PROJECTFILES

Date	25June2025
TeamID	LTVIP2025TMID31104
ProjectName	Field Service Work Order Optimization

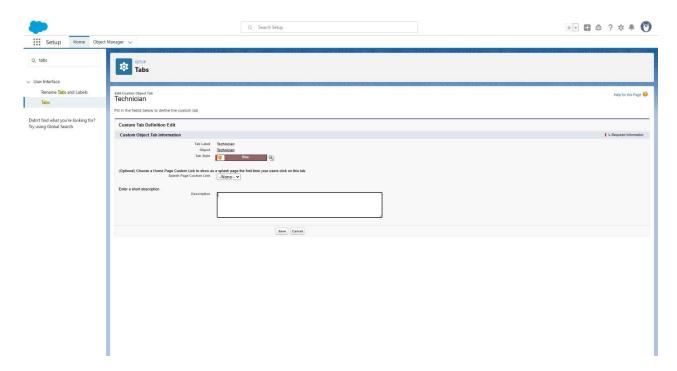
Custom Salesforce Objects:

- Technician
- WorkOrder
- Assignment

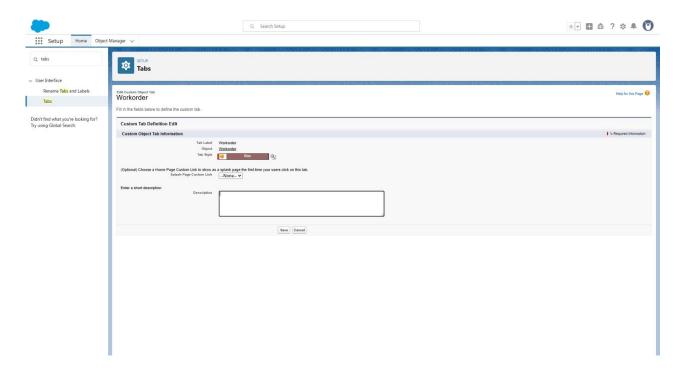
Custom Tabs and Lightning App:

• Tabs created for: Technician, WorkOrder, Assignment

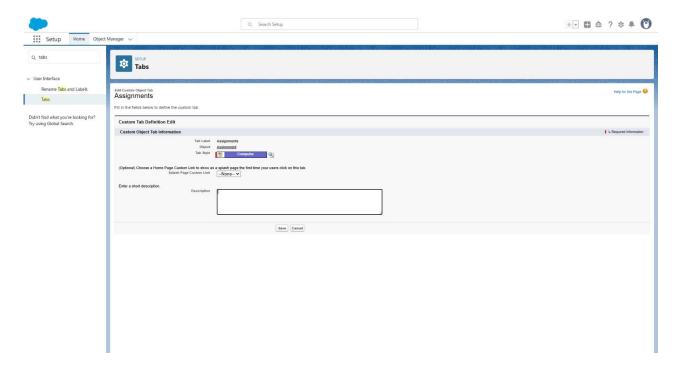
Technician Tab:



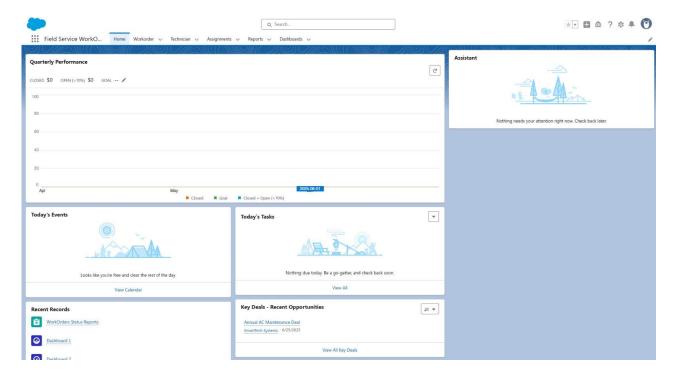
WorkOrder Tab:



Assignment Tab:



- Lightning App: Field Service WorkOrder Optimization
 - o Navigation items: Home, WorkOrder, Technician, Assignment, Reports, Dashboard



Apex Code:

Apex Triggers:

- WorkOrderTrigger
 - o After Insert: Assign technician
 - o After Update: Send completion email

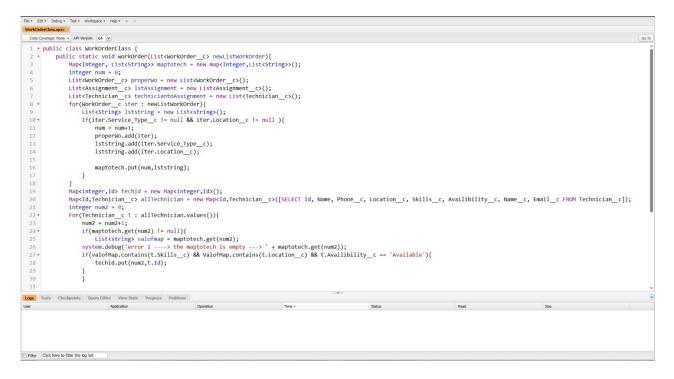


- AssignmentTrigger
 - o After Insert: Send assignment email to technician

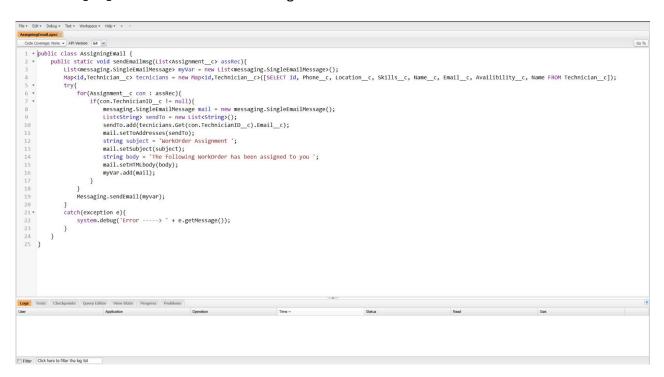


Apex Classes:

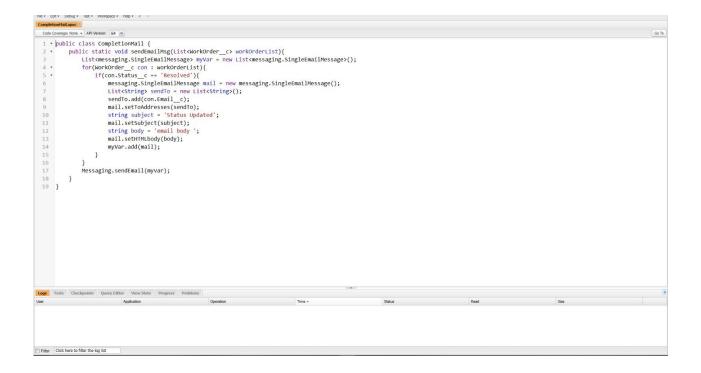
• WorkOrderClass: Handles technician assignment logic



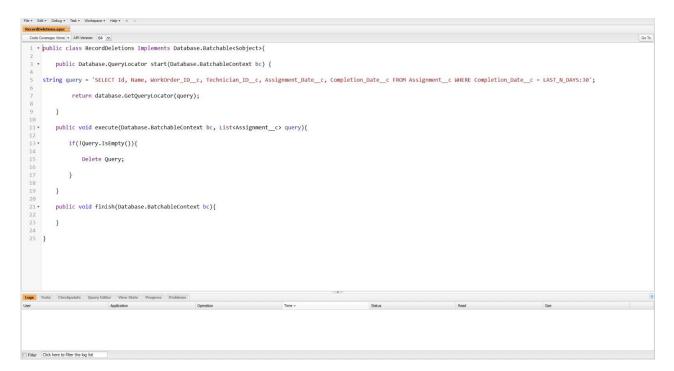
AssigningEmail: Sends technician assignment email



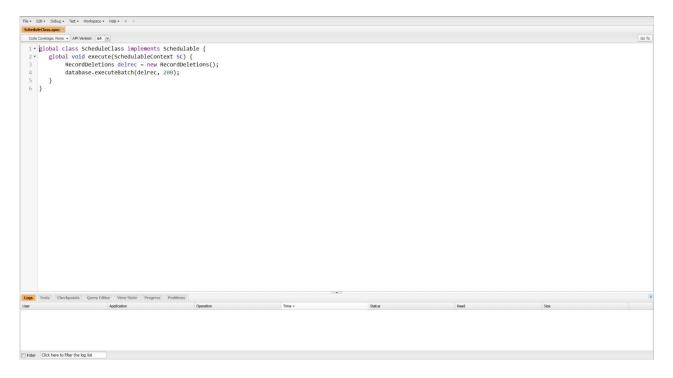
• CompletionMail: Sends work completion email to customer



RecordDeletions: Batch class to delete old resolved assignments

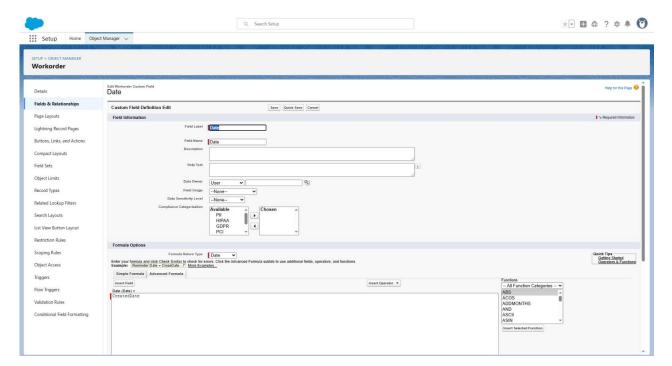


• ScheduleClass: Schedules the batch deletion monthly

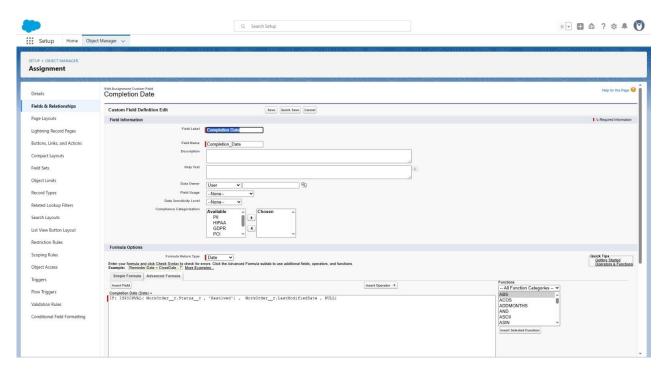


Formula Fields:

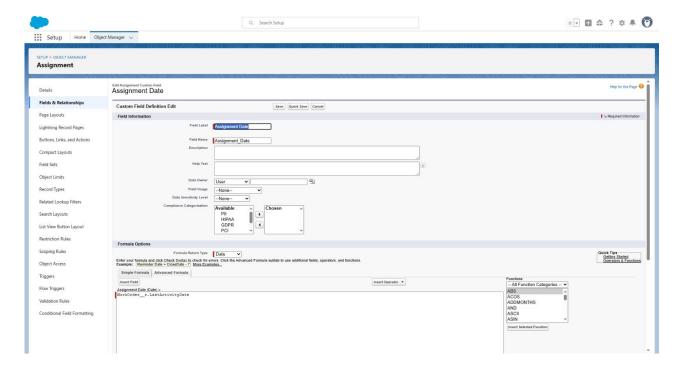
WorkOrder.Date: Formula field (return type: Date) = CreatedDate



Assignment.Completion_Date: Conditional formula based on WorkOrder status



• Assignment.Assignment_Date: Formula from WorkOrder's date



Scheduler:

Scheduled Job: Runs monthly using ScheduleClass

