AIRLINES MANAGEMENT SYSTEM

Team ID : LTVIP2024TMID11598

Team Size : 4

Team Leader : P HARIPRASATH

Team member : R YUVARAJ

Airlines Management System

Hardware Required:

laptops

System Required:

Windows 8 machine Install with two web browser Bandwidth of 30mbps

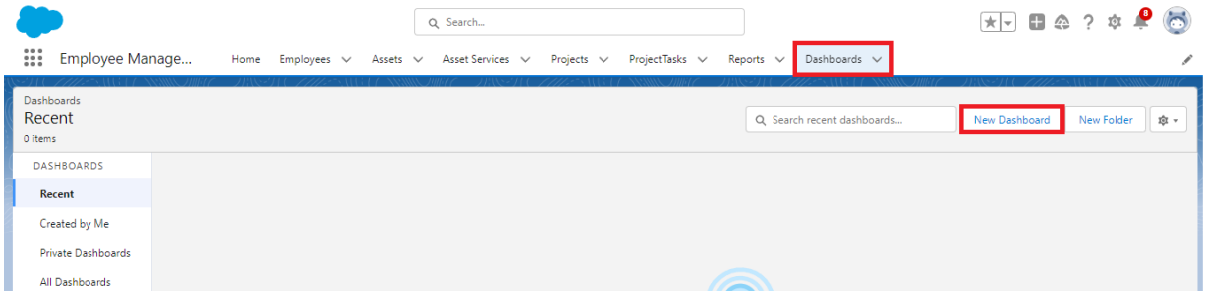
This project aims to enhance the efficiency and effectiveness of managing flights, reservations, and passenger information. The system enables airlines to manage their fleet, schedule flights, allocate seats, and handle bookings seamlessly. It provides functionalities for ticket reservations, seat availability checks, passenger check-ins, and baggage handling. Additionally, the system facilitates communication between airlines, airports, and passengers through automated notifications and alerts. With its user-friendly interface and robust database management, the Airlines Management System optimizes workflow, improves customer satisfaction, and ensures smooth operations for the entire airline industry.

MILESTONE 11 : DASHBOARDS

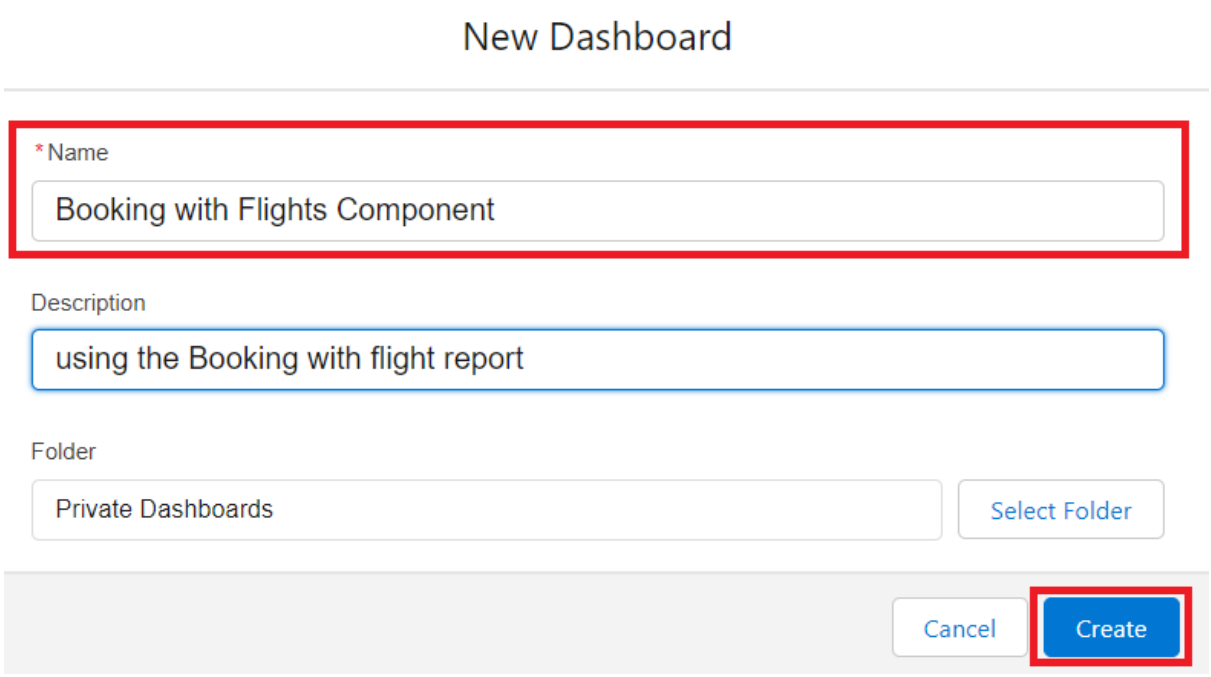
Activity 1

Create Dashboard

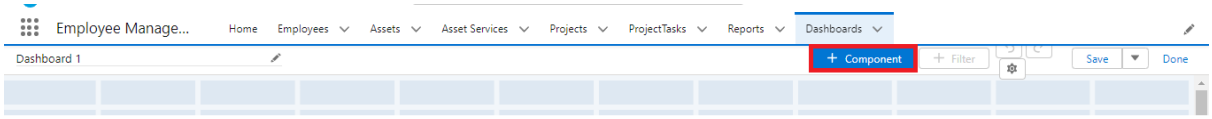
1. Go to the app --> click on the Dashboards tabs.



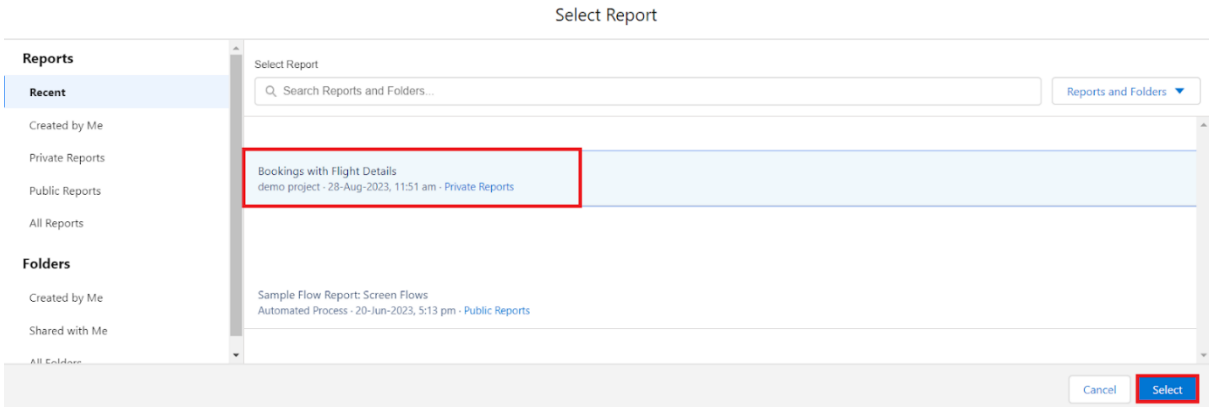
2. Give a Name and click on Create.



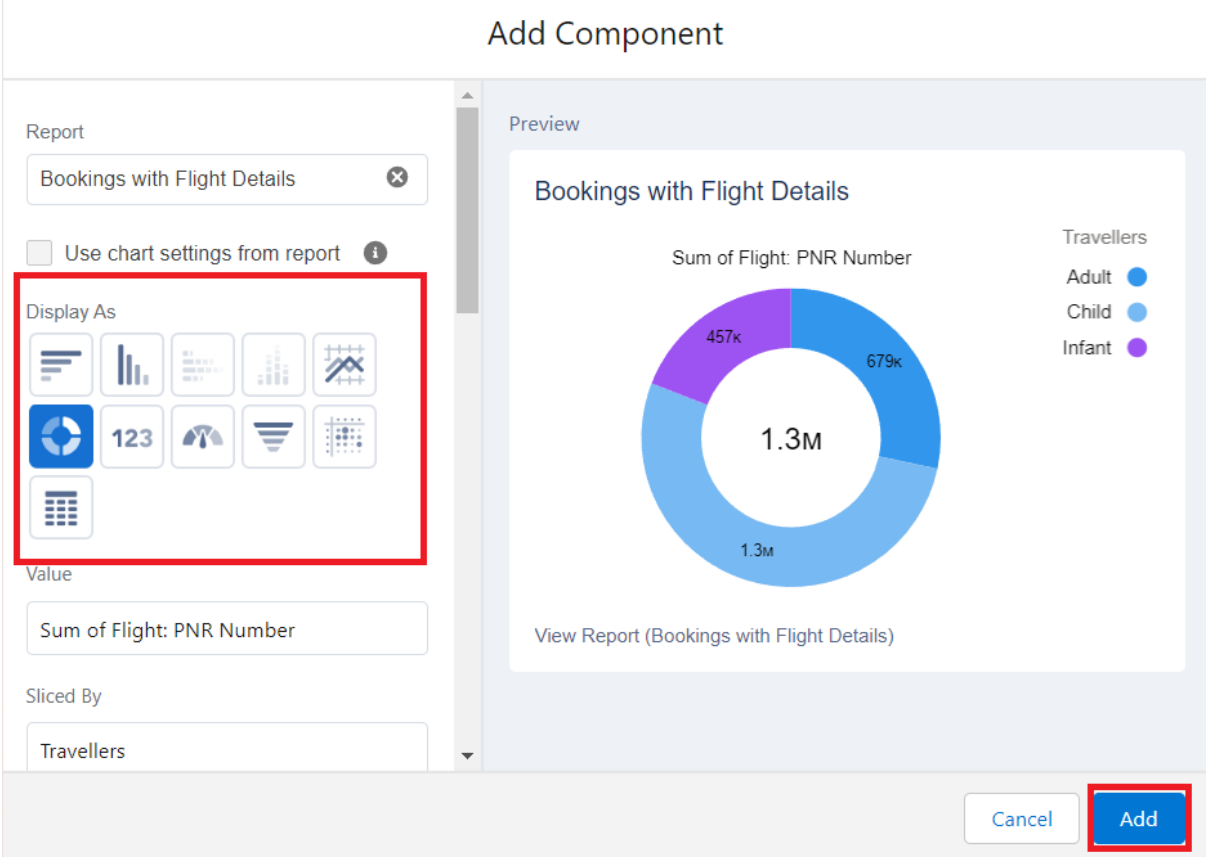
3. Select add component.



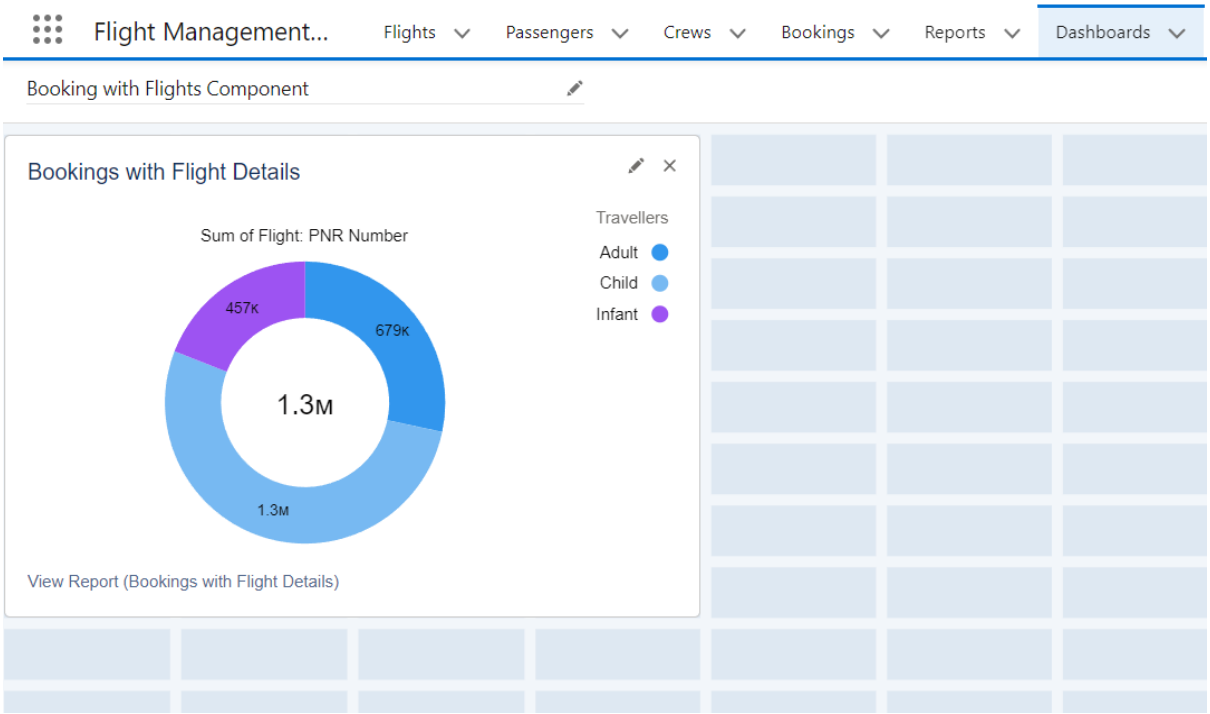
4. Select a Report and click on select.



5. Select the Donut option under display as and click on Add.



6. Your dashboard display as below:



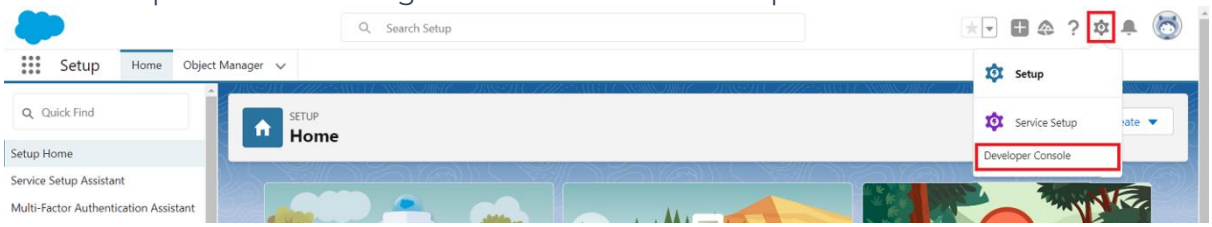
Activity 2

Create two more Dashboards using the reports which we have created in the milestone 10 activity 2.

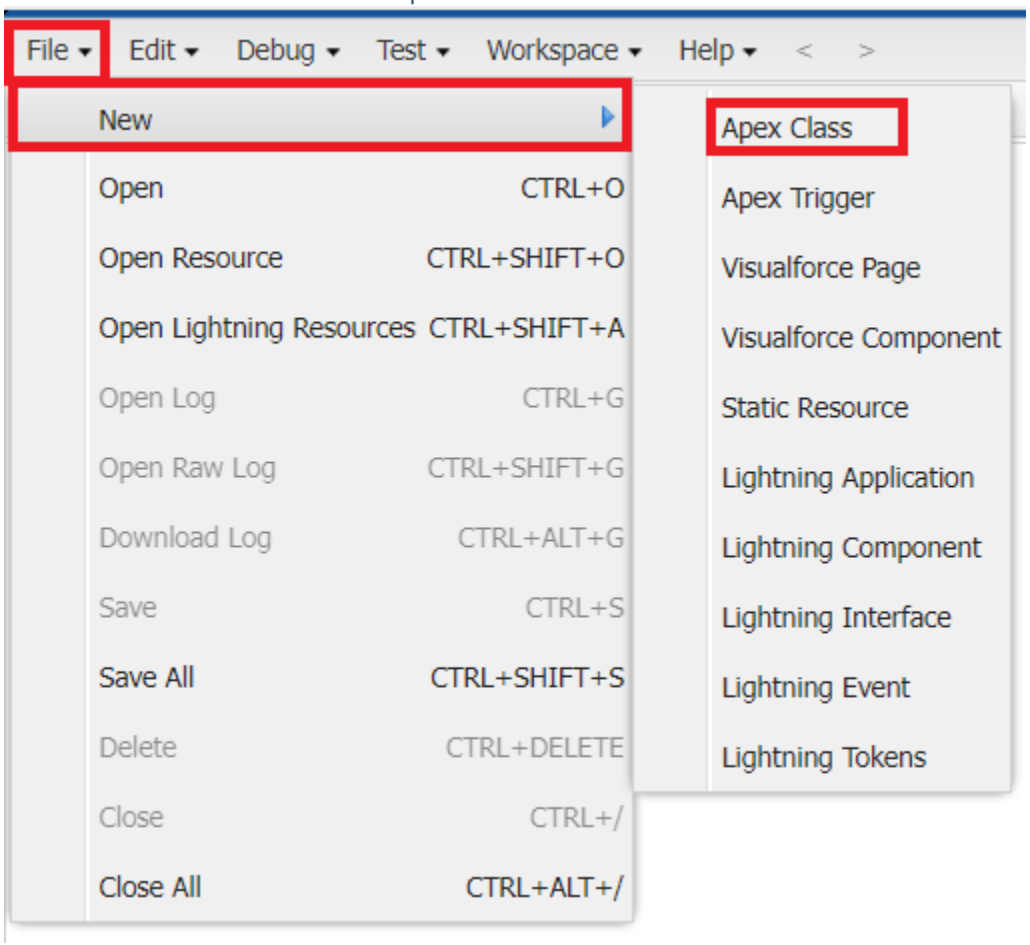
MILESTONE 12: APEX

Activity 1 : Create An Apex Class

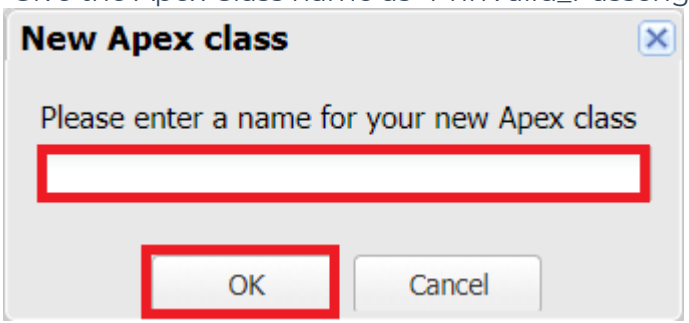
1. Go to Setup --> Click on the gear icon --> Select Developer Console.



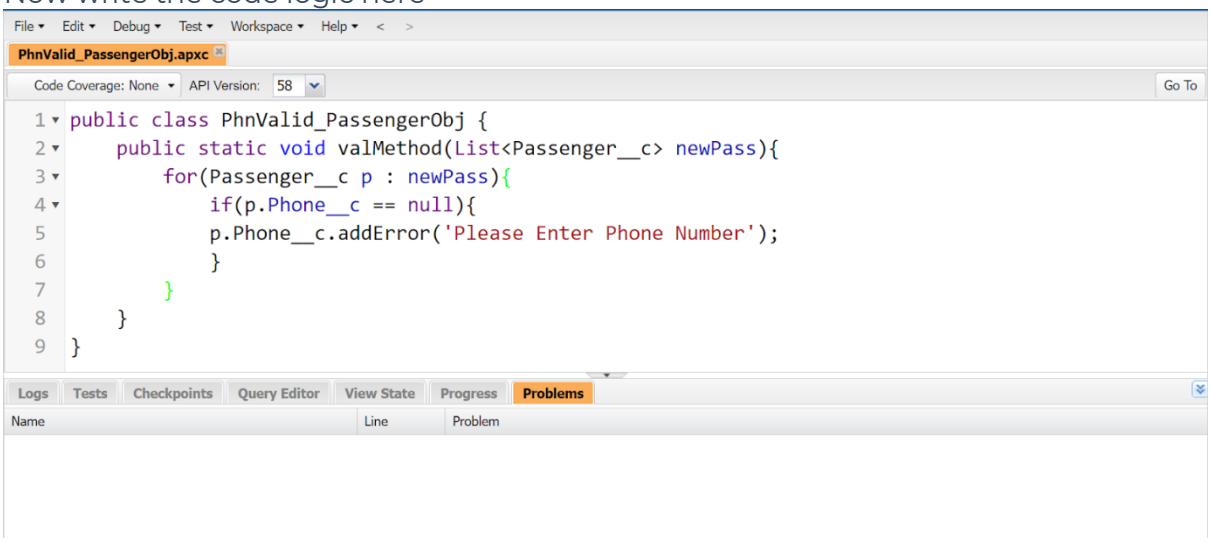
2. Then we can see the Developer console. Click on the developer console and you will navigate to a new console window.
3. To create a new Apex Class follow the below steps:
   Click on the file --> New --> Apex Class.



4. Give the Apex Class name as “PhnValid_PassengerObj”.



5. Click ok.
6. Now write the code logic here



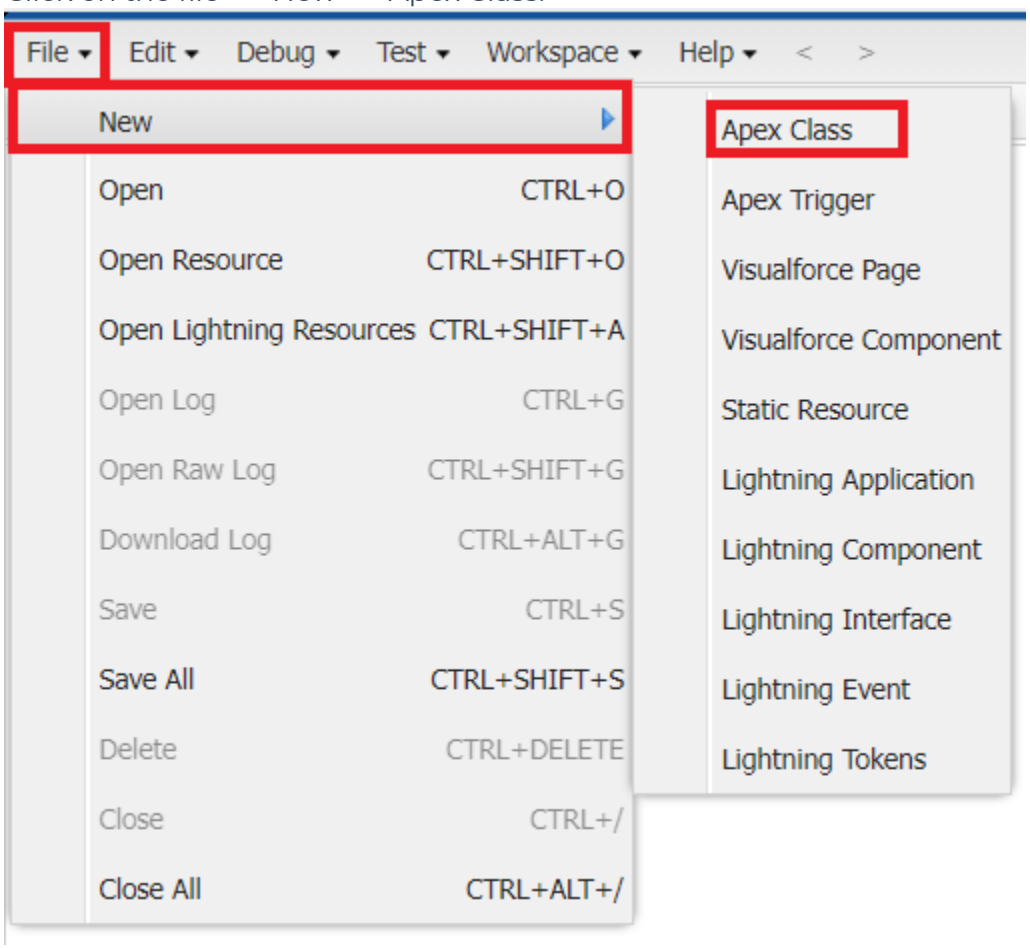
Source Snippet:

```
public class PhnValid_PassengerObj {
public static void valMethod(List<Passenger__c> newPass){
        for(Passenger__c p:newPass){
                if(p.Phone__c==null){
                        p.Phone__c.addError('please Enter phone Number');
                }
        }
        }
}
```

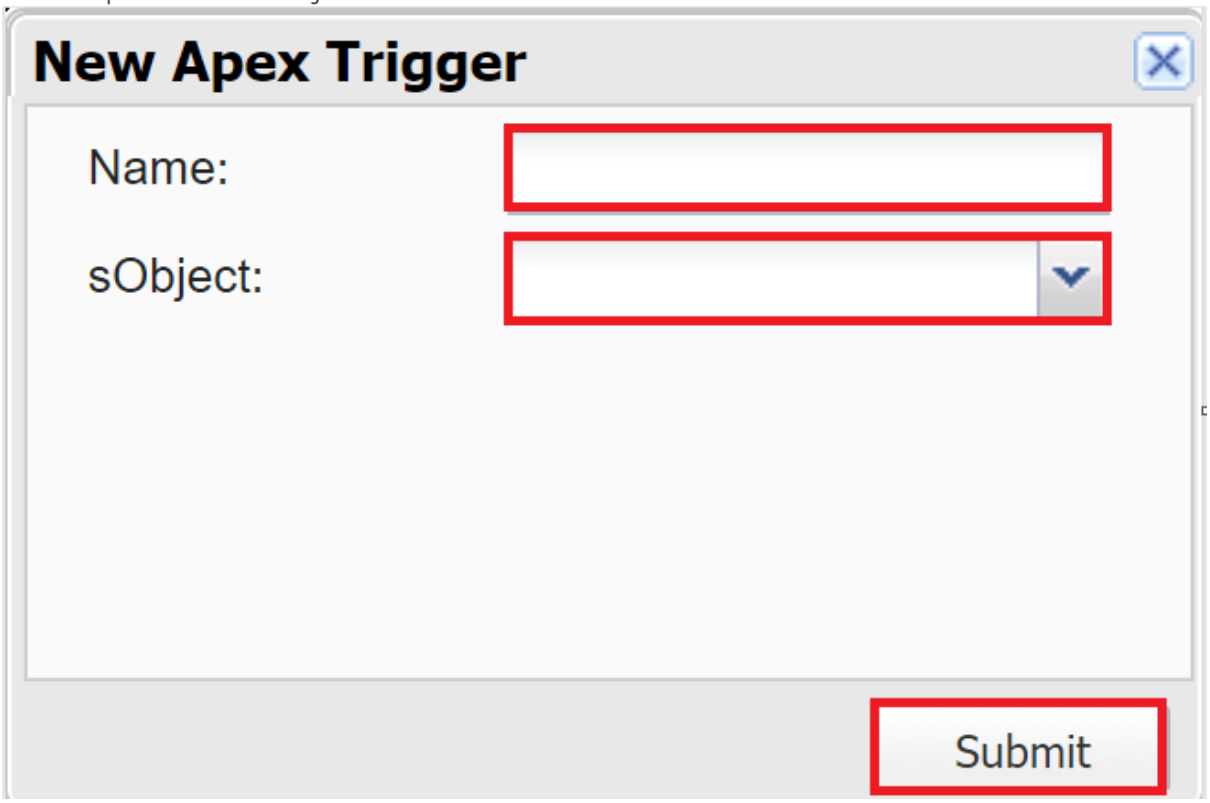
7. Save the code.(click on file --> Save)

Activity 2 : Create An Apex Trigger

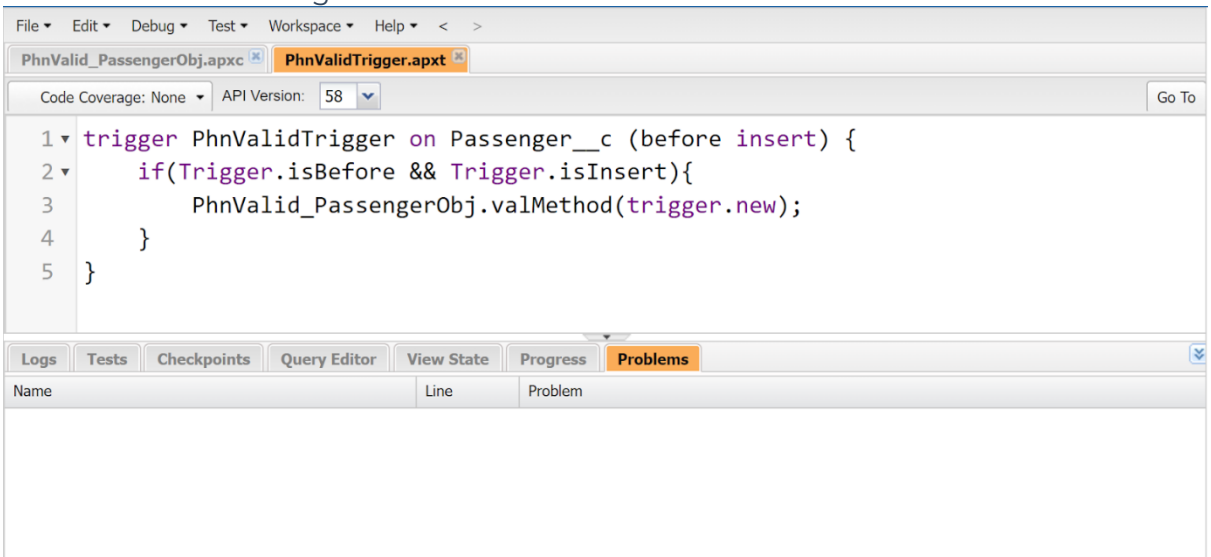
1. To create a new Apex Class follow the below steps:
   Click on the file --> New --> Apex Class.



2. Give the Apex Trigger name as “PhnValidTrigger”, and select “Passenger__c” from the dropdown for sObject.



3. Click Submit.
4. Now write the code logic here



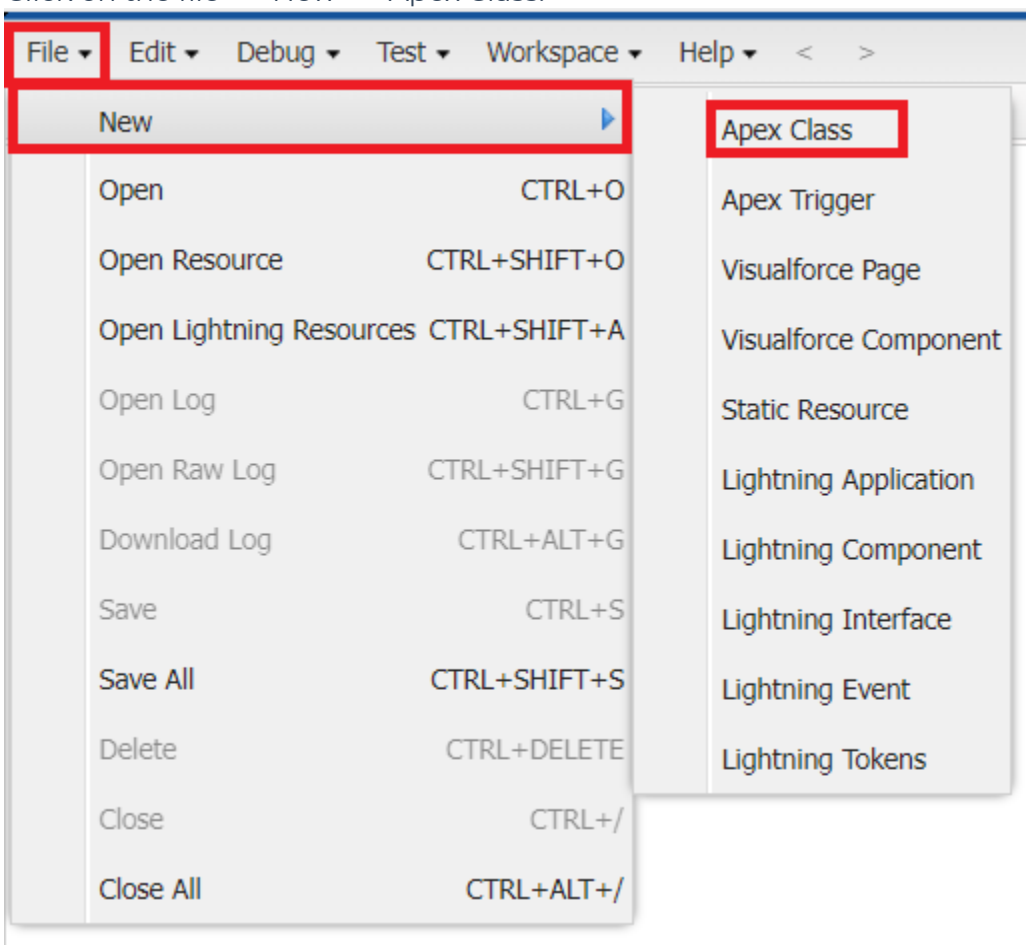
Source Code:

```
trigger PhnValidTrigger on passenger__c (before insert) {
if(trigger.isBefore && trigger.isInsert){
        PhnValid_PassengerObj.valMethod(trigger.new);
        }
}
```

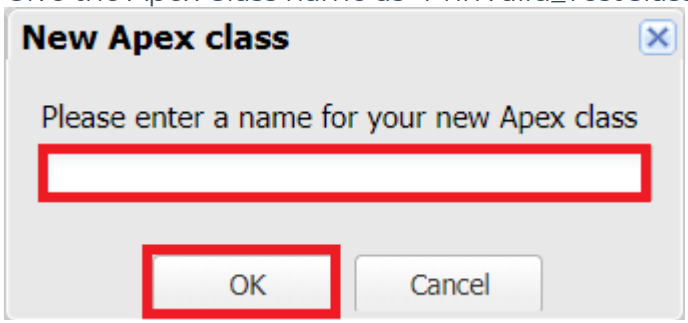
5. Save the code.(click on file --> Save)

Activity 3 : Create An Apex Test Class

1. To create a new Apex Class follow the below steps:
   Click on the file --> New --> Apex Class.

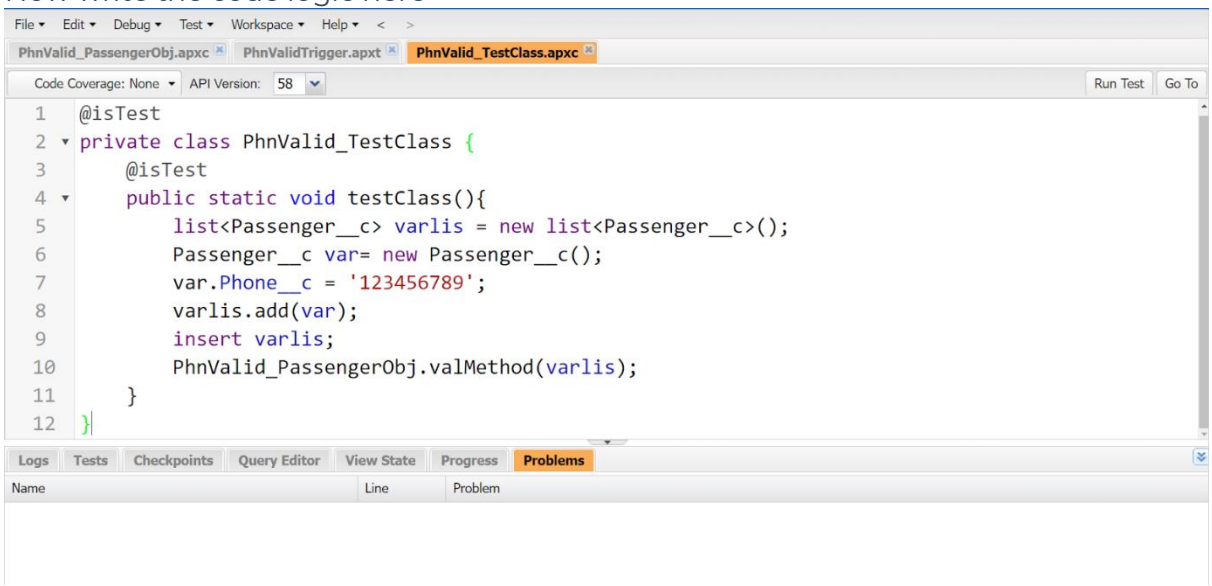


2. Give the Apex Class name as “PhnValid_TestClass”.



3. Click ok.

4. Now write the code logic here

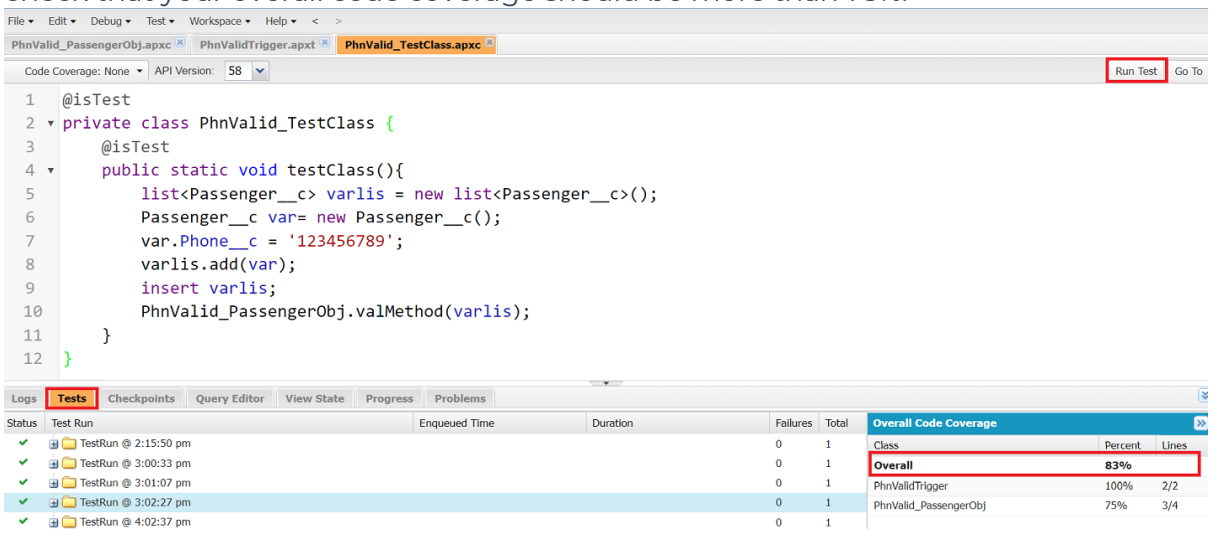


Source Code:

```
@isTest
public class PhnValid_TestClass {
   @isTest
   public static void testClass(){
      list <Passenger__c> varlis = new list<Passenger__c>();
      Passenger__c var = new Passenger__c();
      var.Phone__c = null;
      varlis.add(var);
      insert varlis;
      PhnValid_PassengerObj.valMethod(varlis);
   }
}
```

5. Save the code.(click on file --> Save).

6. Click on “Run Test” and then click on Test under the terminal section and do check that your overall code coverage should be more than 75%.

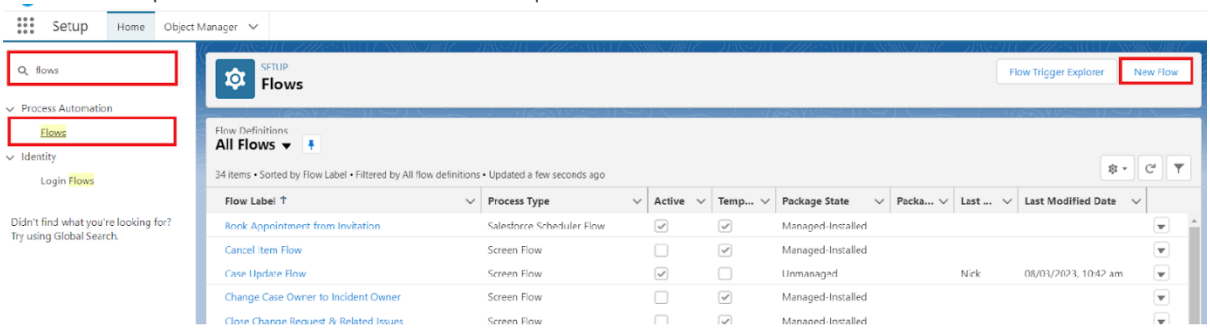


MILESTONE 13 : FLOWS

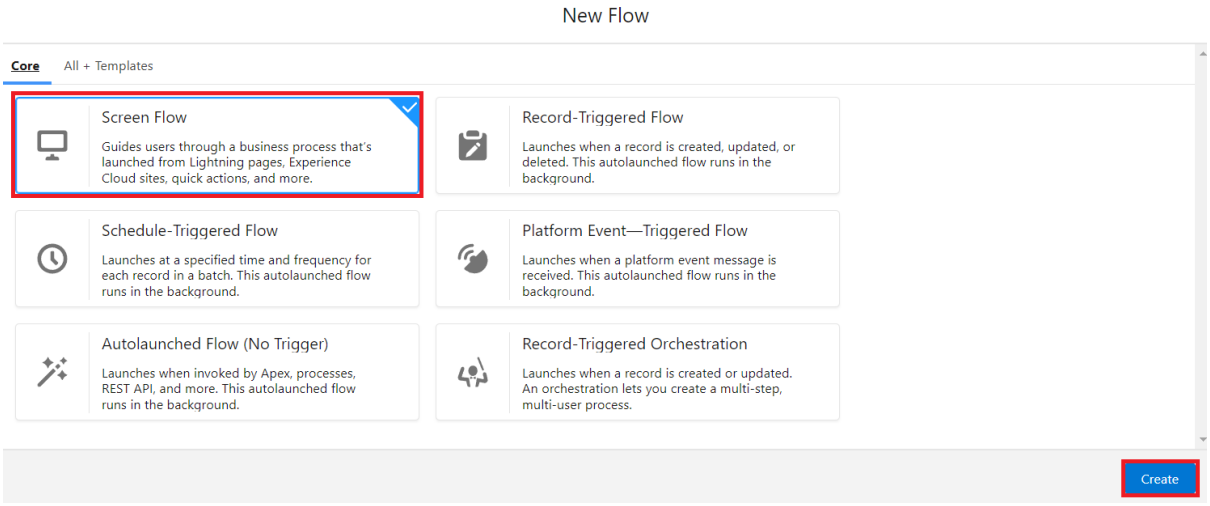
Activity 1 : Creating A Screen Element On Booking Object

Let’s start by creating a screen flow and adding a screen to it.

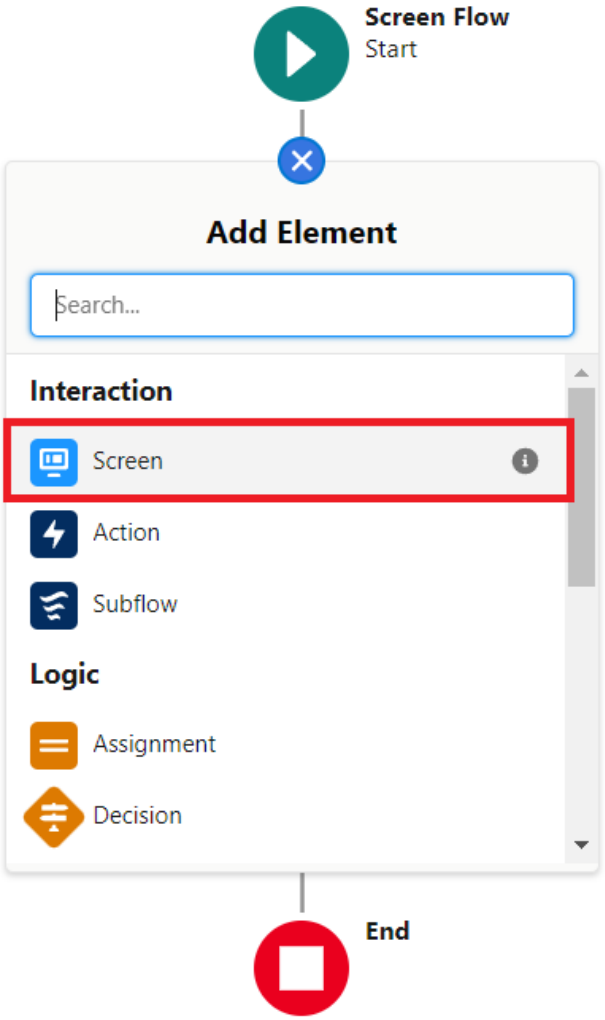
1. From Setup search for the “Flows” in quick find and select “New Flow”.



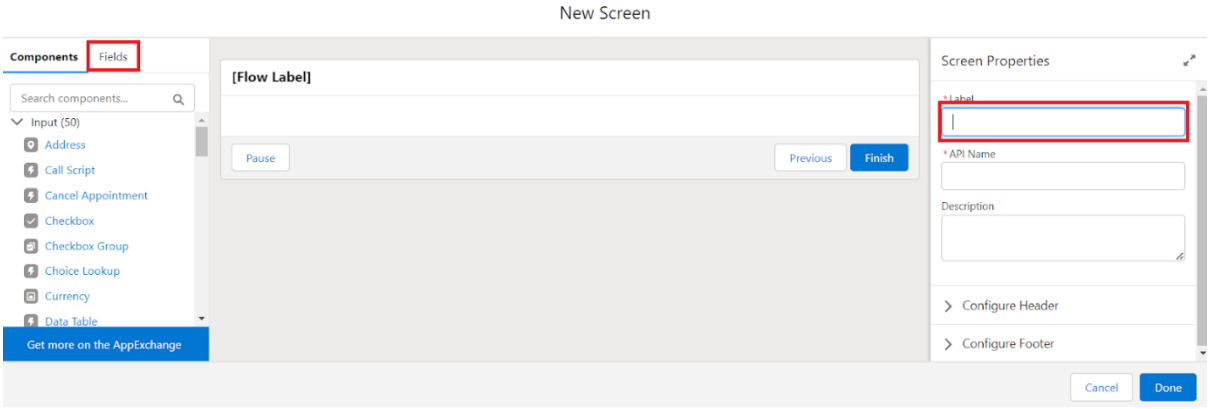
2. Select “Screen Flow” and then click on “Create”.



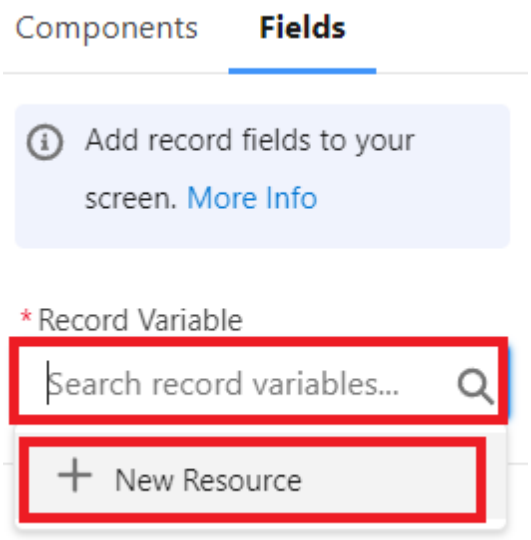
Place the cursor in between the Start and End element, a “+” icon appears, click on that and select “Screen”.



3. Give the label as “Booking Screen”, and select “Fields”.

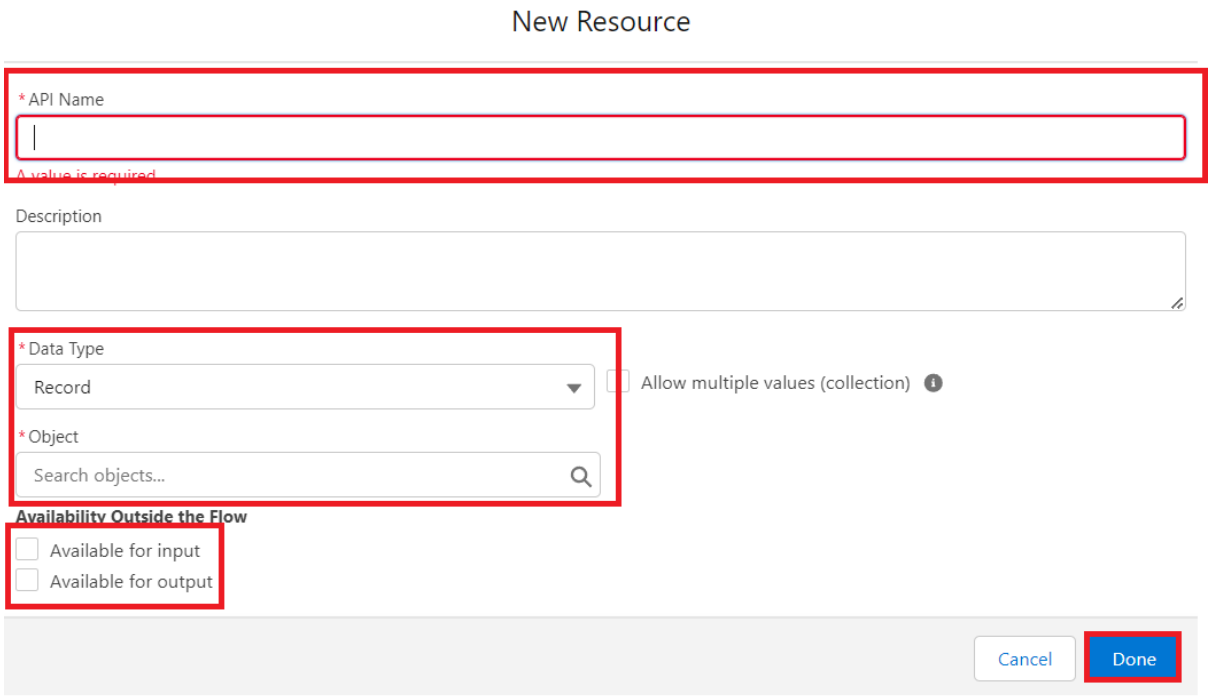


4. Click on the lookup icon in the input field and select “New Resource”.

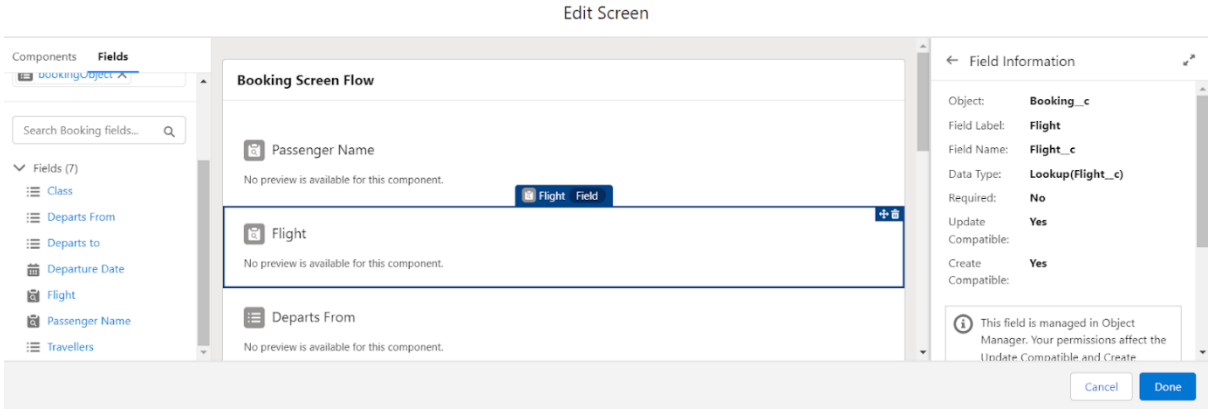


5. Filling the fields as given below:

a. API name : bookingObject
b. Datatype : Record
c. Object : Booking
d. Available for input : Checked
e. Available for output: Checked

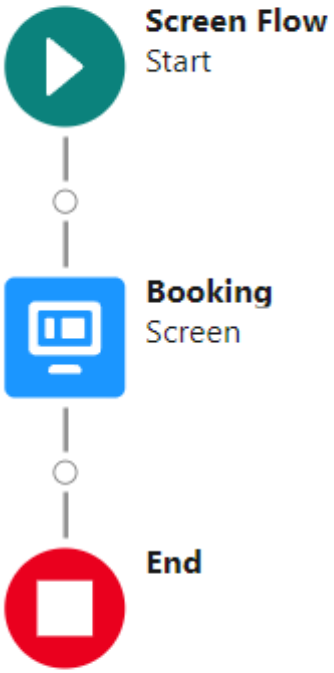


7. Click on done
8. Once you are done with the creation of a resource with the name "bookingObject" go back to step 5 and click on the lookup icon and select "bookingObject" from the list.
9. After selecting "bookingObject" you'll have all the fields which are in the object, drag and drop each field on the screen.
10. Your screen will look like as shown below:



11. Click on done and Save.

12. The flow will look like as shown below.



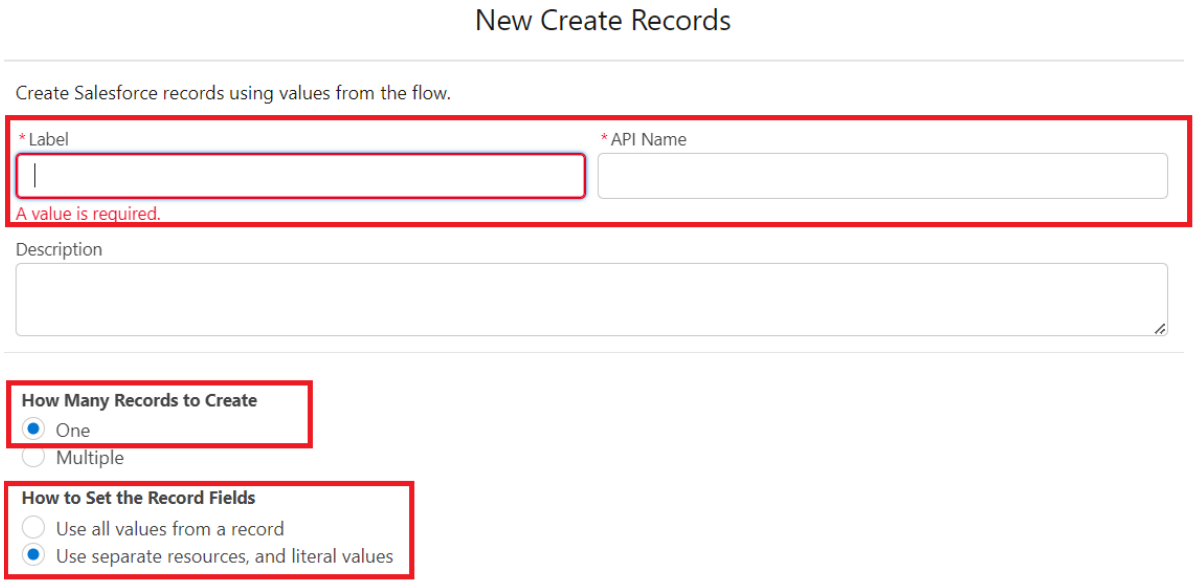
Let's create a "Create Element" and add it to screen flow.

Activity 2 : Creating A Create Element On Booking Object

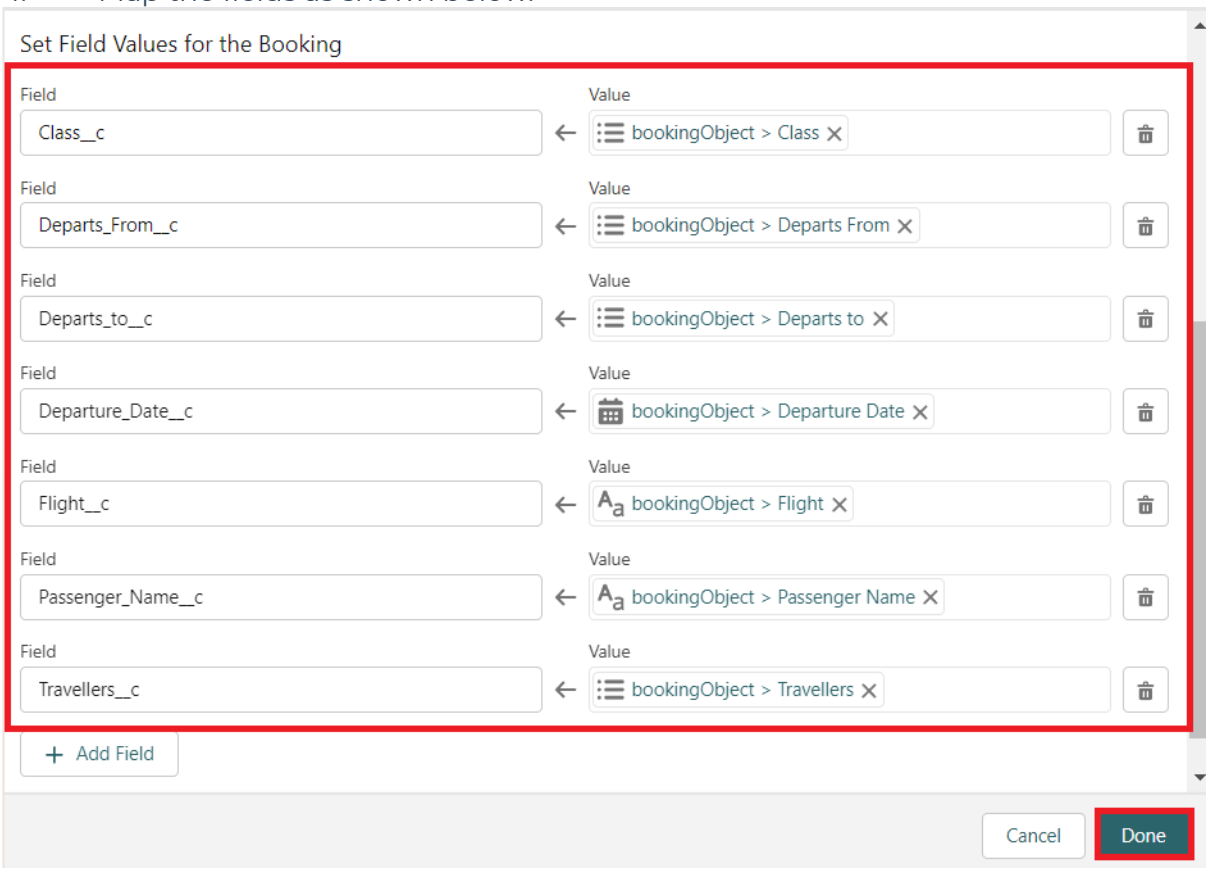
1. In the Create New path, hover over circle and click '+' icon in between booking screen and end.
2. Click Create Records.
3. In the New Create Records window, enter these values.

Field	Value
Label	Create Booking Record
API name	Gets autopopulated
How many records to create	one
How to set the record fields	Use separate resources and literal values

Object	Booking



4. Map the fields as shown below:



5. Click Done.

Activity 3 : Creating A Success Screen Element

1. In the Create New path, hover over circle and click '+' icon in between Create Booking Record and end.
2. Click the Screen element.
3. Give a label name as “SuccessScreen”.
4. From components search “Display text” and drag that component in the canvas and give an API Name as “SuccessMessage”.
5. Inside the text area copy this message.

   We are happy to inform you that your booking for [tour name] is confirmed! Get ready to create some unforgettable memories. We’ve made things easy for you and included all of your booking details in this very email. All you need to do is show us this email on the day you arrive, and you’ll be good to go!

   Date: {!bookingObject.Departure_Date__c}

   Departs from: {!bookingObject.Departs_From__c}

   Departs to: {!bookingObject.Departs_to__c}

   Class: {!bookingObject.Class__c}

   Travellers: {!bookingObject.Travellers__c}

   Passengers Name: {!bookingObject.Passenger_Name__r.Passenger_Name__c}

   We can’t wait to see you!

6. Click Done
7. Save the flow and Activate it.

Thank you...!!