <target>lightning__RecordPage</target>
       <target>lightning__HomePage</target>
    </targets>
 </LightningComponentBundle>
```

Deploy the source code.

Drag the custom component on the App page



Save and activate.



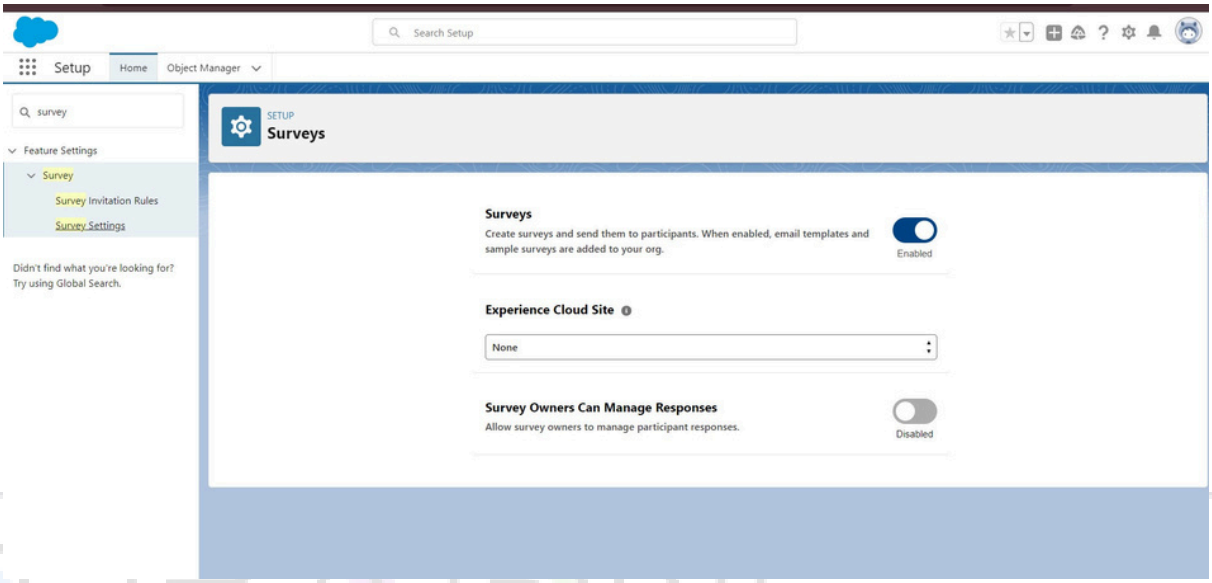
Milestone 4 : SurveyFormLink

Activity -1

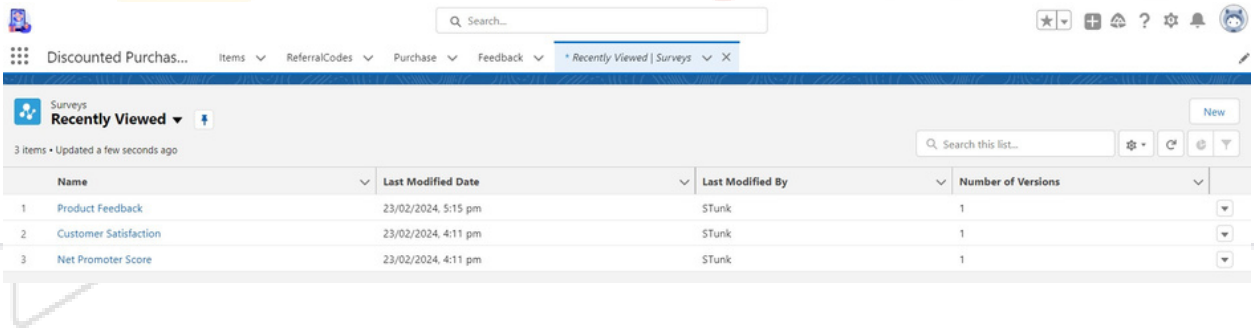
Create a Form for Survey

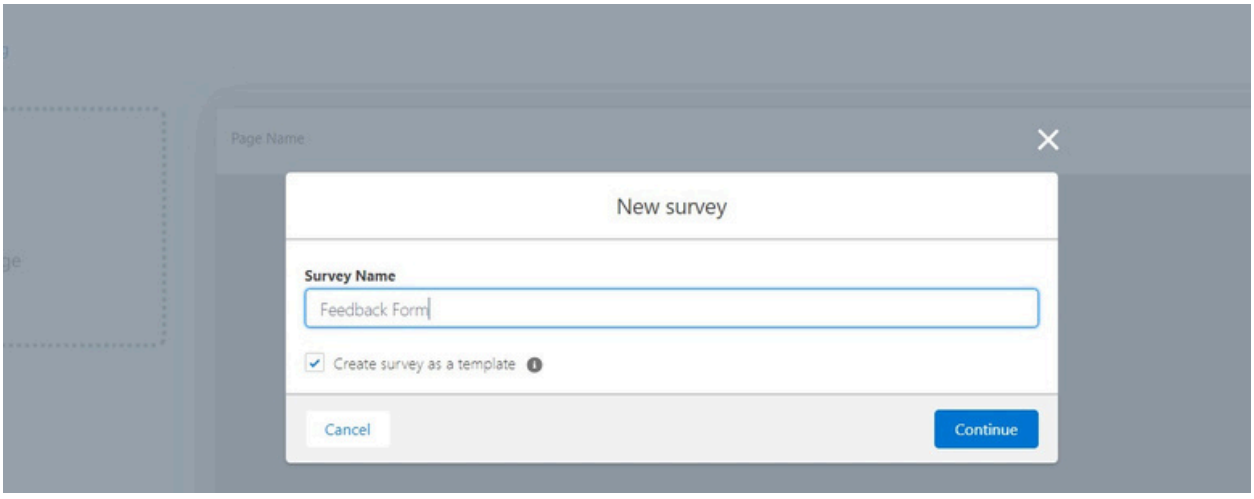
To create a custom object, follow these steps :

1. Click on the Gear Icon → From setup.
2. Click quick find, Survey settings.

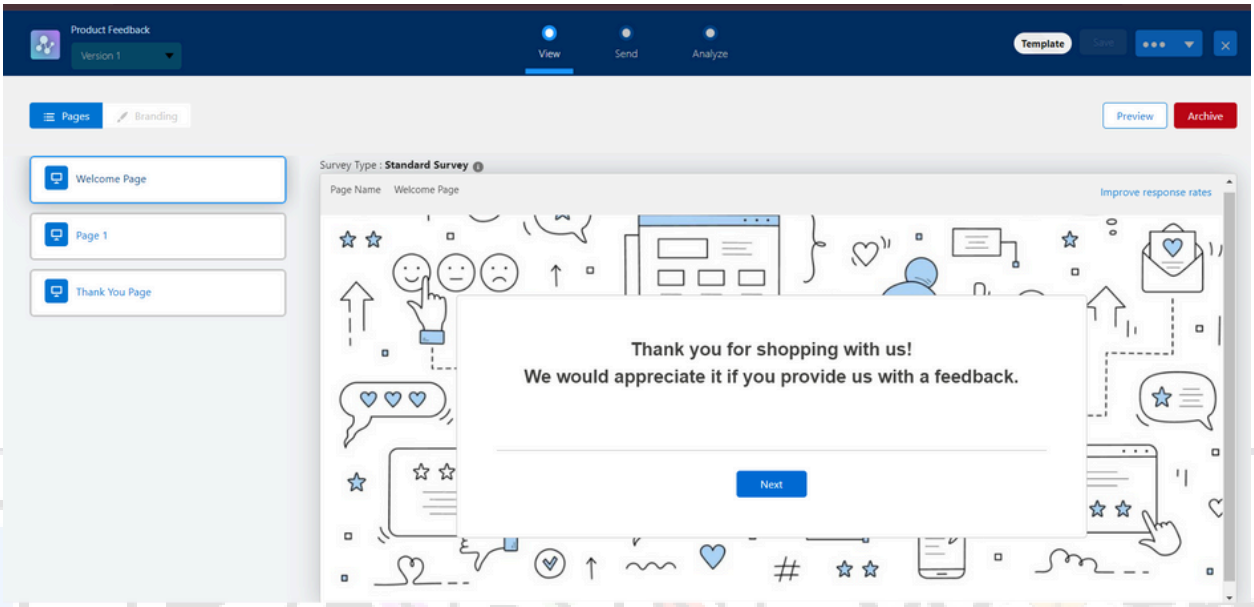


3. Click the App Launcher.
4. Search for "Survey".
5. Click on New to create one.

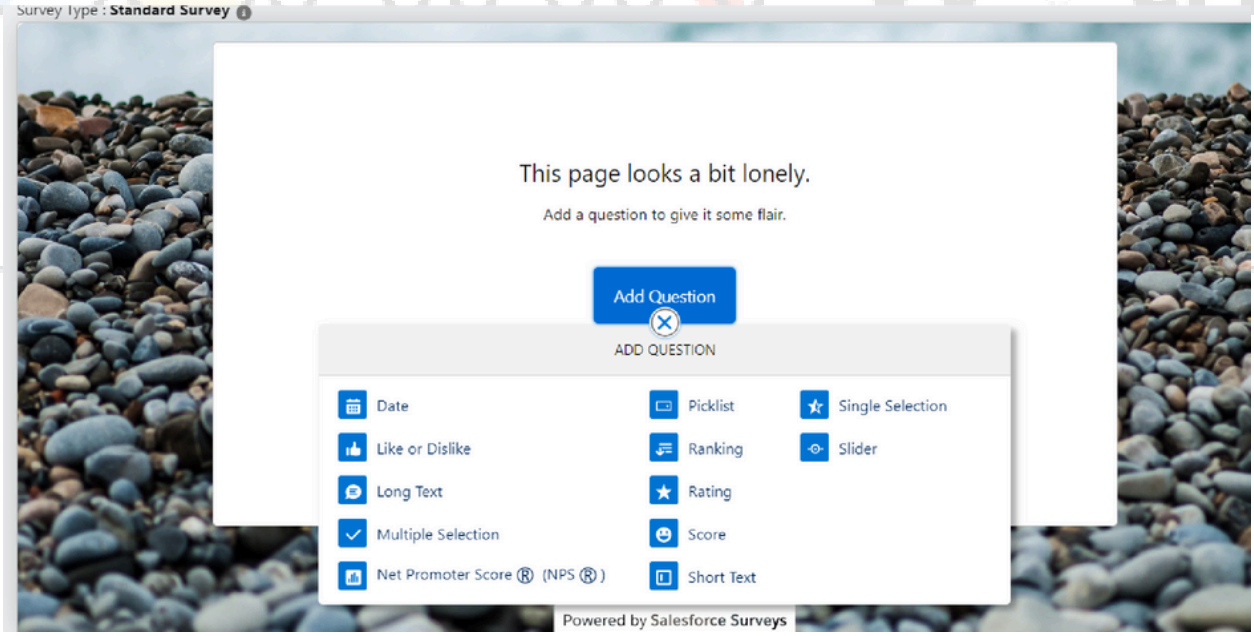




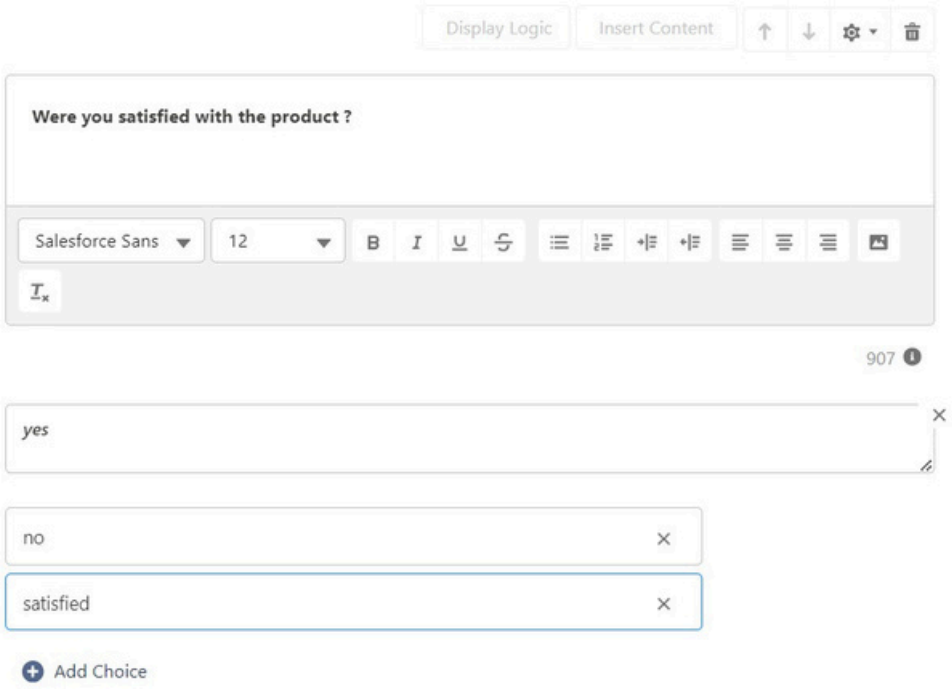
6. Fill the Survey Name as "Feedback Form".
7. Click on Create survey as a Template, then continue.



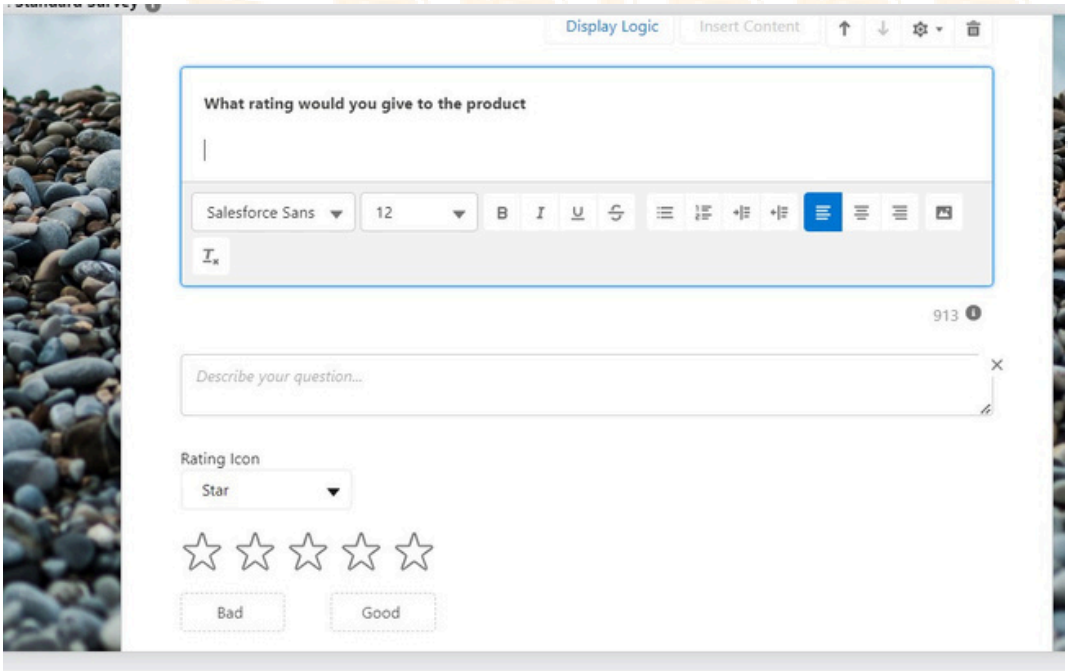
8. Click on Add Page, Then click on add question.



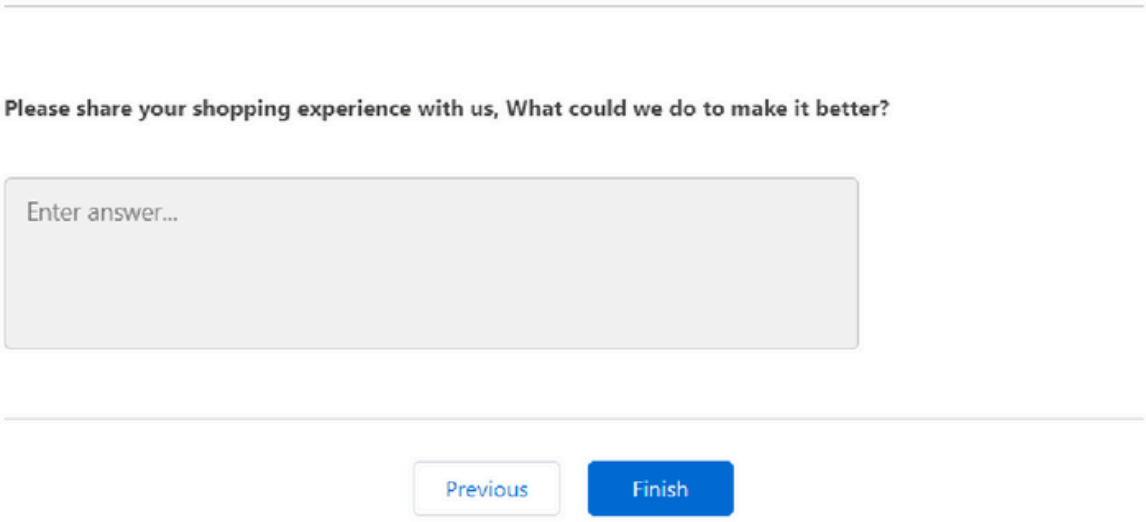
9. Choose multiple selection then enter your desired question



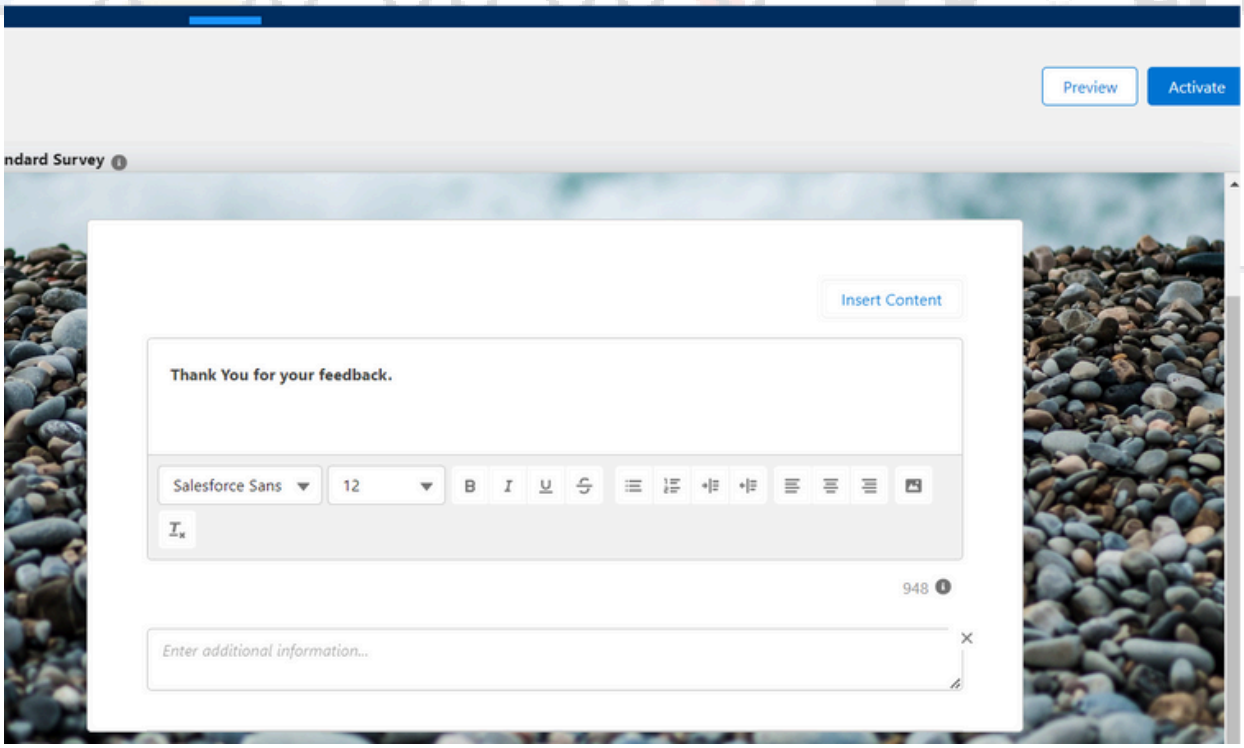
10. Click Add question, Select Rating, define the question



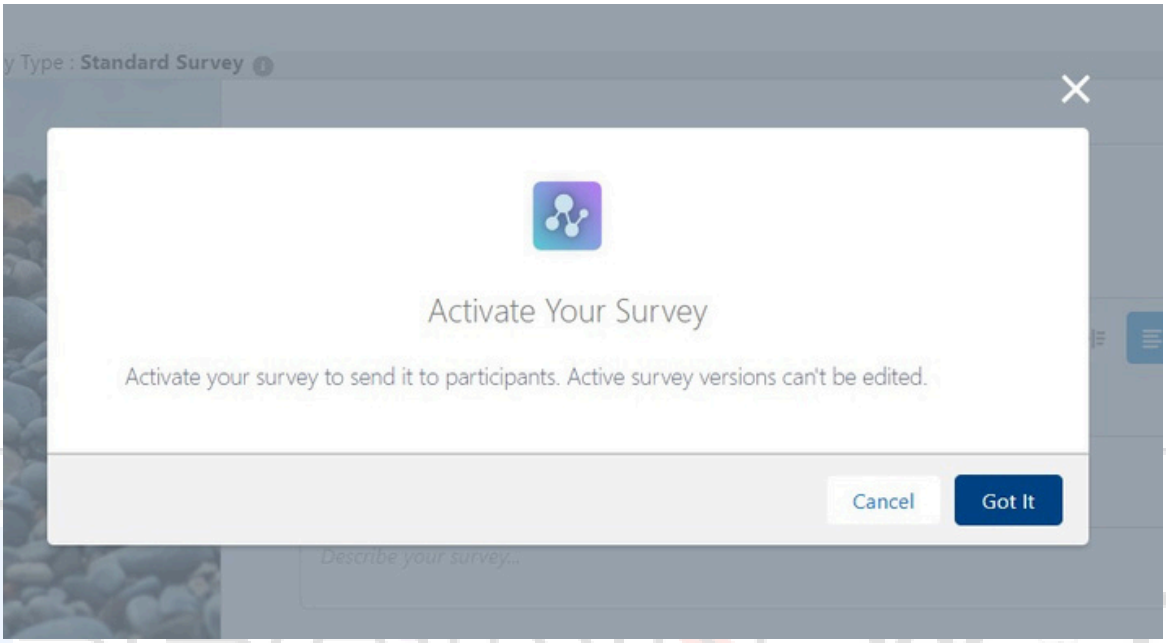
11. Click Add question, Select Long Text, define the question.



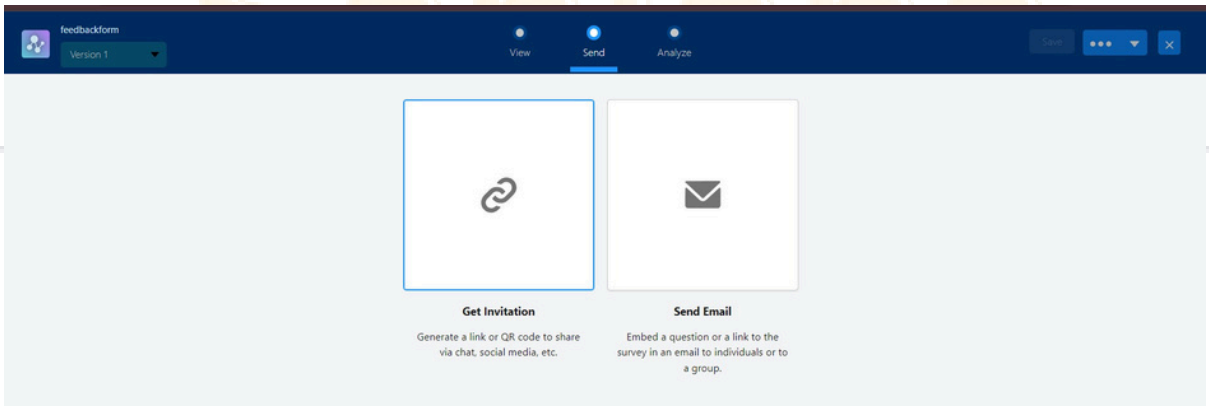
12. Click on Add Page, Thenadd a thankyou message.

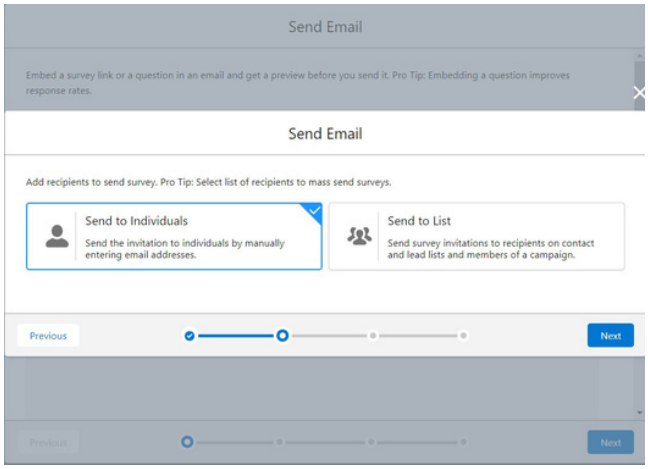


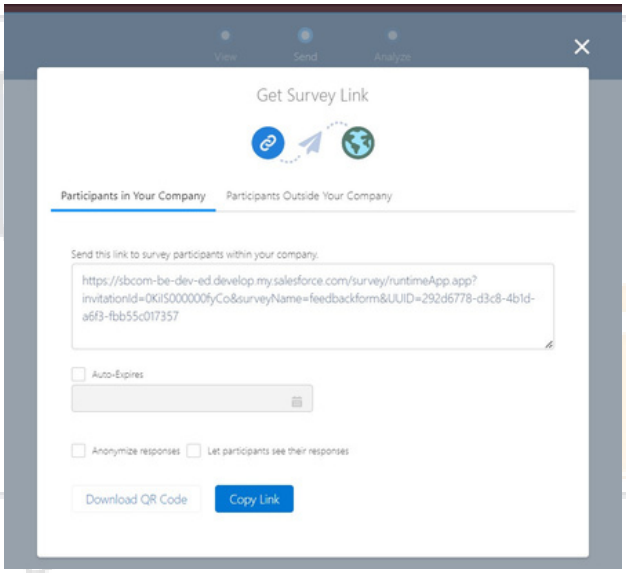
13. Activate the survey.

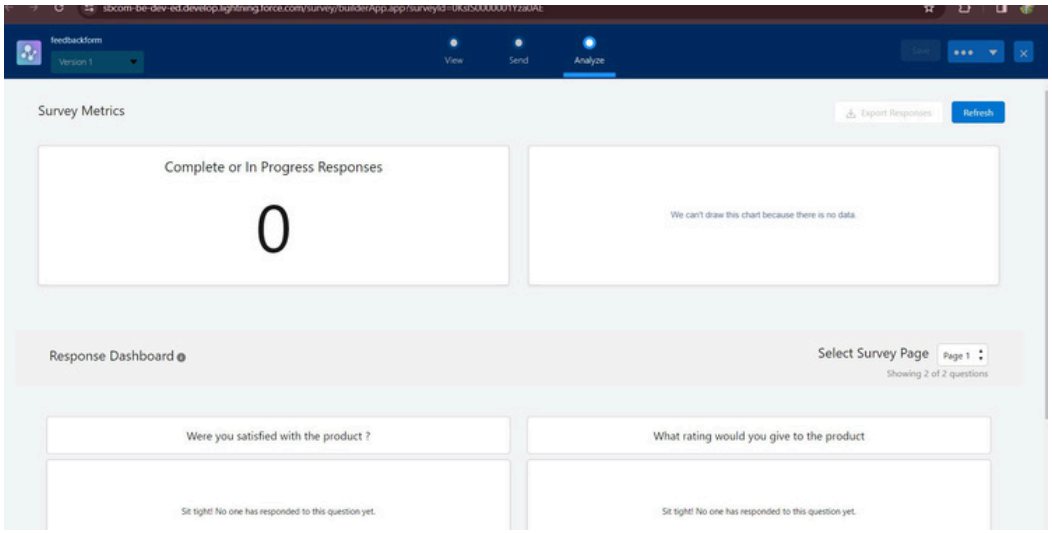


14. Click Send, You can either copy the link or send it through mail. And then click on Analyze to check the response received.




Send Email
Embed a survey link or a question in an email and get a preview before you send it. Pro Tip: Embedding a question improves response rates.
Send Email
Add recipients to send survey. Pro Tip: Select list of recipients to mass send surveys.
Send to Individuals
Send the invitation to individuals by manually entering email addresses.
Send to List
Send survey invitations to recipients on contact and lead lists and members of a campaign.
Previous
Next


View
Send
Analyze
Get Survey Link
Participants in Your Company
Participants Outside Your Company
Send this link to survey participants within your company.
https://sbcom-be-dev-ed.develop.my.salesforce.com/survey/runtimeApp.app?invitationId=0KIS000000fyCo&surveyName=feedbackform&UUID=292d6778-d3c8-4b1d-a6f3-fbb55c017357
Auto-Expires
Anonymize responses
Let participants see their responses
Download QR Code
Copy Link


feedbackform
Version 1
View
Send
Analyze
Survey Metrics
Export Responses
Refresh
Complete or In Progress Responses
0
We can't draw this chart because there is no data.
Response Dashboard
Select Survey Page
Page 1
Showing 2 of 2 questions
Were you satisfied with the product ?
What rating would you give to the product
Sit tight! No one has responded to this question yet.
Sit tight! No one has responded to this question yet.