PROJECT TITLE: TRIPADVISOR E-MANAGEMENT
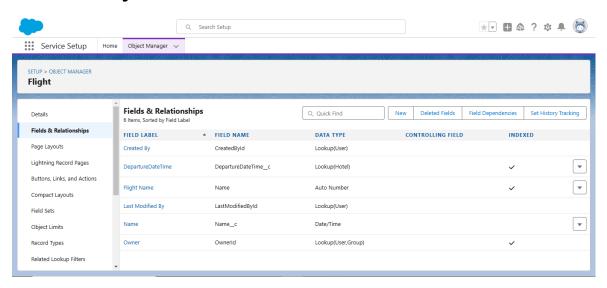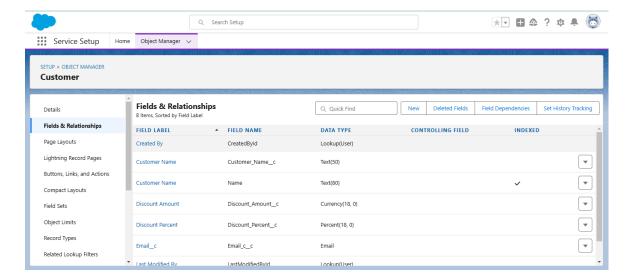
TEAM MEMEBERS :
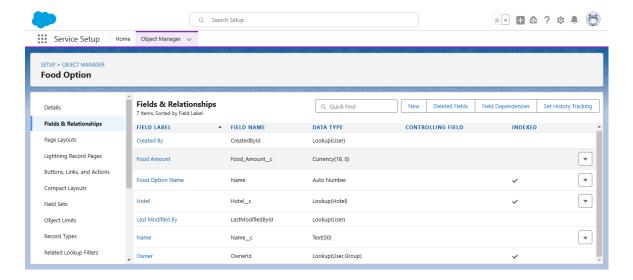
1. ANUSHAA B
2. REVATHI R
3. THENMOZHI J
4. JANANI P

Create Object:

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)		✓

Food Option :

Create Flow :

Apex Triggers :


```apex
trigger FoodOptionTrigger on Food_Option__c (after insert, after update, after delete, after undelete) {

    if (Trigger.isAfter) {
        if (Trigger.isInsert || Trigger.isUpdate || Trigger.isUndelete) {
            FoodOptionTriggerHandler.updateHotelInformation(Trigger.new);
        }
        if (Trigger.isDelete) {
            FoodOptionTriggerHandler.updateHotelInformation(Trigger.old);
        }
    }
}
```



```apex
public class FoodOptionTriggerHandler {

    // Method to update hotel information based on food options
    public static void updateHotelInformation(List<Food_Option__c> foodOptions) {

        Set<Id> hotelIdsToUpdate = new Set<Id>();

        // Collect unique Hotel Ids affected by food options changes
        for (Food_Option__c foodOption : foodOptions) {
            hotelIdsToUpdate.add(foodOption.Hotel__c);
        }

        // Aggregate the total food options count for each hotel in one query
```

```
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
```

```
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 :

```
1 ▾ global class FlightReminderScheduledJob implements Schedulable {
2
3       // The execute method is required for classes implementing Schedulable
4 ▾     global void execute(SchedulableContext sc) {
5           // Place your logic here, such as sending reminders
6           System.debug('Executing Flight Reminder Job');
7           // Add the logic for sending flight reminders here
8       }
9   }
```

```
1 ▾ global class FlightReminderScheduledJob implements Schedulable {
2
3       // The execute method is required for classes implementing Schedulable
4 ▾     global void execute(Sche    Enter Apex Code                              ▲ ✕
5           // Place your logic       1   // Schedule the job to run every day at a specific time (e.g.,
6           System.debug('Execut      2
7           // Add the logic for      3   String cronExp = '0 0 6 * * ?';
8       }                             4
9   }                                 5
                                      6   System.schedule('FlightReminderJob', cronExp, new FlightRemind
```