

# PROJECT MANAGEMENT APP

KULDEEP UPADHYAY

## Phase 5: Apex Programming (Developer)

Goal: Implement advanced logic using Apex where declarative tools are not enough.

- Write Apex classes for task assignment and project scheduling logic.
- Implement triggers to prevent duplicate task assignments.
- Use SOQL queries to fetch real-time project data.
- Apply collections (List, Set, Map) to manage multiple records efficiently.
- Develop Batch Apex to auto-update overdue tasks daily.
- Use Queueable Apex for processing bulk task updates asynchronously.
- Implement Future methods for API callouts to external systems.
- Include robust exception handling for errors in processes.
- Write test classes ensuring at least 75% code coverage.

Create Formula Field (Object: Project)

Field Label

Remaining Hours

Field Name

Remaining\_Hours

Description

Help Text

This text displays on detail and edit pages when users hover over the Info icon next to this field.

Return Type

Number

Decimal Places

2

Formula

Select Field Type

Project

Insert Field

-- Insert Merge Field --

Insert Operator

Total Hours\_c - Hours Worked To Date\_c

Use formula syntax. Enclose text and picklist value API names in double quotes: ("the\_text"), include numbers without quotes: (25), show percentages as decimals: (0.10), and express date calculations in the standard format: (Today() + 7)

Blank Fields

☒ Treat blank fields as zeroes

☐ Treat blank fields as blanks

Save

Cancel

Functions

-- All Function Categories --

ABS

ACOS

ADDMONTHS

AND

ASCII

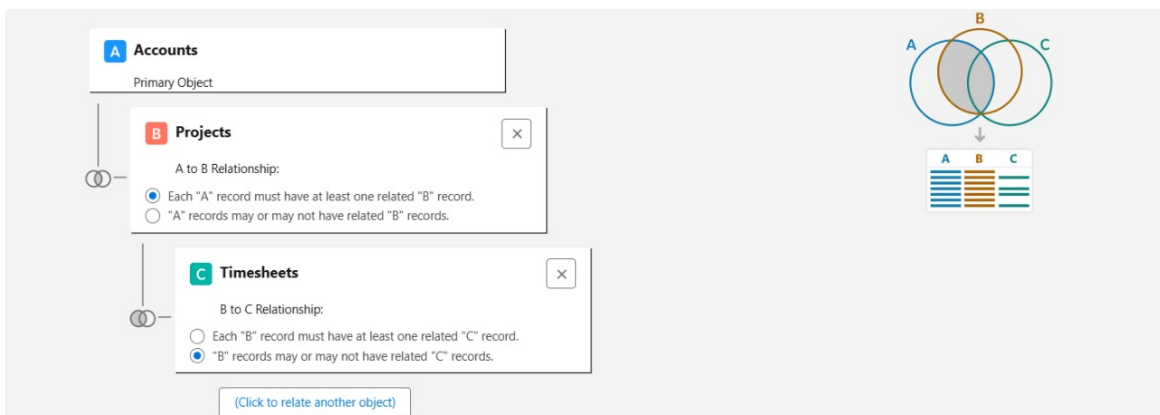
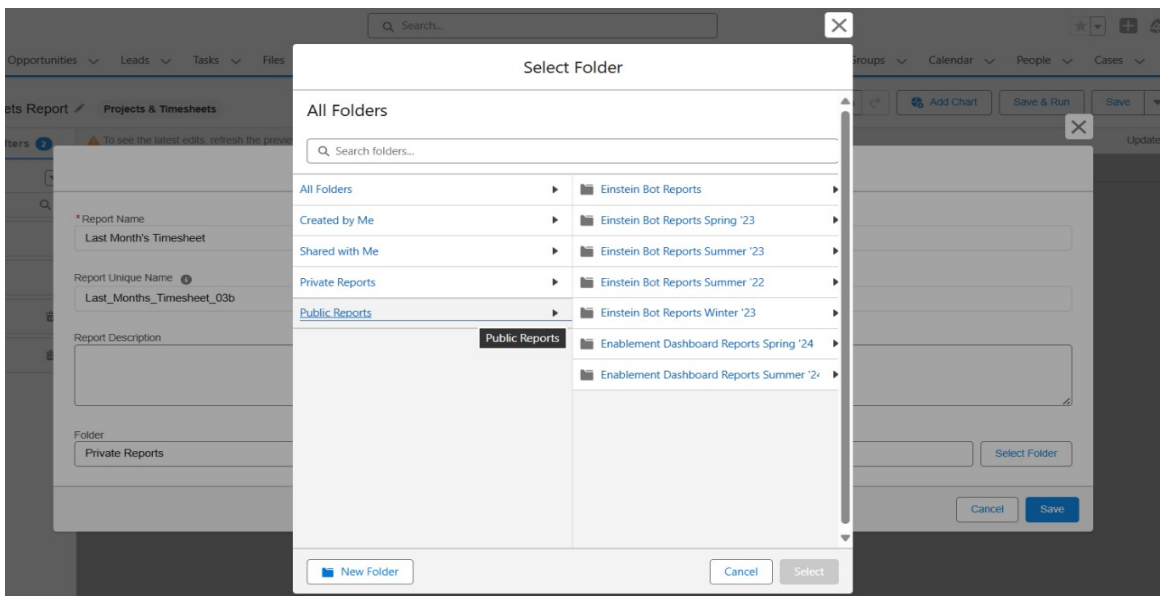
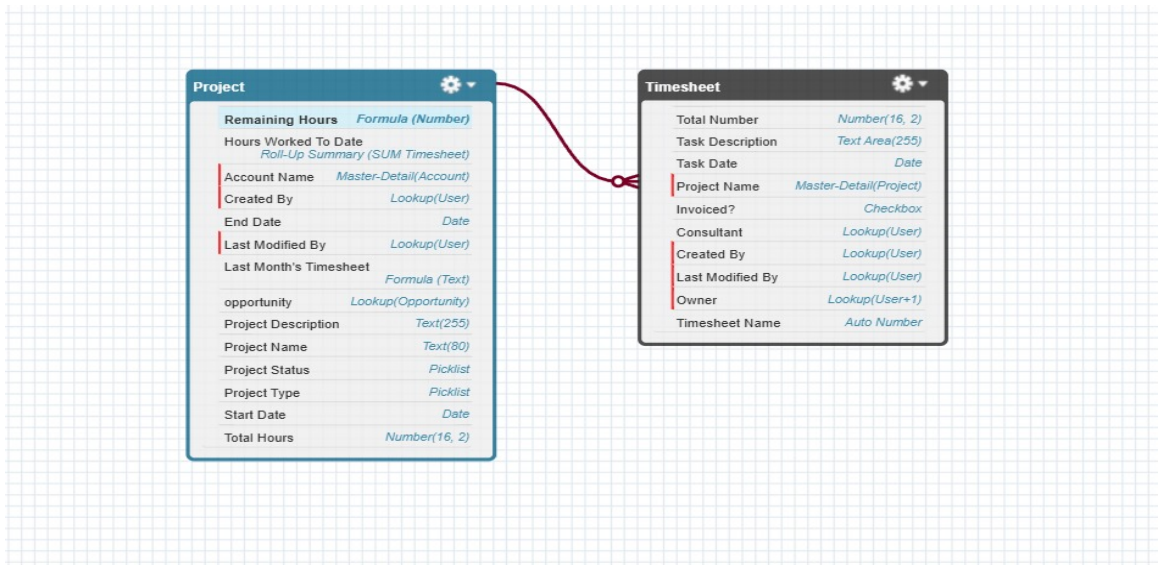
ASIN

Insert Selected Function

ABS(number)

Returns the absolute value of a number, a number without its sign

[Help on this function](#)



## Projects & Timesheets

[Preview Layout](#) [Edit Layout](#) [Clone](#) [Delete](#) [Close](#)

Below is the information for this custom report type. You can click the buttons on this to preview or update information for the custom report type

### Details

**Display Label** Projects & Timesheets

**API Name** Projects\_Timesheets

**Description** Custom reports type to access the project and timesheet fields

**Created By** KULDEEP UPADHYAY, 25/09/25, 4:47 pm

**Store in Category** accounts

**Deployment Stat...** Deployed

**Modified By** KULDEEP UPADHYAY, 25/09/25, 4:47 pm

### Object Relationships

Accounts (A)

with at least one related record from Projects (B)

with or without related records from Timesheets (C)

A	B	C

### Fields

Source Object	Included Fields
Accounts	63
Projects	17
Timesheets	12

## New Lightning App

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

### App Details

\* App Name ⓘ

\* Developer Name ⓘ

Description ⓘ

### App Branding

Image ⓘ

Primary Color Hex Value ⓘ

Org Theme Options  
☐ Use the app's image and color instead of the org's custom theme

### App Launcher Preview

