

# Phase 3

**Objective:** Create custom objects, fields, relationships, layouts, and schema for the Organ Donation & Transplant Registry.

## Custom Objects

Object Name	API Name	Record Name	Notes
Donor	Donor__c	Donor Number (Auto Number)	Stores donor information
Recipient	Recipient__c	Recipient Number (Auto)	Stores recipient information
Organ	Organ__c	Organ ID (Auto Number)	Stores organ details
Match Record	Match_Record__c	Match ID (Auto Number)	Junction object linking Donor & Recipient

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Donor

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

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Related Lookup Filters

Restriction Rules

Scoping Rules

Object Access

Triggers

Details

Description

API Name  
Donor\_\_c

Custom  
✓

Singular Label  
Donor

Plural Label  
Donors

Enable Reports  
✓

Track Activities  
✓

Track Field History  
✓

Deployment Status  
Deployed

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Details

Description

API Name  
Recipient\_\_c

Custom  
✓

Singular Label  
Recipient

Plural Label  
Recipients

Enable Reports  
✓

Track Activities  
✓

Track Field History  
✓

Deployment Status  
Deployed

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Details

Description

API Name

Organ\_\_c

Custom

✓

Singular Label

Organ

Plural Label

Organs

Enable Reports

✓

Track Activities

✓

Track Field History

Deployment Status

Deployed

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Details

Description

API Name

Match\_Record\_\_c

Custom

✓

Singular Label

Match Record

Plural Label

Match Records

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

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Edit







Delete

## Fields

### Donor Fields

Field Name	Type	Picklist/Values
Age__c	Number	3 digits max
Blood_Group__c	Picklist	A+, A-, B+, B-, AB+, AB-, O+, O-
Contact_Email__c	Email	
Contact_Phone__c	Phone	
City__c	Text	
Medical_Status__c	Picklist	Eligible, Ineligible, Pending
Donor_ID__c	Text/External ID	



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Flow Triggers

Validation Rules

Fields & Relationships

11 Items. Sorted by Field Label

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Age	Age__c	Number(3, 0)		<input type="checkbox"/>
Blood Group	Blood_Group__c	Picklist		<input type="checkbox"/>
City	City__c	Text(30)		<input type="checkbox"/>
Contact Email	Contact_Email__c	Email		<input type="checkbox"/>
Contact Phone	Contact_Phone__c	Phone		<input type="checkbox"/>
Created By	CreatedById	Lookup(User)		<input type="checkbox"/>
Doctor ID	Doctor_ID__c	Text(20)		<input type="checkbox"/>
Donor Name	Name	Text(80)		<input checked="" type="checkbox"/>
Last Modified By	LastModifiedById	Lookup(User)		<input type="checkbox"/>
Medical Status	Medical_Status__c	Picklist		<input type="checkbox"/>
Owner	OwnerId	Lookup(User,Group)		<input checked="" type="checkbox"/>

## Recipient Fields

Field Name	Type	Picklist/Values
Age__c	Number	
Blood_Group__c	Picklist	Same as Donor
Required_Organ__c	Picklist	Kidney, Liver, Heart, Lung, Pancreas, Other
Urgency_Level__c	Picklist	Low, Medium, High
Hospital__c	Text	
Status__c	Picklist	Waiting, Matched, Transplanted

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Validation Rules

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
Age	Age__c	Number(3, 0)		<input type="checkbox"/>
Blood Group	Blood_Group__c	Picklist		<input type="checkbox"/>
Created By	CreatedById	Lookup(User)		<input type="checkbox"/>
Hospital	Hospital__c	Text(30)		<input type="checkbox"/>
Last Modified By	LastModifiedById	Lookup(User)		<input type="checkbox"/>
Owner	OwnerId	Lookup(User,Group)		<input checked="" type="checkbox"/>
Recipient Name	Name	Text(80)		<input checked="" type="checkbox"/>
Required Organ	Required_Organ__c	Picklist		<input type="checkbox"/>
Status	Status__c	Picklist		<input type="checkbox"/>
Urgency Level	Urgency_Level__c	Picklist		<input type="checkbox"/>

## Organ Fields

Field Name	Type	Notes
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Organ_Type__c	Picklist	Same as Required_Organ
Status__c	Picklist	Available, Assigned, Transplanted
Donor__c	Lookup	Donor__c
Condition__c	Text	
Collected_Date__c	Date	

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Collected Date	Collected_Date__c	Date		
Condition	Condition__c	Text(100)		
Created By	CreatedById	Lookup(User)		
Donor	Donor__c	Lookup(Donor)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Organ Name	Name	Text(80)		✓
Organ Type	Organ_Type__c	Picklist		
Owner	OwnerId	Lookup(User, Group)		✓
Status	Status__c	Picklist		

## Match Record Fields

Field Name	Type	Notes
Donor__c	Master-Detail	Donor is Master
Recipient__c	Master-Detail	Recipient is Master
Doctor_Assigned__c	Lookup(User)	Doctor handling match
Match_Date__c	Date	
Status__c	Picklist	Pending, Approved, Rejected, Completed
Notes__c	Long Text	

<div> <div> <div>SETUP &gt; OBJECT MANAGER</div> <div>Match Record</div> </div> <div> <div>Details</div> <div>Fields &amp; Relationships</div> <div>Page Layouts</div> <div>Lightning Record Pages</div> <div>Buttons, Links, and Actions</div> <div>Compact Layouts</div> <div>Field Sets</div> <div>Object Limits</div> <div>Record Types</div> <div>Related Lookup Filters</div> <div>Restriction Rules</div> <div>Scoping Rules</div> <div>Object Access</div> <div>Triggers</div> <div>Other Features</div> </div> </div>				
<div> <div>Fields &amp; Relationships</div> <div>9 Items. Sorted by Field Label</div> <div> <div>Q Quick Find</div> <div>New</div> <div>Deleted Fields</div> <div>Field Dependencies</div> <div>Set History Tracking</div> </div> </div>				
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Doctor Assigned	Doctor_Assigned__c	Lookup(User)		✓
Donor	Donor__c	Master-Detail(Donor)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Match Date	Match_Date__c	Date		
Match Record Name	Name	Text(80)		✓
Notes	Notes__c	Long Text Area(32768)		
Recipient	Recipient__c	Master-Detail(Recipient)		✓
Status	Status__c	Picklist		

## Relationships

Relationship Type	Objects Connected	Notes
Master-Detail	Donor ↔ Match Record	Junction object
Master-Detail	Recipient ↔ Match Record	Junction object
Lookup	Organ ↔ Donor	Each Organ belongs to a Donor
Lookup	Match Record ↔ Doctor (User)	Doctor assigned for the match

## Page Layouts

- **Donor Layout:** Donor fields + Related Lists (Organs, Match Records)
- **Recipient Layout:** Recipient fields + Related List (Match Records)
- **Organ Layout:** Organ fields
- **Match Record Layout:** Donor, Recipient, Doctor\_Assigned\_\_c, Status, Match Date, Notes

## Compact Layouts

Object	Key Fields for Compact Layout
Donor	Donor Number, Age, Blood Group, Medical Status
Recipient	Recipient Number, Required Organ, Urgency Level, Status
Organ	Organ ID, Organ Type, Status, Donor
Match Record	Match ID, Donor, Recipient, Doctor_Assigned__c, Status

## Record Types (Optional)

- Example: Donor → Living / Deceased
  - Assign layouts and picklist values per record type
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## Schema Builder

1. Go to **Setup** → **Schema Builder**
  2. Drag all custom objects and fields
  3. Visualize relationships:
    - Donor → Match Record (Master-Detail)
    - Recipient → Match Record (Master-Detail)
    - Organ → Donor (Lookup)
    - Doctor\_Assigned\_\_c → User (Lookup)
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## Relationship Notes

- **Junction Object:** Match Record connects Donor and Recipient (many-to-many)
- **Lookup:** Organ → Donor
- **Lookup:** Doctor\_Assigned\_\_c → User
- **Master-Detail:** Donor → Match Record, Recipient → Match Record