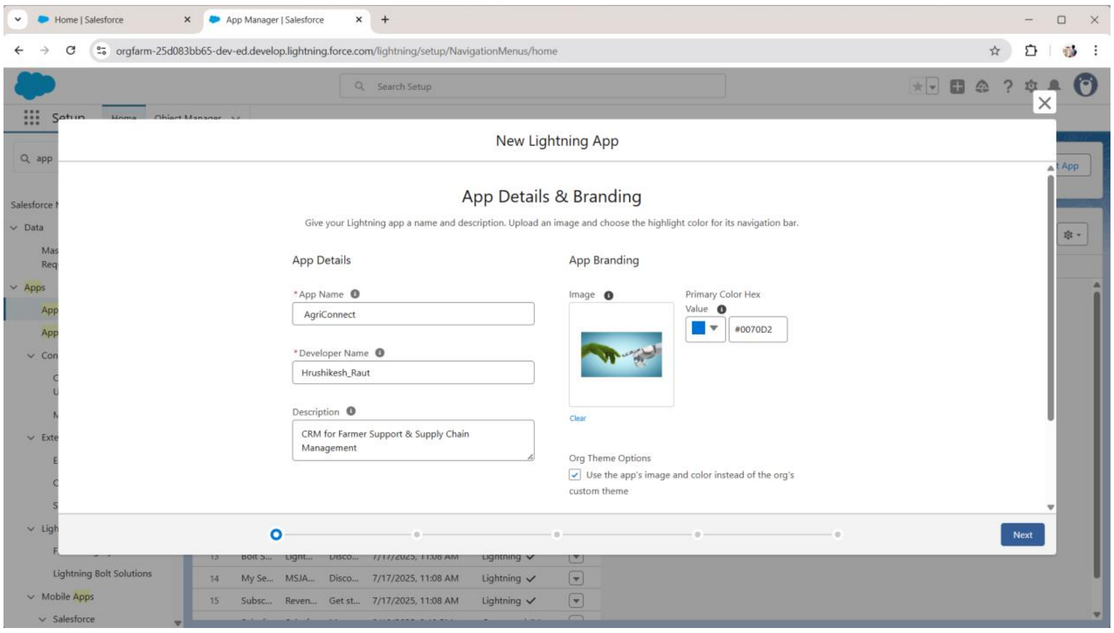
Phase 6 User Interface Development

❖ Lightning App Builder

- This was the primary tool used for all declarative UI design. Used the Lightning App Builder's drag-and-drop canvas to create and modify the custom pages.



orgfarm-25d083bb65-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home

New Lightning App

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

*App Name: AgriConnect

*Developer Name: Hrushikesh_Raut

Description: CRM for Farmer Support & Supply Chain Management

App Branding

Primary Color Hex Value: #0070D2

Org Theme Options

✓ Use the app's image and color instead of the org's custom theme

❖ Record Pages

Various Record pages can be created :

Steps:

(Same Steps can be applied to all pages)

1. Lightning App Builder → New → **Record Page** → Object = (select your object) eg : **Crop__c** → name eg: Crop Record Page.
2. Template: Choose any Template (Ex : **One Region with Right Sidebar** (or Two Columns).
3. Add Components as per requirement into Canvas (Drag & Drop)
4. Example:

   Top: **Highlights Panel** (compact layout show Crop Name, Quantity, Price).

   Main: **Record Details** (all fields: Variety, Harvest Date, Quantity, Price).

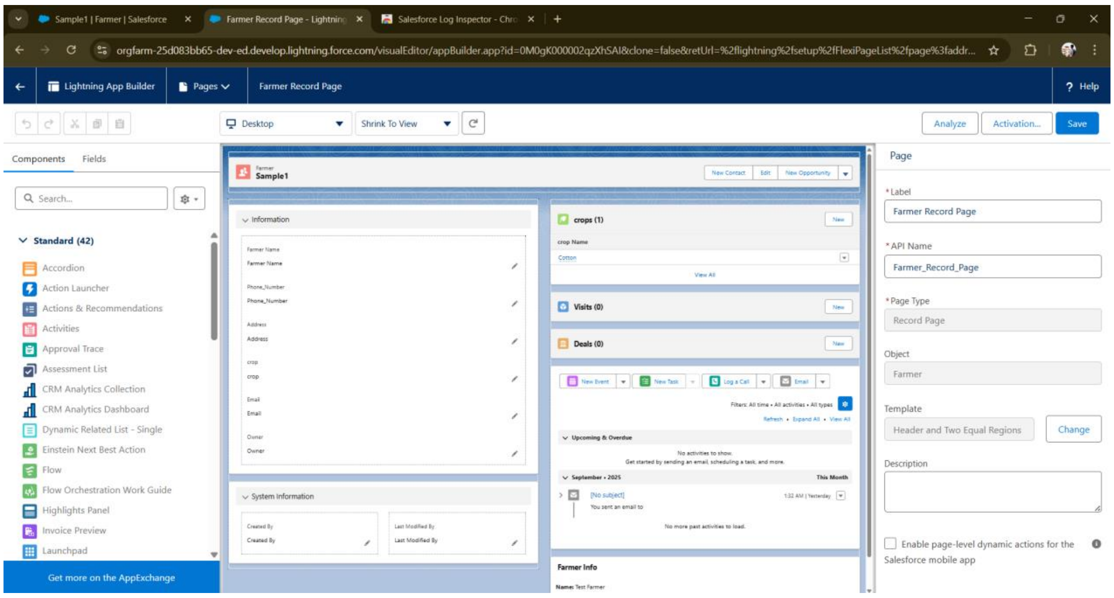
   Right sidebar:

   Related List — Single: select **Deals** (show which deals reference this crop)

   Report Chart: show a small chart (e.g., Crop sales trend or low-stock chart).

5. Save → Activate → assign app & profiles (eg : AgriConnect app & profiles.)

Farmer Record Page



orgfarm-25d083bb65-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=0M0gK000002qzXhSAI&clone=false&retUrl=%2flightning%2fsetup%2fFlexiPageList%2fpage%3faddr...

Farmer
Sample1

Farmer Name: Farmer Name
Phone_Number: Phone_Number
Address: Address
crop: crop
Email: Email
Owner: Owner

Created By: Created By
Last Modified By: Last Modified By

crop Name
Cotton

Filters: All time • All activities • All types

No activities to show.
Get started by sending an email, scheduling a task, and more.

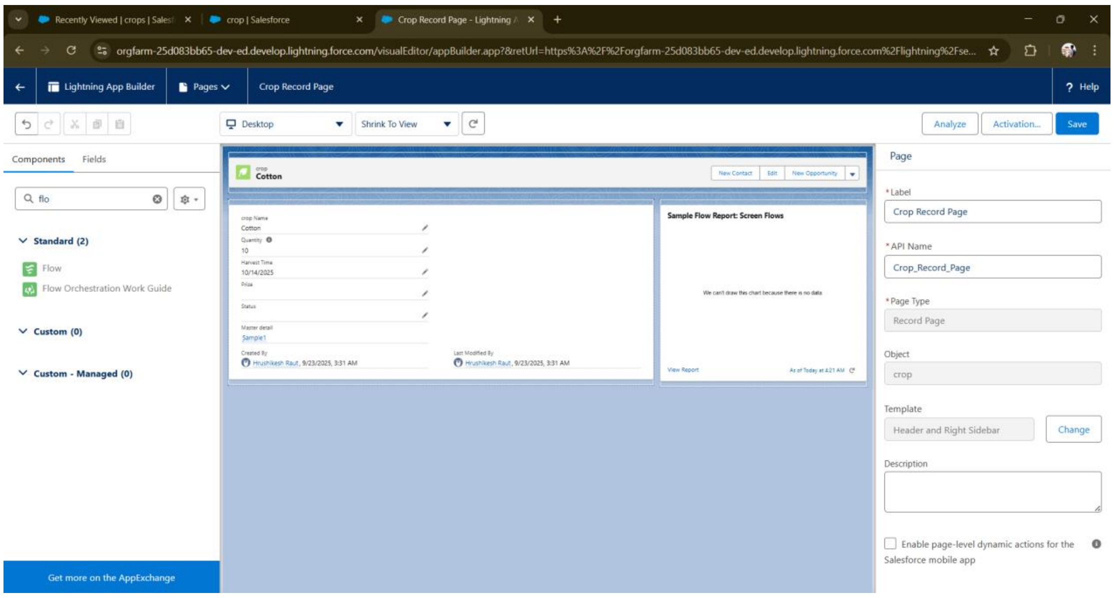
September • 2025 — This Month
[No subject] 1:32 AM | Yesterday
You sent an email to

No more past activities to load.

Name: Test Farmer

*Label: Farmer Record Page
*API Name: Farmer_Record_Page
*Page Type: Record Page
Object: Farmer
Template: Header and Two Equal Regions
Description:
☐ Enable page-level dynamic actions for the Salesforce mobile app

Crop Record Page


orgfarm-25d083bb65-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?&retUrl=https%3A%2F%2Forgfarm-25d083bb65-dev-ed.develop.lightning.force.com%2Flightning%2Fse...

Lightning App Builder | Pages | Crop Record Page

Desktop | Shrink To View

Components | Fields

flo

Standard (2)
- Flow
- Flow Orchestration Work Guide

Custom (0)

Custom - Managed (0)

Get more on the AppExchange

crop
Cotton

crop Name: Cotton
Quantity: 10
Harvest Time: 10/14/2025
Prize:
Status:
Master detail: Sample1
Created By: Hrushikesh Raut, 9/23/2025, 3:31 AM
Last Modified By: Hrushikesh Raut, 9/23/2025, 3:31 AM

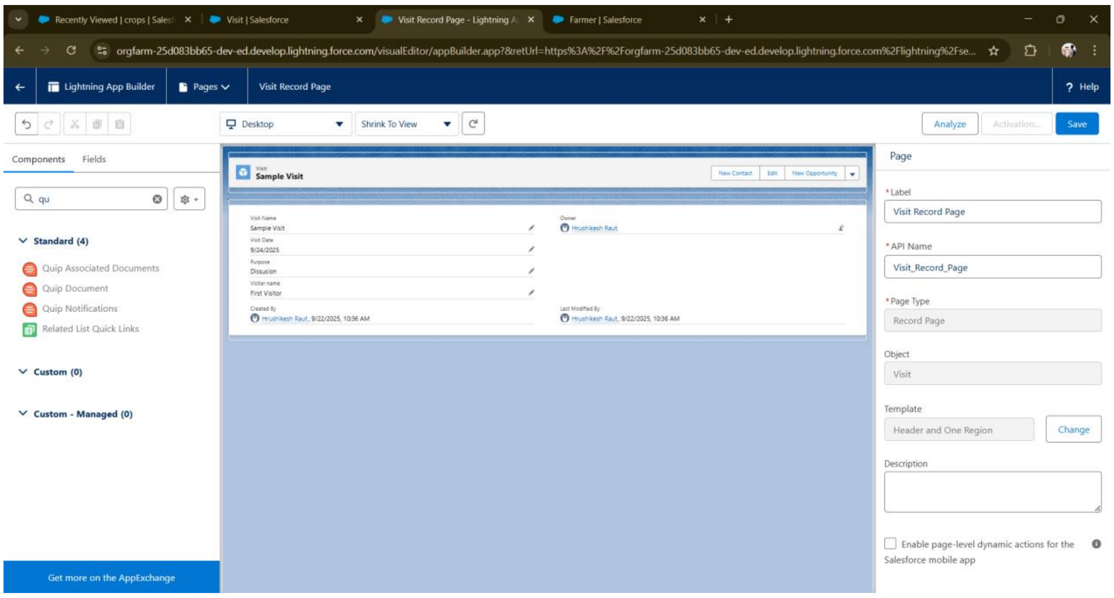
Sample Flow Report: Screen Flows

We can't draw this chart because there is no data.

View Report — As of Today at 4:21 AM

Page
- *Label: Crop Record Page
- *API Name: Crop_Record_Page
- *Page Type: Record Page
- Object: crop
- Template: Header and Right Sidebar
- Description:
- Enable page-level dynamic actions for the Salesforce mobile app

Record Page


orgfarm-25d083bb65-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?&retUrl=https%3A%2F%2Forgfarm-25d083bb65-dev-ed.develop.lightning.force.com%2Flightning%2Fse...

Lightning App Builder | Pages | Visit Record Page

Desktop | Shrink To View

Components | Fields

qu

Standard (4)
- Quip Associated Documents
- Quip Document
- Quip Notifications
- Related List Quick Links

Custom (0)

Custom - Managed (0)

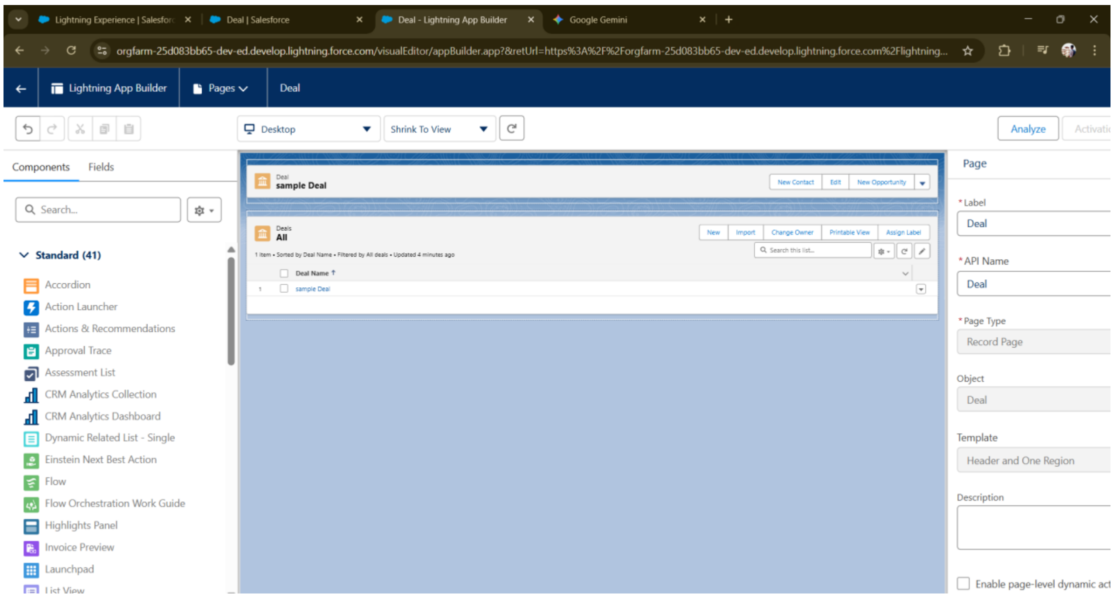
Get more on the AppExchange

Visit
Sample Visit

Visit Name: Sample Visit
Visit Date: 9/24/2025
Purpose: Dissusion
Visiter name: First Visitor
Owner: Hrushikesh Raut
Created By: Hrushikesh Raut, 9/22/2025, 10:36 AM
Last Modified By: Hrushikesh Raut, 9/22/2025, 10:36 AM

Page
- *Label: Visit Record Page
- *API Name: Visit_Record_Page
- *Page Type: Record Page
- Object: Visit
- Template: Header and One Region
- Description:
- Enable page-level dynamic actions for the Salesforce mobile app

Deal Record Page



Page

* Label: Deal

* API Name: Deal

* Page Type: Record Page

Object: Deal

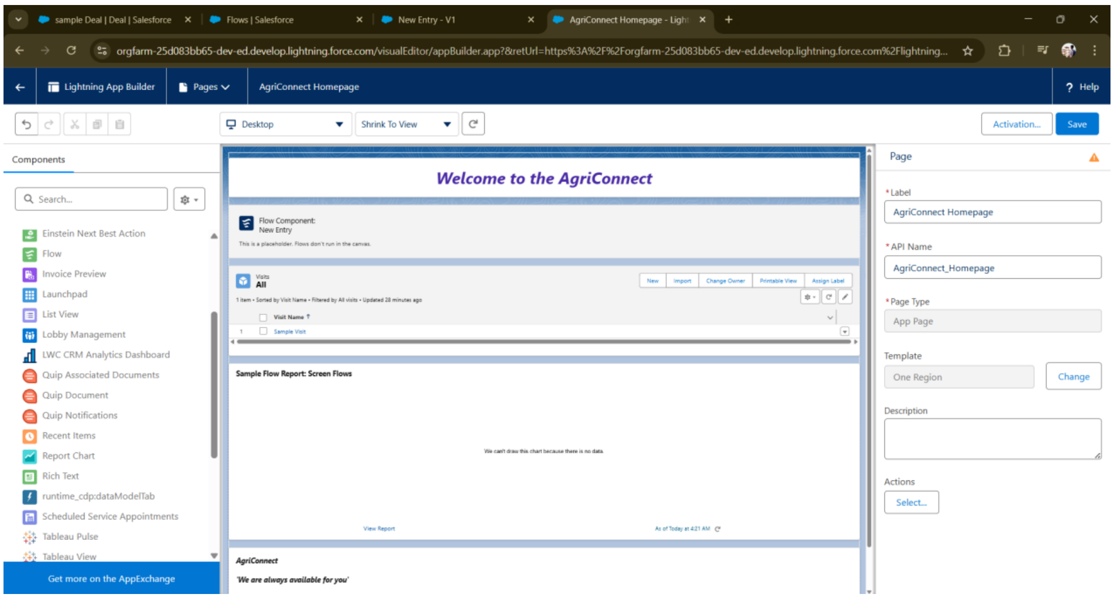
Template: Header and One Region

Description:

Enable page-level dynamic act

AgriConnect HomePage

(This page is a app page not a record page)



sample Deal | Deal | Salesforce
Flows | Salesforce
New Entry - V1
AgriConnect Homepage - Light
orgfarm-25d083bb65-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?&retUrl=https%3A%2F%2Forgfarm-25d083bb65-dev-ed.develop.lightning.force.com%2Flightning...
Lightning App Builder
Pages
AgriConnect Homepage
Help
Desktop
Shrink To View
Activation...
Save
Components
Search...
Einstein Next Best Action
Flow
Invoice Preview
Launchpad
List View
Lobby Management
LWC CRM Analytics Dashboard
Quip Associated Documents
Quip Document
Quip Notifications
Recent Items
Report Chart
Rich Text
runtime_cdp:dataModelTab
Scheduled Service Appointments
Tableau Pulse
Tableau View
Get more on the AppExchange
Welcome to the AgriConnect
Flow Component:
New Entry
This is a placeholder. Flows don't run in the canvas.
Visits
All
New
Import
Change Owner
Printable View
Assign Label
1 item • Sorted by Visit Name • Filtered by All visits • Updated 28 minutes ago
Visit Name
Sample Visit
Sample Flow Report: Screen Flows
We can't draw this chart because there is no data.
View Report
As of Today at 4:21 AM
AgriConnect
'We are always available for you'

Page

* Label: AgriConnect Homepage

* API Name: AgriConnect_Homepage

* Page Type: App Page

Template: One Region — Change

Description:

Actions: Select...

❖ Lightning Web Component (LWC)

(Use LWC when you need custom UI/UX. Below are small, clear examples you can use in AgriConnect)

Step 1: Install & Open

Install the **Lightning Studio Chrome extension**.

Log in to your Salesforce Org in Chrome.

Open the Lightning Studio extension (you'll see an editor pop up in the org).

□ **Step 2: Create a New Component**

Click **+ New** → **Lightning Web Component**.

Give your component a name, e.g., farmerCard.

Select where to save → usually under lwc/farmer Card.

The extension will auto-create **3 files**:

farmerCard.html (markup/template)

farmerCard.js (JavaScript logic)

farmerCard.js-meta.xml (exposure config)

□ **Step 3 : Write Necessary Code**

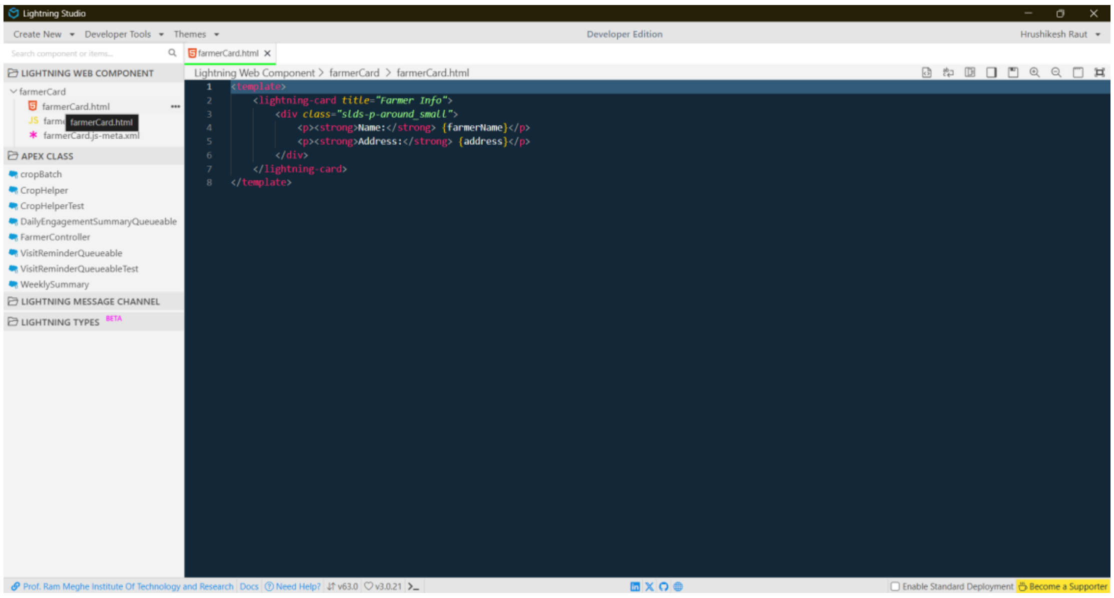
□ **Step 4: Save & Deploy**

In Lightning Studio, click **Save** → it auto-deploys to your Salesforce org.

If successful, you'll see a confirmation message.

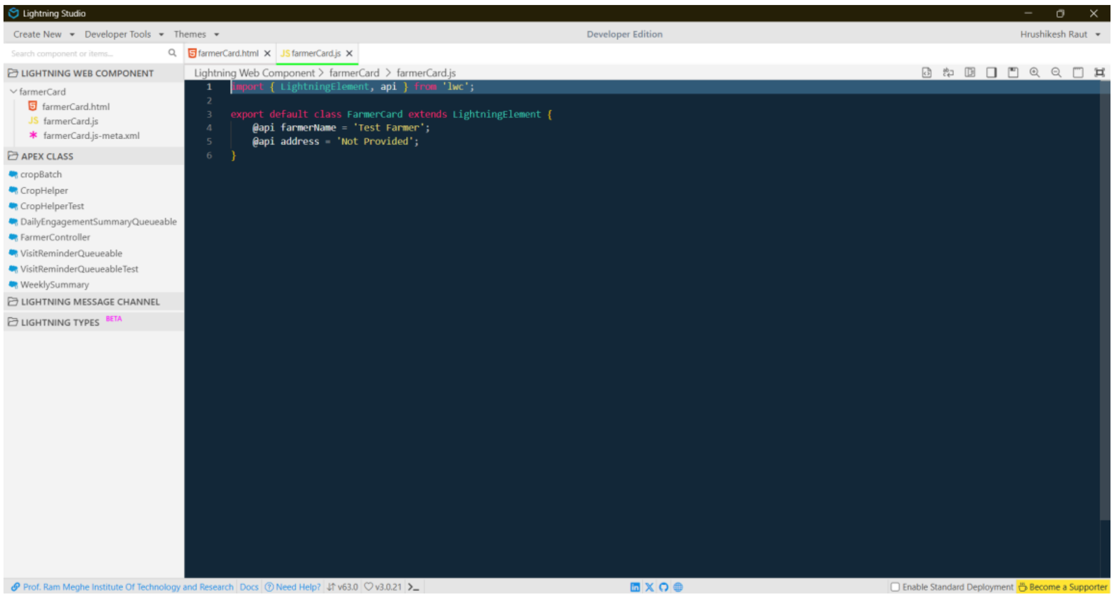
(This saves the setup and configuration of VS studio or Salesforce CLI)

farmerCard.html (markup/template) :



```html
<template>
    <lightning-card title="Farmer Info">
        <div class="slds-p-around_small">
            <p><strong>Name:</strong> {farmerName}</p>
            <p><strong>Address:</strong> {address}</p>
        </div>
    </lightning-card>
</template>
```

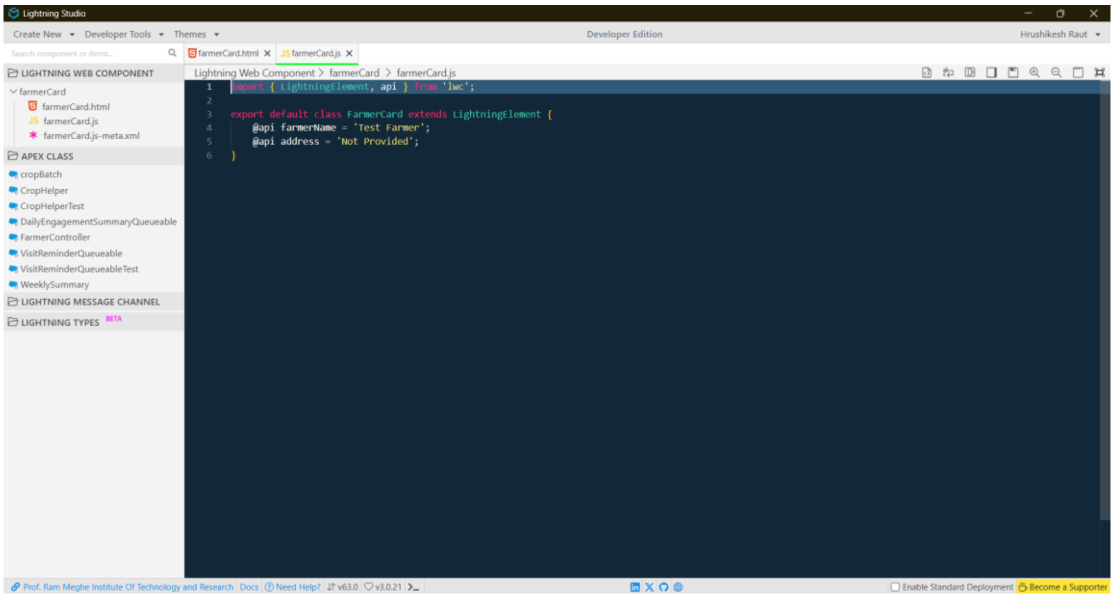
farmerCard.js (JavaScript logic) :



```javascript
import { LightningElement, api } from 'lwc';

export default class FarmerCard extends LightningElement {
    @api farmerName = 'Test Farmer';
    @api address = 'Not Provided';
}
```

farmerCard.js-meta.xml (exposure config) :



```
import { LightningElement, api } from 'lwc';

export default class FarmerCard extends LightningElement {
    @api farmerName = 'Test Farmer';
    @api address = 'Not Provided';
}
```

(Above is a sample for UI development using LWC)

OR,

❖ *Flows*

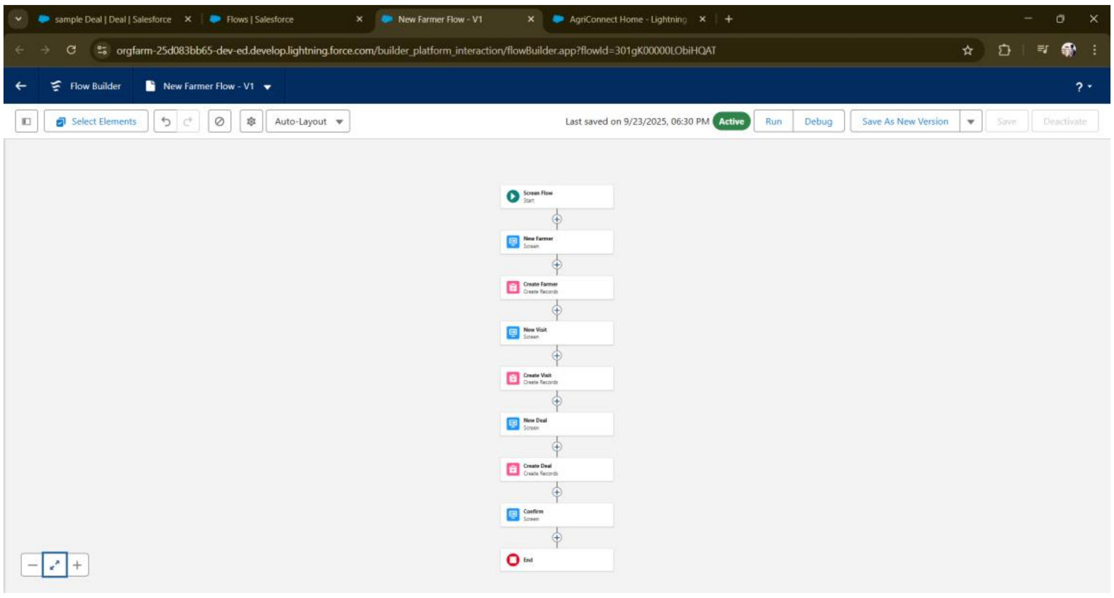
(Flows can be used as an alternative for LWC)

Steps:

1. Navigate to Flows: From the App Launcher, search for Flow
2. Start a New Flow: In the Flows panel, click the New button.
3. Select Flow Type: For Example Choose Screen Flow from the options
4. Add a Screen Element: On the Flow Builder canvas, click the + icon and select the Screen element.
5. Configure the Screen:

6. Give your screen element a unique API Name and a descriptive Label.
7. In the left panel, find the desired components (e.g., Text, Lookup, Email) and drag them onto your screen.
8. For each component, provide a unique API Name and a user-friendly Label.
9. Set components as required if necessary, using the Configure Footer option to customize button labels (like "Next" or "Finish").
10. Add Other Elements (if needed): Use other elements like Create Records or Get Records to interact with Salesforce data and connect them to your screen elements.
11. Save and Activate : Click the Save button in the Flow Builder to save then click Activate

A Screen Flow for new Entry in the records :


sample Deal | Deal | Salesforce
Flows | Salesforce
New Farmer Flow - V1
AgriConnect Home - Lightning
orgfarm-25d083bb65-dev-ed.develop.lightning.force.com/builder_platform_interaction/flowBuilder.app?flowId=301gK00000LObiHQAT
Flow Builder
New Farmer Flow - V1
Select Elements
Auto-Layout
Last saved on 9/23/2025, 06:30 PM
Active
Run
Debug
Save As New Version
Save
Deactivate
Screen Flow
Start
New Farmer
Screen
Create Farmer
Create Records
New Visit
Screen
Create Visit
Create Records
New Deal
Screen
Create Deal
Create Records
Confirm
Screen
End