

Caption Project 2

1. Data Model: You would require 3 custom objects.

A. Station Object

SETUP > OBJECT MANAGER

Station

Details

Fields & Relationships

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

Custom Rules

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)		
Currency	CurrencyIsoCode	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Project Status	Project_Status__c	Picklist		
Station Name	Name	Text(80)		✓
Sum of Resources	Sum_of_Resources__c	Roll-Up Summary (COUNT Man Power)		

a. Station Name

SETUP > OBJECT MANAGER

Station

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Station Field

Station Name

Back to Station

Help for this Page

Set Field-Level Security

View Field Accessibility

Field Information

Field Label	Station Name	Field Name	Name
Data Type	Text(80)		
Description			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Validation Rules

New

Validation Rules Help

No validation rules defined.

b. Sum of Resources

Station Custom Field

Sum of Resources

[Back to Station](#)

Custom Field Definition Detail

Edit

Set Field-Level Security

View Field Accessibility

Where is this used?

Field Information

Field Label	Sum of Resources	Object Name	Station
Field Name	Sum_of_Resources		
API Name	Sum_of_Resources__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Puja Kumari, 23/11/2024, 6:41 pm	Modified By	Puja Kumari, 26/11/2024, 4:45 pm

Roll-Up Summary Options

Data Type	Roll-Up Summary	Summary Type	COUNT
Summarized Object	Man Power		
Filter Criteria			

c. Project Status

SETUP > OBJECT MANAGER

Station

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Restriction Rules

Scoping Rules

Station Custom Field

Project Status

[Back to Station](#)

Validation Rules (0)

Custom Field Definition Detail

Edit

Set Field-Level Security

View Field Accessibility

Where is this used?

Field Information

Field Label	Project Status	Object Name	Station
Field Name	Project_Status	Data Type	Picklist
API Name	Project_Status__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Puja Kumari, 23/11/2024, 6:14 pm	Modified By	Puja Kumari, 23/11/2024, 6:14 pm

General Options

Required	<input type="checkbox"/>
Default Value	<input type="text" value=""/>

Picklist Options

Restrict picklist to the values defined in the value set	<input checked="" type="checkbox"/>
Controlling Field	<input type="text" value="New"/>

B. Man Power Object

SETUP > OBJECT MANAGER

Man Power

Details

Fields & Relationships

10 Items, Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

Created By	CreatedById	Lookup(User)	
Currency	CurrencyIsoCode	Picklist	
Department	Department__c	Text(18)	
Last Modified By	LastModifiedById	Lookup(User)	
Man Power Name	Name	Text(80)	✓
Percentage utilization of manpower	Percentage_utilization_of_manpower__c	Percent(18, 0)	
Shift	Shift__c	Picklist	
Station	Station__c	Master-Detail(Station)	✓
Total Crew	Total_Crew__c	Number(18, 0)	
Total Number of People	Total_Number_of_People__c	Number(18, 0)	

a. Shift

SETUP > OBJECT MANAGER

Man Power

Details

Fields & Relationships

Man Power Custom Field

Shift

Back to Man Power

Validation Rules 0

Custom Field Definition Detail

Edit

Set Field-Level Security

View Field Accessibility

Where is this used?

Field Information

Field Label	Shift	Object Name	Man Power
Field Name	Shift	Data Type	Picklist
API Name	Shift__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Puja Kumari	Modified By	Puja Kumari
	23/11/2024, 6:18 pm		23/11/2024, 6:18 pm

General Options

Required

Default Value

Picklist Options

Restrict picklist to the values defined in the value set

Controlling Field

New

b. Department

SETUP > OBJECT MANAGER

Man Power

Details

Fields & Relationships

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List View Button Layout

Restriction Rules

Scoping Rules

Man Power Custom Field

Department

Back to Man Power

Validation Rules III

Custom Field Definition Detail

Edit

Set Field Level Security

View Field Accessibility

Where is this used?

Field Information

Field Label	Department	Object Name	Man Power
Field Name	Department	Data Type	Text
API Name	Department__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Puja Kumari, 23/11/2024, 6:19 pm	Modified By	Puja Kumari, 23/11/2024, 6:19 pm

General Options

Required	<input type="checkbox"/>
Unique	<input type="checkbox"/>
Case Sensitive	<input type="checkbox"/>
External ID	<input type="checkbox"/>
Default Value	

c. Total Number of People

SETUP > OBJECT MANAGER

Man Power

Details

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Restriction Rules

Scoping Rules

Man Power Custom Field

Total Number of People

Back to Man Power

Validation Rules III

Custom Field Definition Detail

Edit

Set Field Level Security

View Field Accessibility

Where is this used?

Field Information

Field Label	Total Number of People	Object Name	Man Power
Field Name	Total_Number_of_People	Data Type	Number
API Name	Total_Number_of_People__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Puja Kumari, 23/11/2024, 6:20 pm	Modified By	Puja Kumari, 23/11/2024, 6:20 pm

General Options

Required	<input type="checkbox"/>
Unique	<input type="checkbox"/>
External ID	<input type="checkbox"/>
AI Prediction	<input type="checkbox"/>
Default Value	

d. Total Crew

SETUP > OBJECT MANAGER

Man Power

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Restriction Rules

Scoping Rules

Man Power Custom Field

Total Crew

Back to Man Power

Validation Rules III

Custom Field Definition Detail

Edit

Set Field Level Security

View Field Accessibility

Where is this used?

Field Information

Field Label	Total Crew	Object Name	Man Power
Field Name	Total_Crew	Data Type	Number
API Name	Total_Crew__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Puja Kumari, 23/11/2024, 6:22 pm	Modified By	Puja Kumari, 23/11/2024, 6:22 pm

General Options

Required	<input type="checkbox"/>
Unique	<input type="checkbox"/>
External ID	<input type="checkbox"/>
AI Prediction	<input type="checkbox"/>
Default Value	

e. **Percentage utilization of Manpower**

SETUP > OBJECT MANAGER

Man Power

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Restriction Rules

Scoping Rules

Man Power Custom Field

Percentage utilization of manpower

Back to Man Power

Validation Rules 0

Where is this used?

Custom Field Definition Detail

Field Information

Field Label	Percentage utilization of manpower	Object Name	Man Power
Field Name	Percentage_utilization_of_manpower	Data Type	Percent
API Name	Percentage_utilization_of_manpower__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Pooja Kumari, 26/11/2024, 4:57 pm	Modified By	Pooja Kumari, 26/11/2024, 4:57 pm

General Options

Required ☐

Default Value

Percent Options

Length 18

Decimal Places 0

C. **Man Power Object**

SETUP > OBJECT MANAGER

Supply

Details

Fields & Relationships

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Restriction Rules

Fields & Relationships

8 Items, Sorted by Field Label

Q Quick Find

New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Cost	Cost__c	Currency(18, 0)			▼
Created By	CreatedById	Lookup(User)			
Currency	CurrencyIsoCode	Picklist			▼
Last Modified By	LastModifiedById	Lookup(User)			
Quantity	Quantity__c	Number(18, 0)			▼
Station	Station__c	Master-Detail(Station)		✓	▼
Supply Name	Name	Text(80)		✓	▼
Total Cost	Total_Cost__c	Formula (Currency)			▼

a. Cost

SETUP > OBJECT MANAGER

Supply

Details

Fields & Relationships

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Restriction Rules

Scoping Rules

Supply Custom Field

Cost

[Back to Supply](#)

Validation Rules (0)

Custom Field Definition Detail

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

⚠ Multiple currencies are enabled. You must set decimal places for each currency through Manage Currencies instead.

Created By: [Puja Kumar](#), 23/11/2024, 6:25 pm

Modified By: [Puja Kumar](#), 23/11/2024, 6:25 pm

Field Information

Field Label	Cost	Object Name	Supply
Field Name	Cost	Data Type	Currency
API Name	Cost__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

General Options

Required ☐

Default Value

Currency Options

b. Supply Name

SETUP > OBJECT MANAGER

Supply

Details

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Restriction Rules

Supply Field

Supply Name

[Back to Supply](#)

[Set Field-Level Security](#) [View Field Accessibility](#)

Field Information

Field Label	Supply Name	Field Name	Name
Data Type	Text(80)		
Description			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Validation Rules

[New](#)

No validation rules defined.

[Validation Rules Help](#)

c. Quantity

SETUP > OBJECT MANAGER

Supply

Details

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Restriction Rules

Scoping Rules

Supply Custom Field

Quantity

[Back to Supply](#)

Validation Rules (0)

Custom Field Definition Detail

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

Field Information

Field Label	Quantity	Object Name	Supply
Field Name	Quantity	Data Type	Number
API Name	Quantity__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Created By: [Puja Kumar](#), 23/11/2024, 6:26 pm

Modified By: [Puja Kumar](#), 23/11/2024, 6:26 pm

General Options

Required ☐

Unique ☐

External ID ☐

AI Prediction ☐

Default Value

d. Total Cost

SETUP > OBJECT MANAGER

Supply

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Restriction Rules

Scoping Rules

Supply Custom Field

Total Cost

Back to Supply

Help for this Page

Custom Field Definition Detail

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Field Information

Field Label	Total Cost	Object Name	Supply
Field Name	Total_Cost		
API Name	Total_Cost__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Puja Kumari, 23/11/2024, 6:27 pm	Modified By	Puja Kumari, 23/11/2024, 6:27 pm

Formula Options

	Data Type	Formula
	Decimal Places	2
Cost__c * Quantity__c		

2. Automation process to meet the following conditions:

A. Workflow Rules

SETUP

Workflow Rules

Workflow Rule

Under or Over Utilized Manpower

Help for this Page

Go with the flow! With Flow Builder, the future of low-code automation, you can do everything you do with workflow rules — and more! Salesforce plans to retire workflow rules and recommends building automation in Flow Builder. [Tell Me More](#) | [Migrate your workflow rules to flows](#)

Workflow Rule Detail

EditDeleteCloneActivate

Rule Name	Under or Over Utilized Manpower	Object	Man Power
Active	<input type="checkbox"/>	Evaluation Criteria	Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria
Description			
Rule Criteria	(Man Power: Percentage utilization of manpower LESS THAN 50) AND (Man Power: Percentage utilization of manpower GREATER THAN 80)		
Created By	Puja Kumari, 26/11/2024, 5:18 pm	Modified By	Puja Kumari, 26/11/2024, 5:18 pm

Workflow Actions

Edit

Immediate Workflow Actions

Type	Description
Email Alert	Under or Over Utilization Manpower

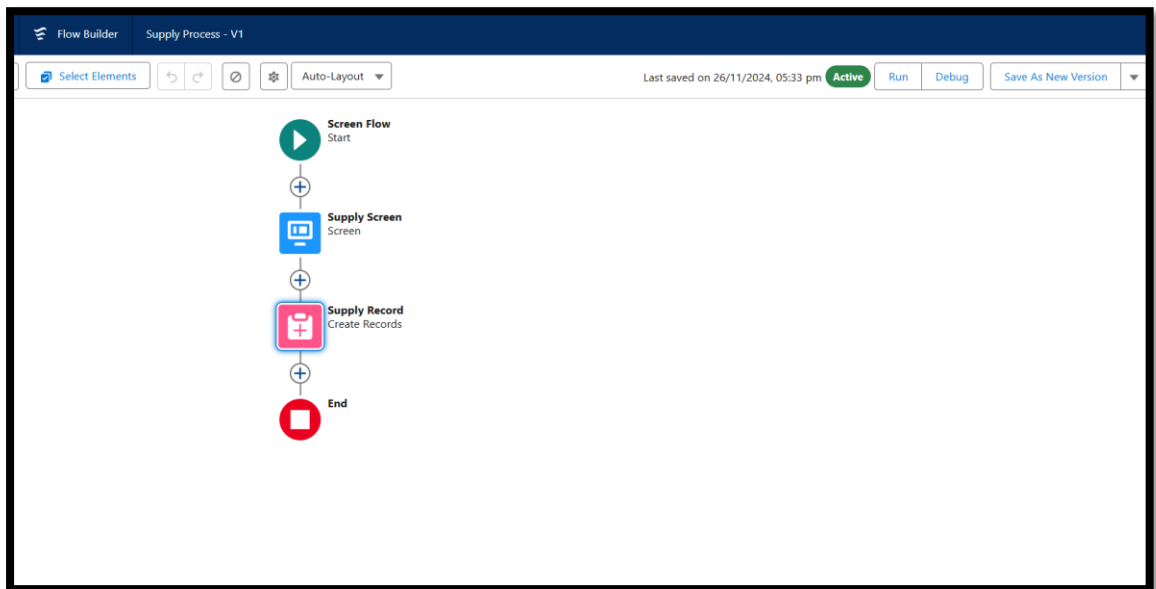
Time-Dependent Workflow Actions

[See an example](#)

No workflow actions have been added. Before adding a workflow action, you must have at least one time trigger defined.

B. Create a process to create records for the supply and manpower

a. Supply Process



Supply Process

* Supply Name
Tools

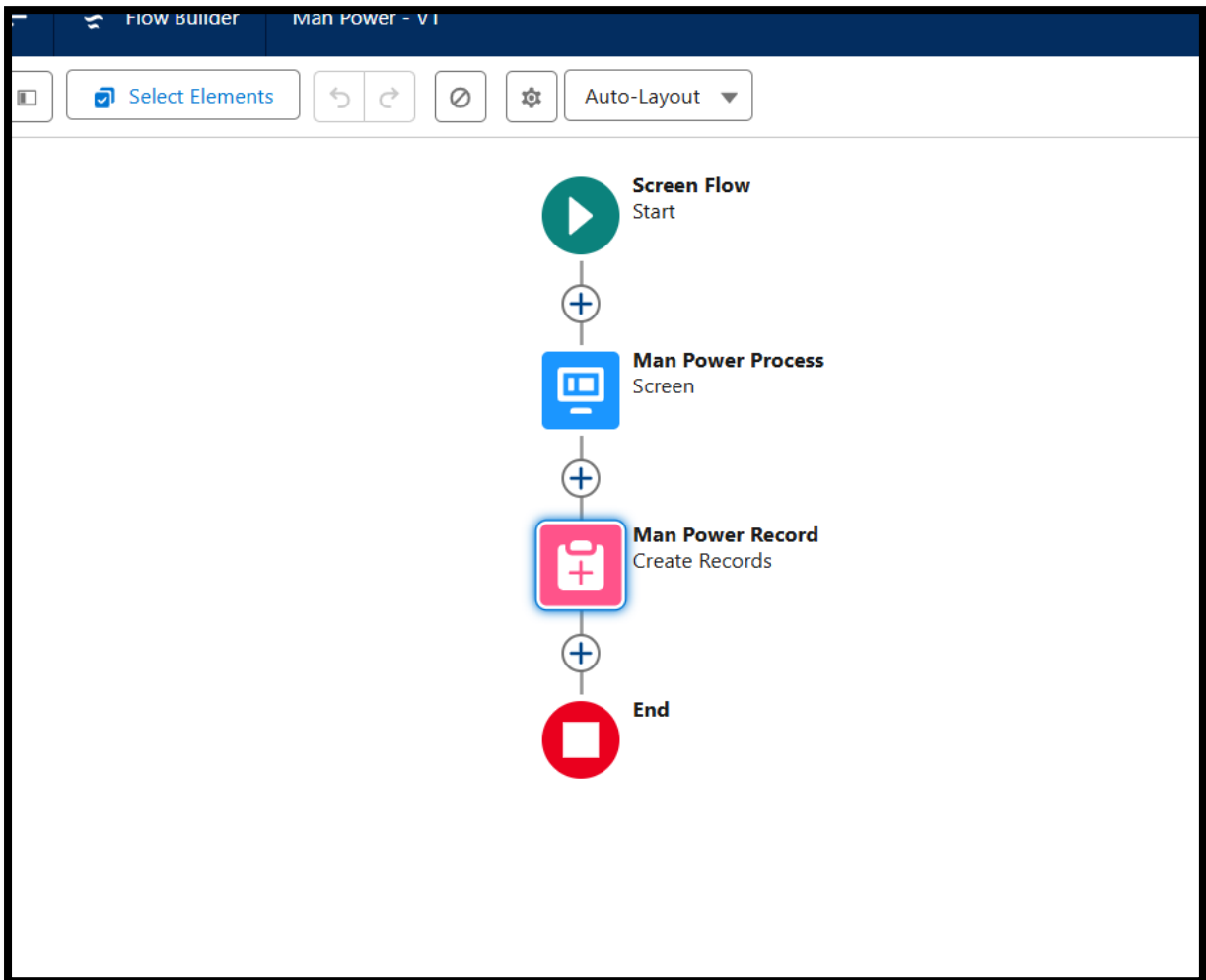
* Cost
300

* Quantity
5

* Station Name
Mark1

Next

b. Man Power Process



Man Power

* Manpower Name
vikash

* Shift
Day


* Department
IT

* Station
Mark11

* Percentage of Utilization of Manpower
60

Next

Reports and dashboards:



Space Station Proje...

Supplies

Man Powers

Stations

* Reports

* Analytics

Home > Lightning Report

Report: Stations with Supplies

Supplies Report

Total Records
11

Total Total Cost
INR 62,39,150.00

<input type="checkbox"/> Project Status ↑	Station: Station Name	Supply: Supply Name	Total Cost
<input type="checkbox"/> 0% Not Started (2)	Kepler I	Iron	INR 6,00,000.00
	Kepler I	Steel	INR 20,000.00
<input type="checkbox"/> 25% In Progress (2)	Kepler	Steel	INR 2,000.00
	SG0	Supply 4	INR 2,800.00
<input type="checkbox"/> 100% Completed (2)	BXO	Supply 3	INR 60,000.00
	PGI	Supply 5	INR 3,500.00
<input type="checkbox"/> 50% In Progress (4)	Mark Station	Standard Materials	INR 5,00,000.00
	Mark Station	Tools	INR 50,00,000.00
	Mark Station	Raw Materials	INR 50,000.00
	GTS	Supply 2	INR 600.00
<input type="checkbox"/> 75% In Progress (1)	GTV	Supply 1	INR 250.00
Total (11)			INR 62,39,150.00

Report: Stations with Man Powers

Man Powers Report

Total Records
10

Total Percentage utilization of ma...
678%

Average Percentage utilization of ...
68%

<input type="checkbox"/> Station: Station Name ↑	Man Power: Man Power Name	Percentage utilization of manpower	Project Status
<input type="checkbox"/> BXO (1)	Gulshan	76%	100% Completed
Subtotal		76% Avg: 76%	
<input type="checkbox"/> GTS (1)	Surya	56%	75 % Completed
Subtotal		56% Avg: 56%	
<input type="checkbox"/> GTV (1)	Nidhi	66%	50% Completed
Subtotal		66% Avg: 66%	
<input type="checkbox"/> Kepler (1)	Puja	60%	95% Completed
Subtotal		60% Avg: 60%	
<input type="checkbox"/> Mark Station (3)	Nish	65%	45% Completed
	Rakesh	60%	45% Completed
	Vikash	75%	45% Completed
Subtotal		200% Avg: 67%	

