

PROJECT TITLE: TRIPADVISOR E-MANAGEMENT

TEAM MEMEBERS :

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Create Object:

The screenshot shows the Salesforce Object Manager interface for the 'Flight' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Fields & Relationships' and shows a table of fields for the 'Flight' object. The table has columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Created By (CreatedById, Lookup(User)), DepartureDateTime (DepartureDateTime_c, Lookup(Hotel)), Flight Name (Name, Auto Number), Last Modified By (LastModifiedById, Lookup(User)), Name (Name_c, Date/Time), and Owner (OwnerId, Lookup(User,Group)).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
DepartureDateTime	DepartureDateTime_c	Lookup(Hotel)		✓
Flight Name	Name	Auto Number		✓
Last Modified By	LastModifiedById	Lookup(User)		
Name	Name_c	Date/Time		
Owner	OwnerId	Lookup(User,Group)		✓

Service Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER

Customer

Details

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
Created By	CreatedById	Lookup(User)		
Customer Name	Customer_Name__c	Text(50)		
Customer Name	Name	Text(80)		✓
Discount Amount	Discount_Amount__c	Currency(18, 0)		
Discount Percent	Discount_Percent__c	Percent(18, 0)		
Email__c	Email_c_c	Email		
Last Modified By	LastModifiedById	Lookup(User)		

Food Option :

Service Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER

Food Option

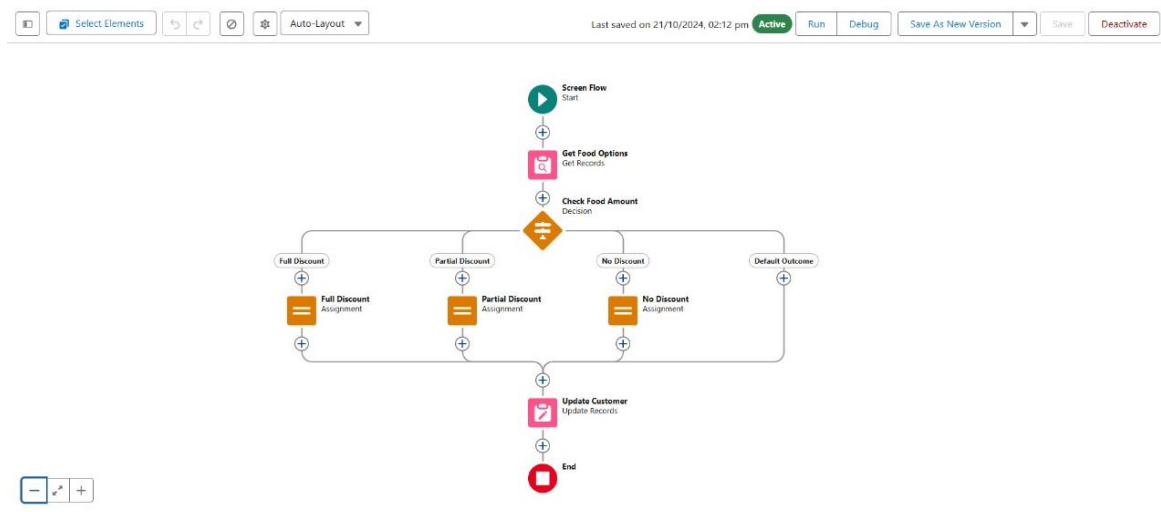
Details

Fields & Relationships
7 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
Created By	CreatedById	Lookup(User)		
Food Amount	Food_Amount__c	Currency(18, 0)		
Food Option Name	Name	Auto Number		✓
Hotel	Hotel__c	Lookup(Hotel)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Name	Name__c	Text(50)		
Owner	OwnerId	Lookup(User,Group)		✓

Create Flow :



Apex Triggers :

```

File Edit Debug Test Workspace Help < >
FoodOptionTrigger.apxt FoodOptionTriggerHandler.apxc
Code Coverage: None API Version: 62 Go To

1 trigger FoodOptionTrigger on Food_Option__c (after insert, after update, after delete, after undelete) {
2
3     if (Trigger.isAfter) {
4         if (Trigger.isInsert || Trigger.isUpdate || Trigger.isUndelete) {
5             FoodOptionTriggerHandler.updateHotelInformation(Trigger.new);
6         }
7         if (Trigger.isDelete) {
8             FoodOptionTriggerHandler.updateHotelInformation(Trigger.old);
9         }
10    }
11 }
  
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Name	Line	Problem
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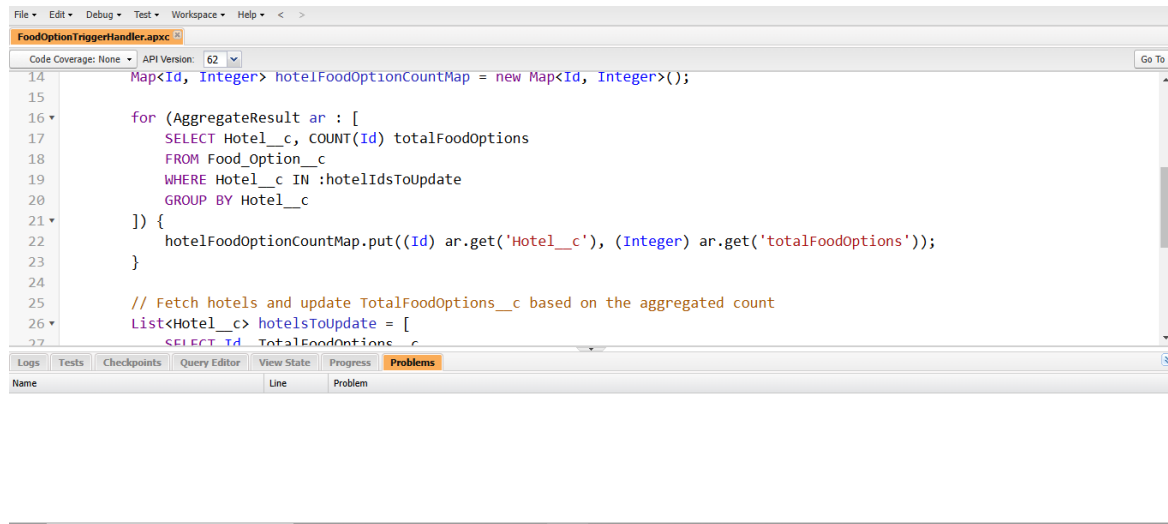
```

File Edit Debug Test Workspace Help < >
FoodOptionTrigger.apxt FoodOptionTriggerHandler.apxc
Code Coverage: None API Version: 62 Go To

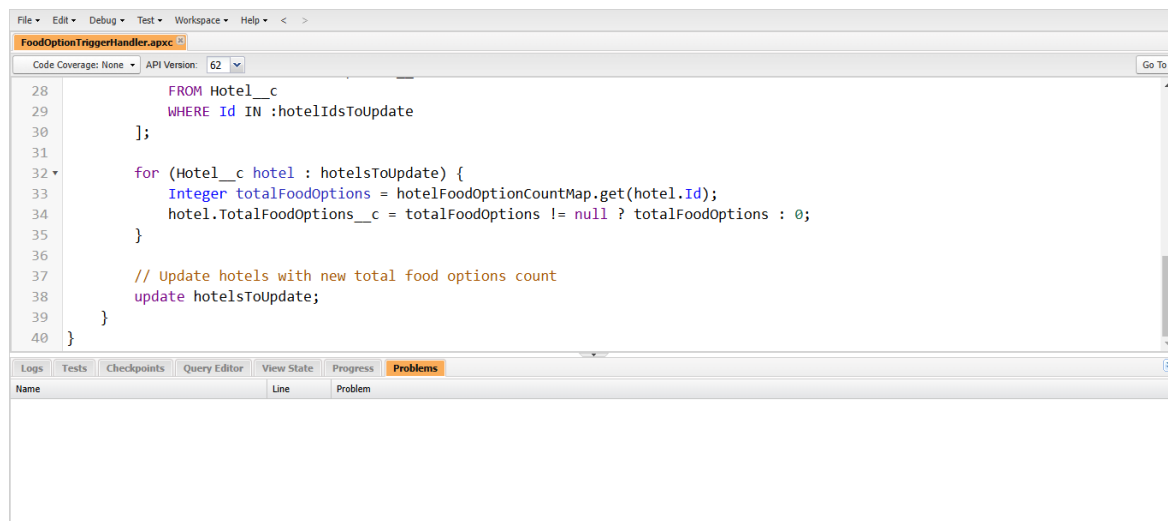
1 public class FoodOptionTriggerHandler {
2
3     // Method to update hotel information based on food options
4     public static void updateHotelInformation(List<Food_Option__c> foodOptions) {
5
6         Set<Id> hotelIdsToUpdate = new Set<Id>();
7
8         // Collect unique Hotel Ids affected by food options changes
9         for (Food_Option__c foodOption : foodOptions) {
10             hotelIdsToUpdate.add(foodOption.Hotel__c);
11         }
12
13         // Aggregate the total food options count for each hotel in one query
  
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Name	Line	Problem
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```
File Edit Debug Test Workspace Help < >
FoodOptionTriggerHandler.apxc
Code Coverage: None API Version: 62 Go To
14 Map<Id, Integer> hotelFoodOptionCountMap = new Map<Id, Integer>();
15
16 for (AggregateResult ar : [
17     SELECT Hotel__c, COUNT(Id) totalFoodOptions
18     FROM Food_Option__c
19     WHERE Hotel__c IN :hotelIdsToUpdate
20     GROUP BY Hotel__c
21 ]) {
22     hotelFoodOptionCountMap.put((Id) ar.get('Hotel__c'), (Integer) ar.get('totalFoodOptions'));
23 }
24
25 // Fetch hotels and update TotalFoodOptions__c based on the aggregated count
26 List<Hotel__c> hotelsToUpdate = [
27     SELECT Id, TotalFoodOptions__c
```



```
File Edit Debug Test Workspace Help < >
FoodOptionTriggerHandler.apxc
Code Coverage: None API Version: 62 Go To
28 FROM Hotel__c
29 WHERE Id IN :hotelIdsToUpdate
30 ];
31
32 for (Hotel__c hotel : hotelsToUpdate) {
33     Integer totalFoodOptions = hotelFoodOptionCountMap.get(hotel.Id);
34     hotel.TotalFoodOptions__c = totalFoodOptions != null ? totalFoodOptions : 0;
35 }
36
37 // Update hotels with new total food options count
38 update hotelsToUpdate;
39 }
40 }
```

Apex Schedule :

