

# Farmers Market & Supply Chain Project: Phase 3 – Data Modeling & Relationships

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## 1. Standard & Custom Objects

Standard Objects Used:

- User (default Salesforce users)
- Account / Contact (optional, if reused for Buyers or Farmers)

Custom Objects Created:

- Farmer\_\_c – represents farmers/vendors
- Buyer\_\_c – represents customers
- Produce\_\_c – produce information (name, quantity, price)
- Order\_\_c – order record
- Order\_Item\_\_c – junction object linking Order and Produce
- Market\_\_c – market locations

SETUP > OBJECT MANAGER

Farmer

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

Details

EditDelete

Description

API Name

Farmer\_\_c

Custom

✓

Singular Label

Farmer

Plural Label

Farmers

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

## Buyer

### Details

- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Restriction Rules
- Scoping Rules

### Details

[Edit](#) [Delete](#)

Description

API Name

Buyer\_\_c

Custom

✓

Singular Label

Buyer

Plural Label

Buyers

Enable Reports

✓

Track Activities

✓

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

## Produce

### Details

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- Compact Layouts
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- Record Types
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- Restriction Rules
- Scoping Rules

### Details

[Edit](#) [Delete](#)

Description

API Name

Produce\_\_c

Custom

✓

Singular Label

Produce

Plural Label

Produces

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Order

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Details

Edit

Delete

Description

API Name

Order\_\_c

Custom



Singular Label

Order

Plural Label

Orders

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

## Order Product

### Details

Fields & Relationships

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Buttons and Links

Compact Layouts

Field Sets

Object Limits

Triggers

Flow Triggers

Validation Rules

Conditional Field Formatting

### Details

Description

API Name

OrderItem

Custom

Singular Label

Order Product

Plural Label

Order Products

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Standard salesforce.com Help Window

## Market

### Details

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Object Limits

Record Types

Related Lookup Filters

Restriction Rules

Scoping Rules

### Details

Edit

Delete

Description

API Name

Market\_\_c

Custom

✓

Singular Label

Market

Plural Label

markets

Enable Reports

✓

Track Activities

✓

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help

Window

## 2. Fields

Each object has custom fields to capture details.

Produce\_\_c:

- Produce\_Code\_\_c (Text)
- Quantity\_Available\_\_c (Number)
- Unit\_Price\_\_c (Currency)
- Unit\_\_c (Picklist: kg, piece, dozen)
- Farmer\_\_c (Lookup → Farmer\_\_c)

Order\_\_c:

- Order\_Number\_\_c (Auto-Number)
- Order\_Date\_\_c (Date)
- Status\_\_c (Picklist: New, Confirmed, Shipped, Delivered)
- Buyer\_\_c (Lookup → Buyer\_\_c)
- Market\_\_c (Lookup → Market\_\_c)

Order\_Item\_\_c:

- Order\_\_c (Master-Detail → Order\_\_c)

- Produce\_\_c (Lookup → Produce\_\_c)
- Quantity\_\_c (Number)

SETUP > OBJECT MANAGER

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Fields & Relationships

7 Items, Sorted by Field Label

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Created By	CreatedById	Lookup(User)			
Farmer	Farmer__c	Master-Detail(Farmer)		✓	▼
Harvest Date	Harvest_Date__c	Date			▼
Last Modified By	LastModifiedById	Lookup(User)			
Price	Price__c	Currency(16, 2)			▼
Produce Name	Name	Text(80)		✓	▼
Quantity Available	Quantity_Available__c	Number(8, 0)			▼

SETUP > OBJECT MANAGER

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Scoping Rules

Object Access

Fields & Relationships

10 Items, Sorted by Field Label

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Buyer Name	Buyer_Name__c	Text(80)			▼
Created By	CreatedById	Lookup(User)			
Freight Cost	Freight_Cost__c	Currency(18, 0)			▼
Last Modified By	LastModifiedById	Lookup(User)			
Order Date	Order_Date__c	Date			▼
Order Name	Name	Text(80)		✓	▼
Order Quantity	Order_Quantity__c	Number(8, 0)			▼
Owner	OwnerId	Lookup(User,Group)		✓	
Produce	Produce__c	Lookup(Produce)		✓	▼

SETUP > OBJECT MANAGER

Order Product

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Flow Triggers

Validation Rules

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Fields & Relationships

15 Items, Sorted by Field Label

New

Deleted Fields

Field Dependencies

Set History Tracking

Available Quantity	AvailableQuantity	Number(16, 2)			
Created By	CreatedById	Lookup(User)			
End Date	EndDate	Date			
Last Modified By	LastModifiedById	Lookup(User)			
Line Description	Description	Text(255)			
List Price	ListPrice	Currency(16, 2)			
Order	OrderId	Lookup(Order)		✓	
Order Product Number	OrderItemNumber	Auto Number		✓	
Original Order Product	OriginalOrderItemId	Lookup(Order Product)		✓	
Product	Product2Id	Lookup(Product)		✓	
Quantity	Quantity	Number(16, 2)			
Reference Price	ReferencePrice	Currency(16, 2)			
Unit Price	UnitPrice	Price			

### 3. Record Types

Created on Order\_\_c:

- Retail Order – for small buyers
- Wholesale Order – for bulk buyers

Record types allow different page layouts and picklist values per type.

SETUP > OBJECT MANAGER

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**Record Types**

Related Lookup Filters

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Object Access

Record Type

**Retail Order**

[Back to Custom Object: Order](#)

Use the Edit button to change the properties of this record type. Use the Edit links in the Picklist Values related list to choose the picklist values available for records with this record type.

Edit

Record Type Label	Retail Order	Active	✓
Record Type Name	Retail_Order		
Namespace Prefix			
Description			
Created By	Thirishamahi Bandari	9/23/2025, 10:38 AM	Modified By Thirishamahi Bandari 9/23/2025, 10:38 AM

Picklists Available for Editing

Picklists Available for Editing Help ?

Action	Field	Modified Date
Edit	Status	9/23/2025, 10:38 AM

Record Type

## Wholesale Order

[Back to Custom Object: Order](#)

Use the Edit button to change the properties of this record type. Use the Edit links in the Picklist Values related list to choose the picklist values available for records with this record type.

Edit

Record Type Label	Wholesale Order	Active	✓
Record Type Name	Wholesale_Order		
Namespace Prefix			
Description			
Created By	Thirishamahi Bandari	9/23/2025, 10:42 AM	Modified By Thirishamahi Bandari 9/23/2025, 10:42 AM

Picklists Available for Editing

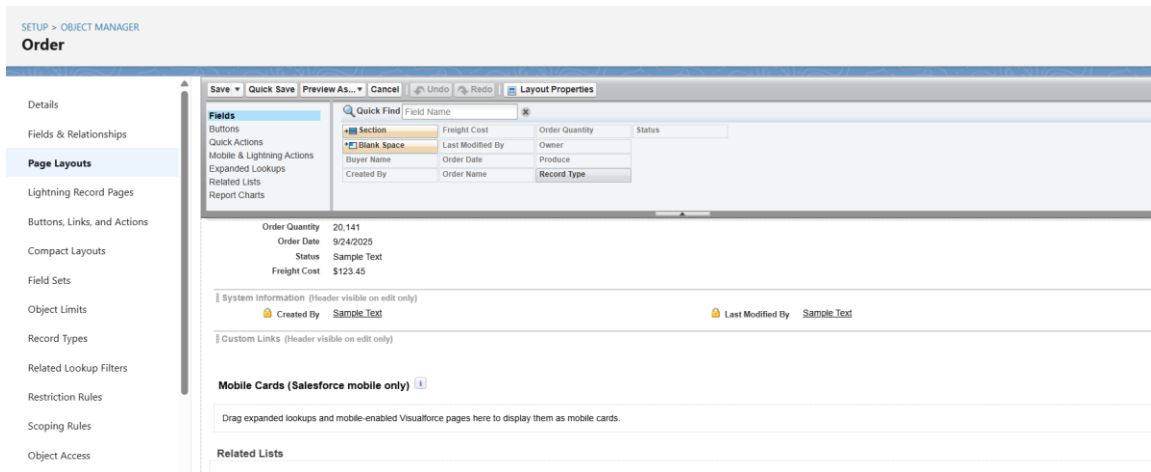
Picklists Available for Editing Help ?

Action	Field	Modified Date
Edit	Status	9/23/2025, 10:42 AM

### 4. Page Layouts

Page layouts are customized per object:

- Produce\_\_c Layout – show details + related orders
- Order\_\_c Layout – show Buyer, Market, Status + Order Items related list
- Farmer\_\_c Layout – farmer details + related produce
- Buyer\_\_c Layout – buyer details + related orders

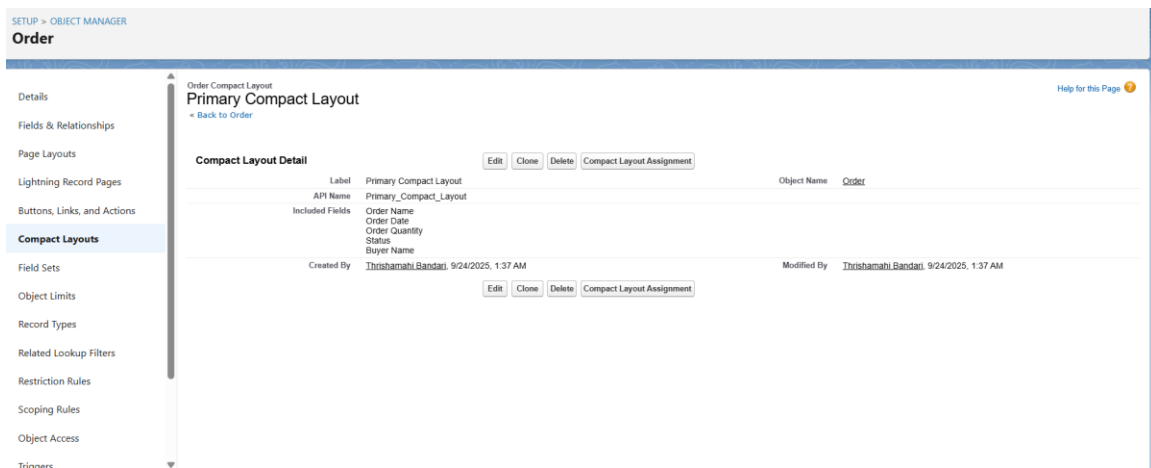


## 5. Compact Layouts

Compact layouts define fields shown in the record highlights panel.

Examples:

- Order\_\_c Compact Layout – Order Name, Buyer, Status, Order Date, Order Quantity



## 6. Schema Builder

Schema Builder is used to visualize the entire data model.

Steps:

1. Setup → Schema Builder
2. Select objects: Farmer, Buyer, Produce, Order, Order\_Item, Market
3. Drag objects on the canvas
4. Verify relationships visually (Lookup, Master-Detail, Junction)
5. Save the diagram for documentation



## Produce

Details

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Produce Custom Field

### Farmer

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[Help for this Page](#)

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#### Custom Field Definition Detail

[Edit](#) [Set Field-Level Security](#) [View Field Accessibility](#) [Where is this used?](#)

#### Field Information

Field Label	Farmer	Object Name	Produce
Field Name	Farmer	Data Type	Master-Detail
API Name	Farmer__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Thirshamahi Bandari, 9/15/2025, 5:21 AM	Modified By	Thirshamahi Bandari, 9/15/2025, 5:21 AM

#### Master-Detail Options

Related To	Farmer	Child Relationship Name	Produces
Related List Label	Produce		
Sharing Setting	Read/Write: Allows users with at least Read/Write access to the Master record to create, edit, or delete related Detail records.		
Reparentable Master Detail	<input type="checkbox"/>		

#### Lookup Filter

## Order

Details

### Fields & Relationships

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Order Custom Field

### Produce

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#### Custom Field Definition Detail

[Edit](#) [Set Field-Level Security](#) [View Field Accessibility](#) [Where is this used?](#)

#### Field Information

Field Label	Produce	Object Name	Order
Field Name	Produce	Data Type	Lookup
API Name	Produce__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Thirshamahi Bandari, 9/15/2025, 5:25 AM	Modified By	Thirshamahi Bandari, 9/15/2025, 5:25 AM

#### Lookup Options

Related To	Produce	Child Relationship Name	Orders
Related List Label	Orders		
Required	<input type="checkbox"/>		
What to do if the lookup record is deleted?	Clear the value of this field.		

## Schema Builder

[Help for this Page](#)

[Close](#)

[Auto-Layout](#)

[View Options](#)

### Elements

### Objects

Select objects to display on the builder.

Select from [All Objects](#)

Quick Find

[Select All](#) [Clear All](#)

- ☐ Account
- ☐ ActivationTarget
- ☐ Activity
- ☐ Address
- ☐ Albums\_\_c
- ☐ AlternativePaymentMethod
- ☐ AppointmentCategory
- ☐ AppointmentInvitation
- ☐ AppointmentInvites
- ☐ AppointmentTopicTimeSlot
- ☐ ApprovalSubmission
- ☐ ApprovalSubmissionDetail
- ☐ ApprovalWorkItem
- ☐ Artist\_\_c
- ☐ Asset
- ☐ AssetAction
- ☐ AssetActionSource
- ☐ AssetRelationship

**Farmer\_\_c**

- Id
- CreatedBy
- CreatedDate
- IsActive
- IsDeleted
- Name
- Phone
- Region
- Website

**Market\_\_c**

- Id
- CreatedBy
- CreatedDate
- IsActive
- IsDeleted
- Name
- Phone
- Region
- Website

**Super\_\_c**

- Id
- CreatedBy
- CreatedDate
- IsActive
- IsDeleted
- Name
- Phone
- Region
- Website

**Order\_\_c**

- Id
- CreatedBy
- CreatedDate
- IsActive
- IsDeleted
- Name
- Phone
- Region
- Website

**Order\_Item\_\_c**

- Id
- CreatedBy
- CreatedDate
- IsActive
- IsDeleted
- Name
- Phone
- Region
- Website

**Produce\_\_c**

- Id
- CreatedBy
- CreatedDate
- IsActive
- IsDeleted
- Name
- Phone
- Region
- Website

**Legend**

- Lookup Relationship
- Master-Detail Relationship
- Required Field

