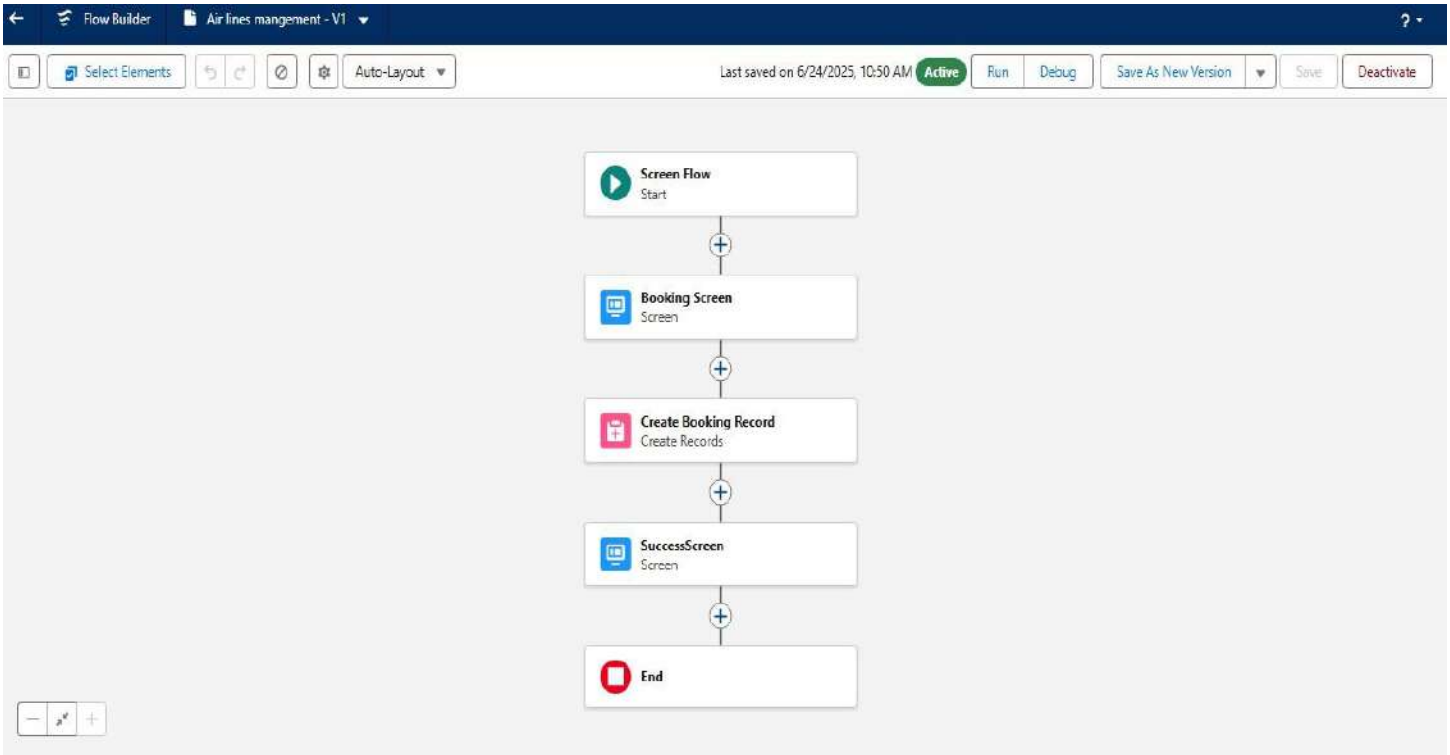
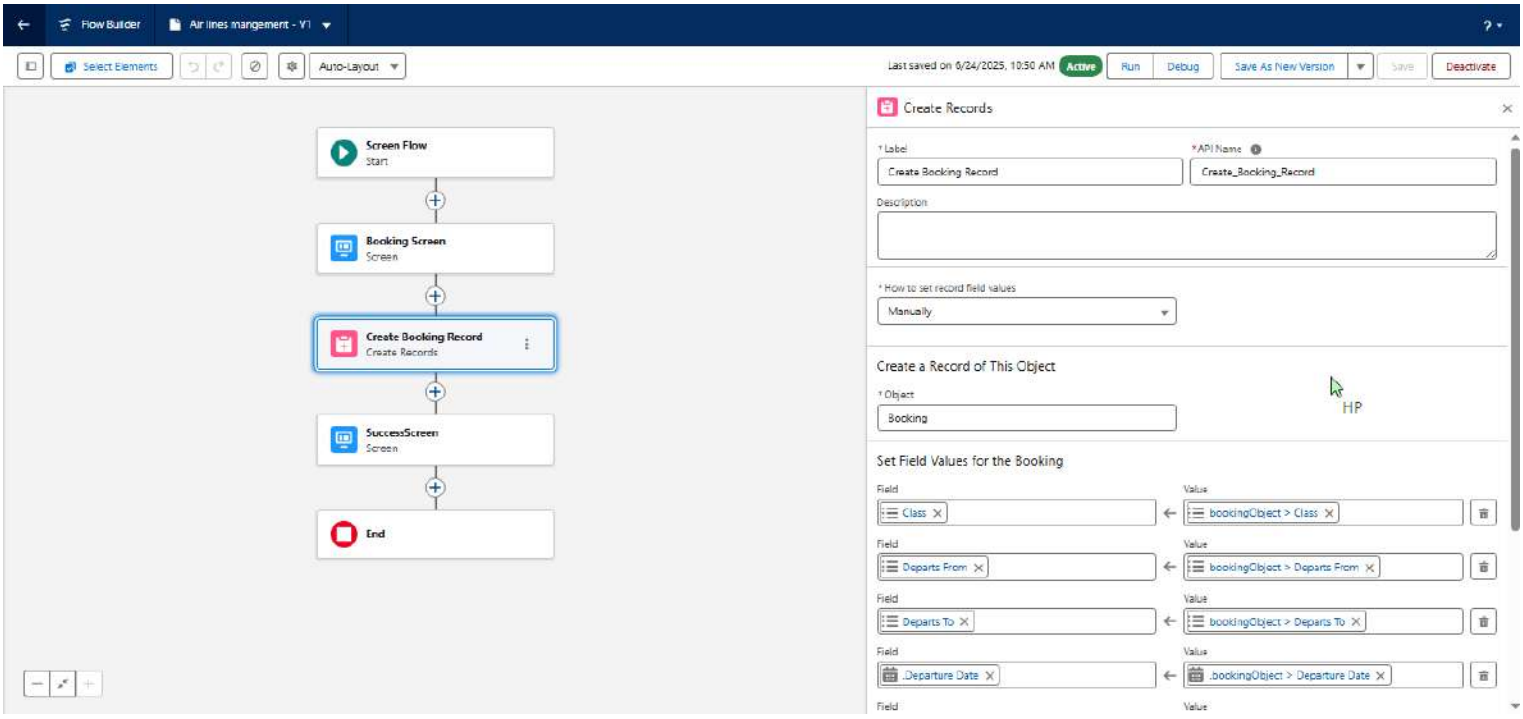
Functional & Performance Testing Outputs

Date	**26-06-2025**
Team Id	**LTVIP2025TMID29760**
Project Name	**Air Line Management System**
College Name	**Ideal Institute Of Technology**

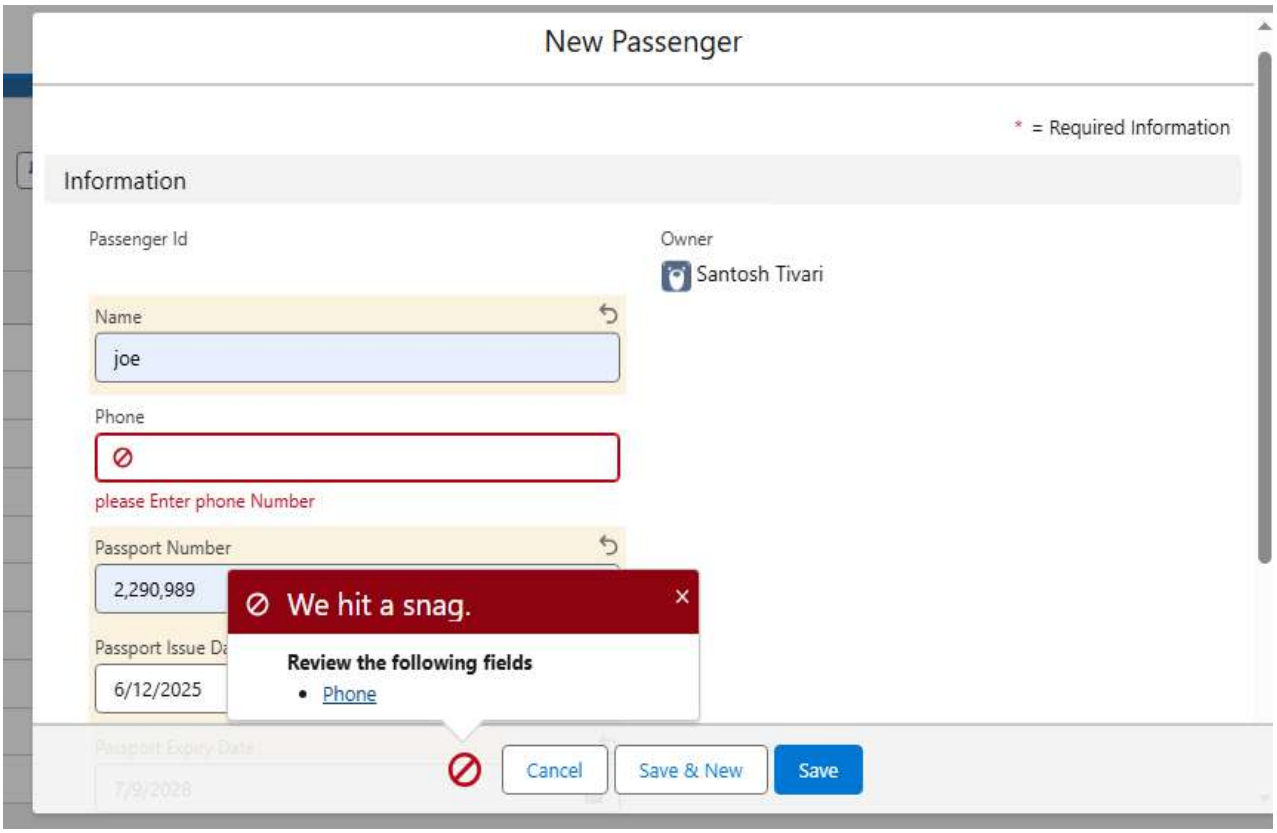
Output Screenshots

➢ Booking Flow (Screen & Success Message)




Flow Builder
Air lines mangement - Y1
Select Elements
Auto-Layout
Last saved on 6/24/2025, 10:50 AM
Active
Run
Debug
Save As New Version
Save
Deactivate
Screen Flow
Start
Booking Screen
Screen
Create Booking Record
Create Records
SuccessScreen
Screen
End
Create Records
* Label
Create Booking Record
* API Name
Create_Booking_Record
Description
* How to set record field values
Manually
Create a Record of This Object
* Object
Booking
Set Field Values for the Booking
Field
Class
Value
bookingObject > Class
Field
Departs From
Value
bookingObject > Departs From
Field
Departs To
Value
bookingObject > Departs To
Field
Departure Date
Value
bookingObject > Departure Date
Field
Value

➢ Trigger Error on Passenger Phone



Trigger Validation Error When Mobile Number Is Missing

To ensure data accuracy, I implemented a **before-insert Apex trigger** that prevents a **Passenger** record from being created without a mobile number. This validation was handled using a custom **Apex class** and tested with both valid and invalid inputs.

Class Name: PhnValid_PassengerObj.cls

```
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');
            }
        }
    }

}
```

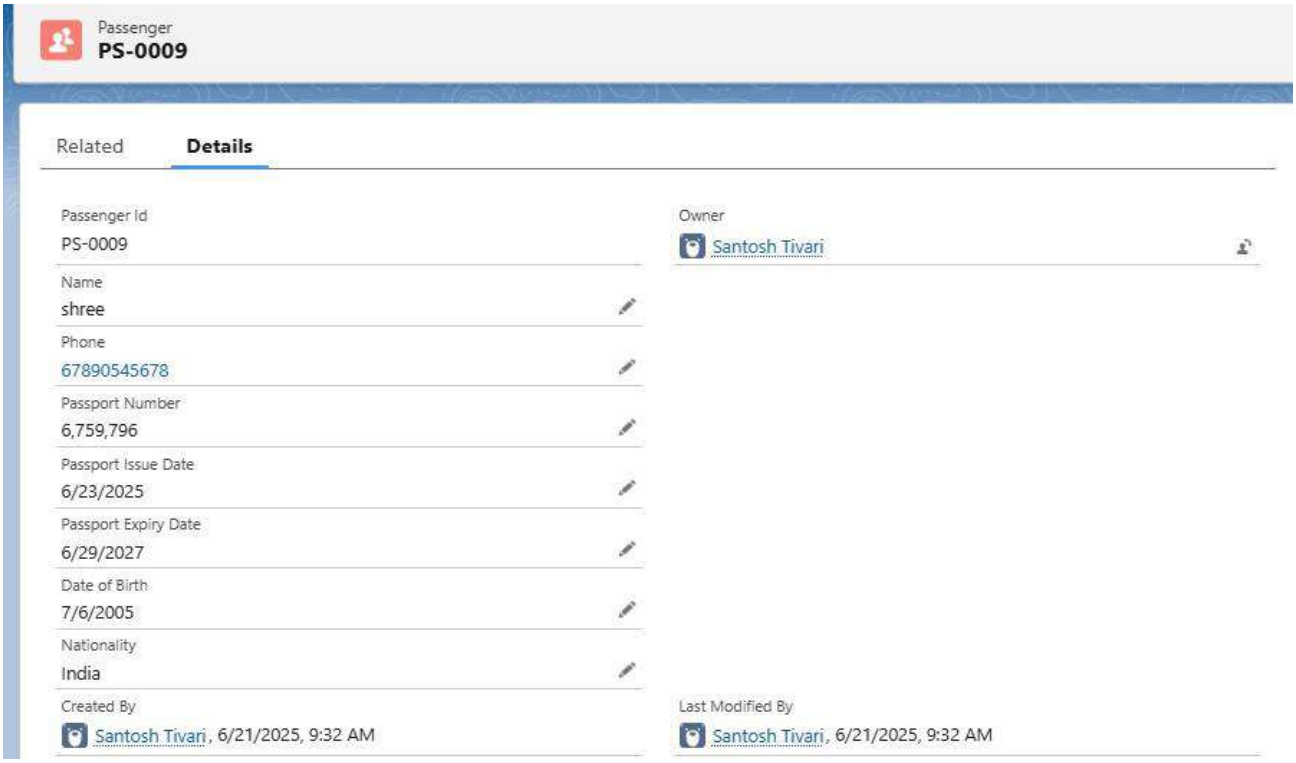
This class checks every passenger record and throws an error if the phone number is missing.

Step 2: Created an Apex Trigger

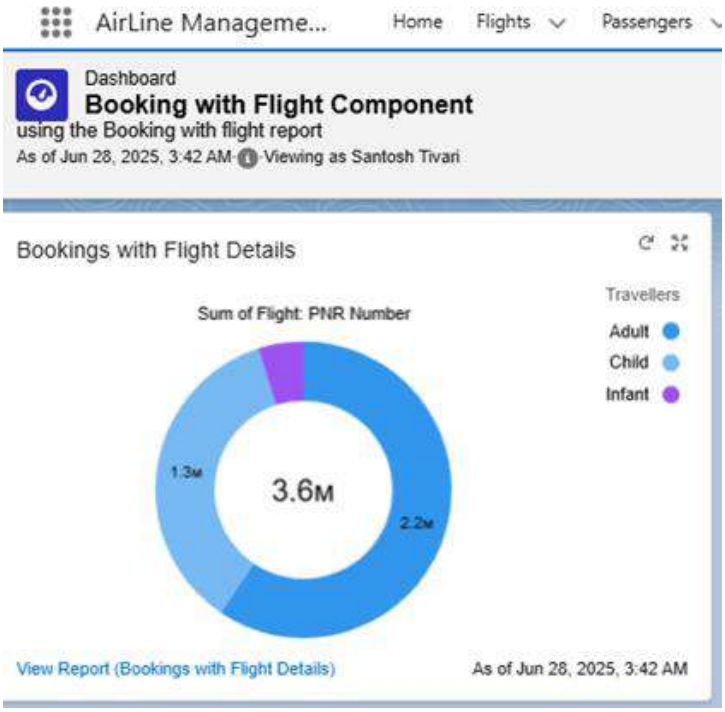
```
trigger PhnValidTrigger on Passenger__c (before insert) {
    if(Trigger.isBefore && Trigger.isInsert){
        PhnValid_PassengerObj.valMethod(Trigger.new);
    }
}
```

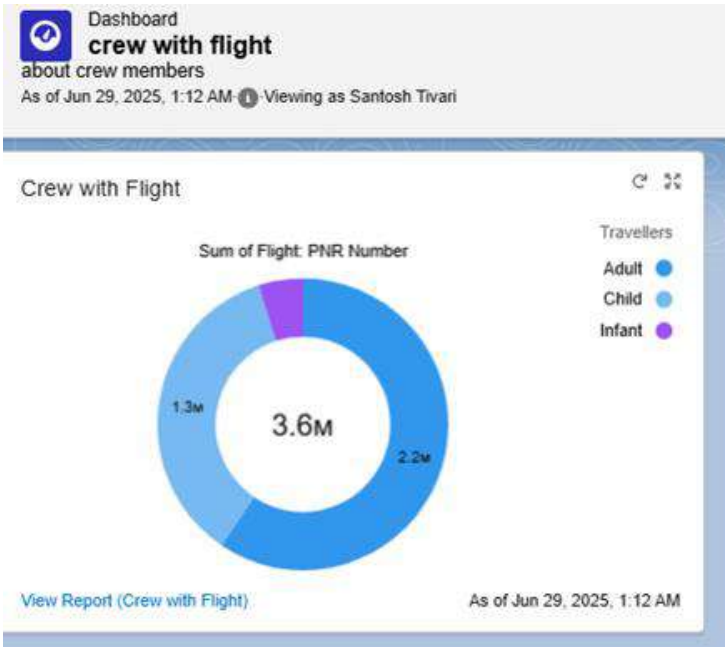
This trigger runs **before insert** and calls the validation method.

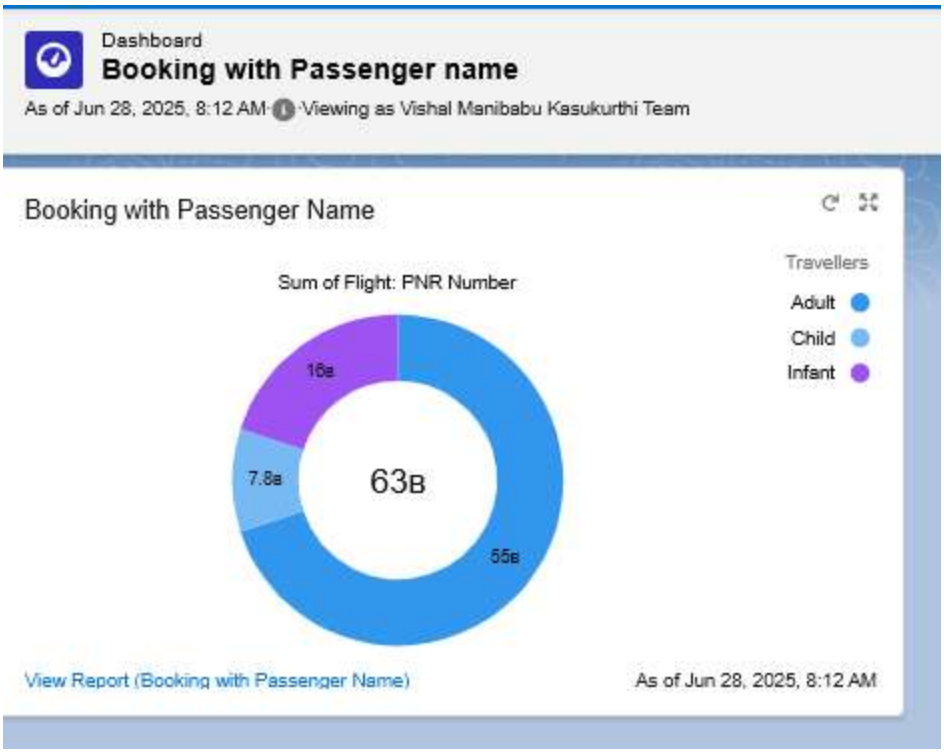
➢ Record Creation Example



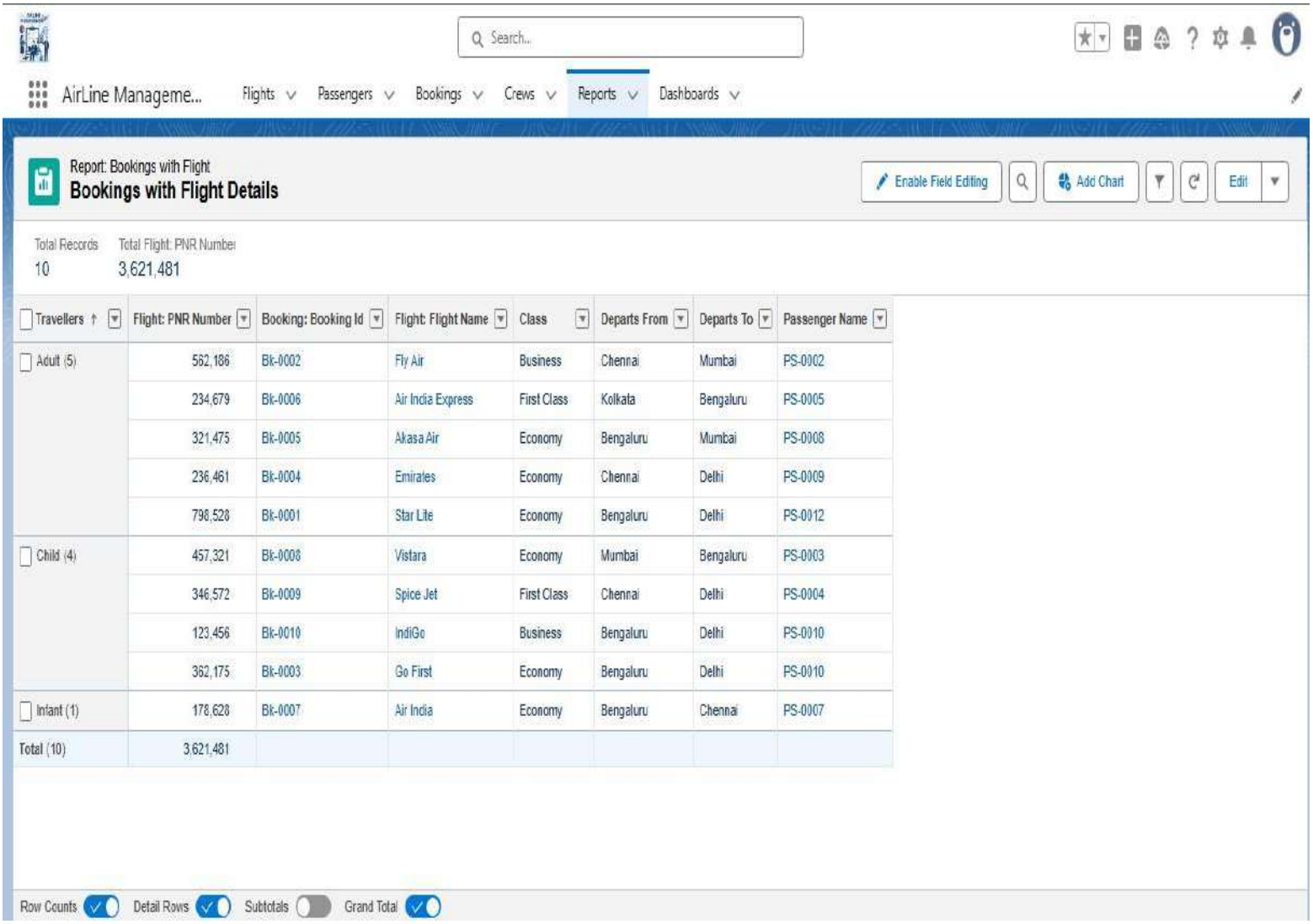
➢ Dashboard Display (Donut Chart)





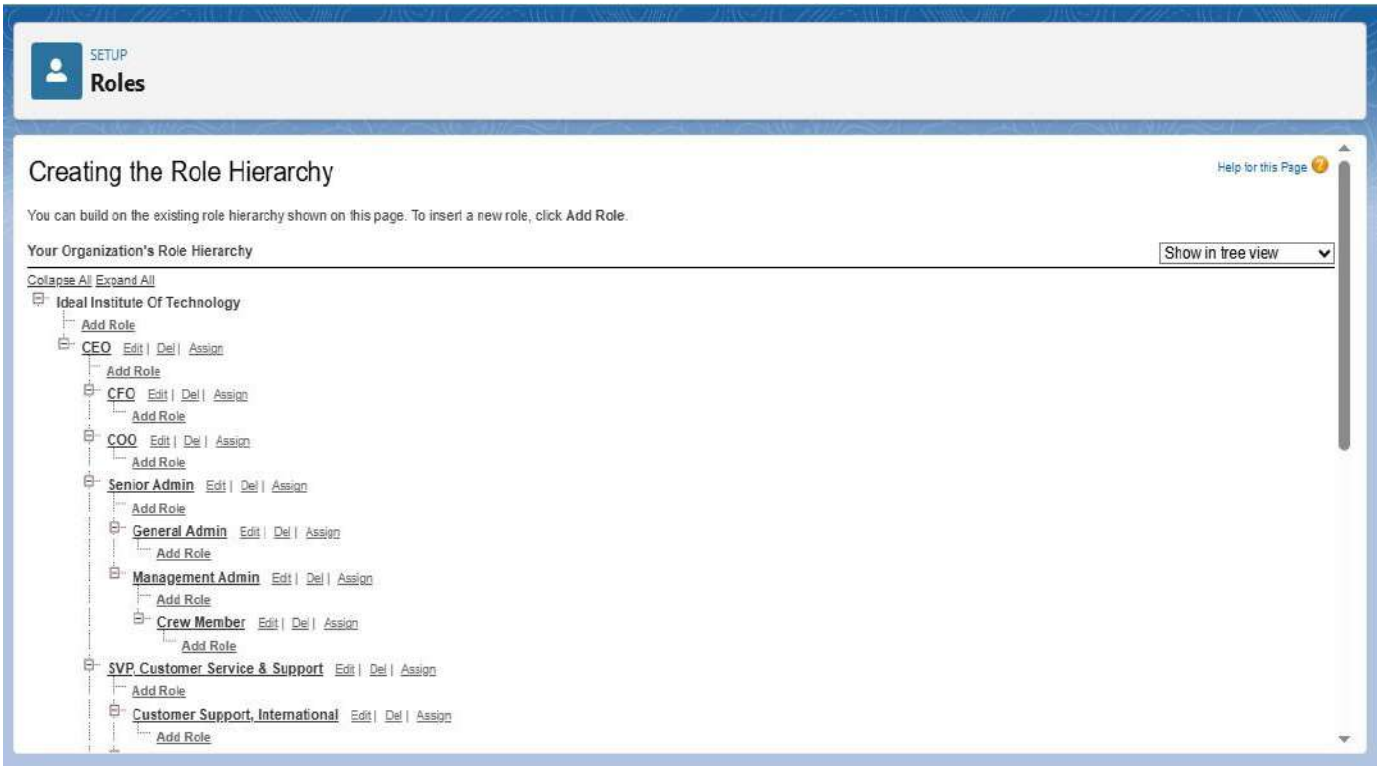
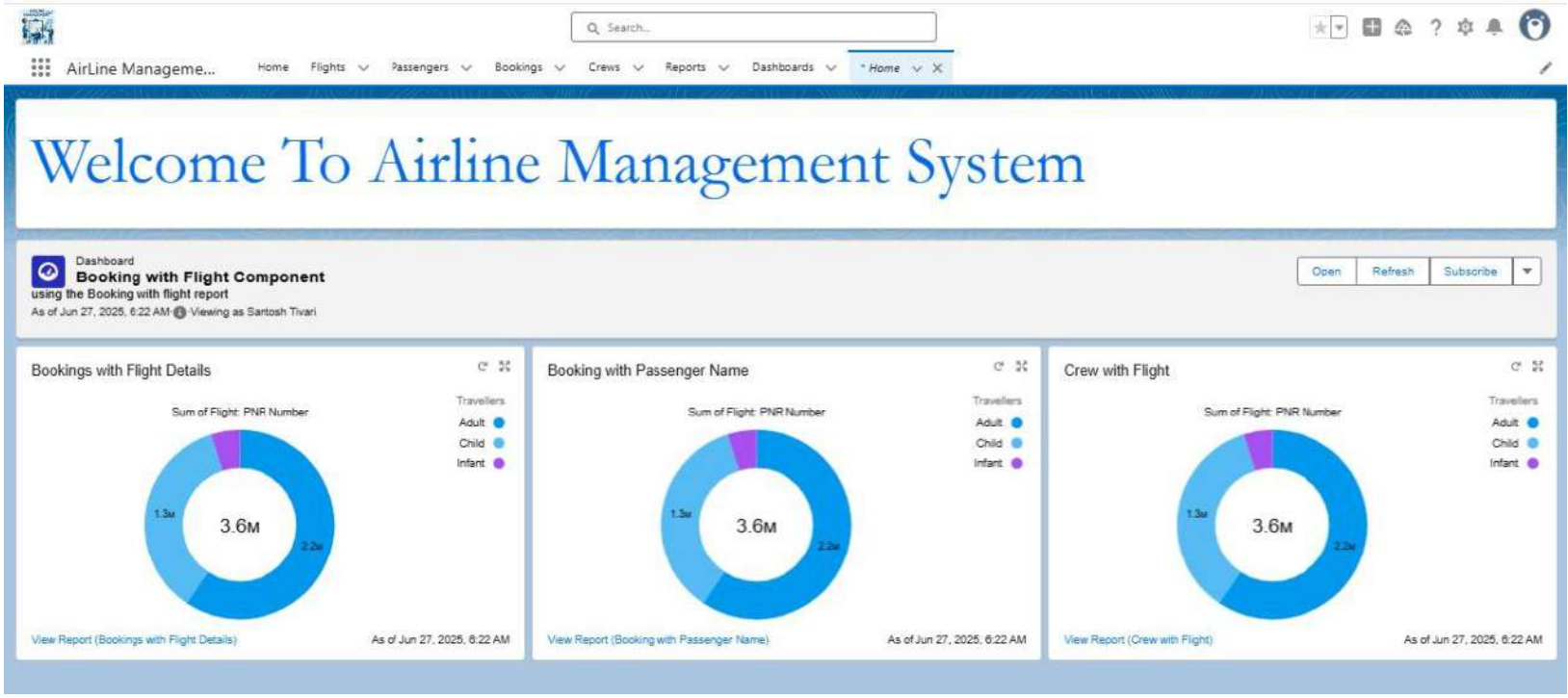

Dashboard
Booking with Passenger name
As of Jun 28, 2025, 8:12 AM · Viewing as Vishal Manibabu Kasukurthi Team
Booking with Passenger Name
Sum of Flight: PNR Number
Travellers
Adult
Child
Infant
18B
7.8B
63B
55B
View Report (Booking with Passenger Name)
As of Jun 28, 2025, 8:12 AM

➢ Report View (Grouped Bookings)



Travellers	Flight: PNR Number	Booking: Booking Id	Flight: Flight Name	Class	Departs From	Departs To	Passenger Name
Adult (5)	562,186	Bk-0002	Fly Air	Business	Chennai	Mumbai	PS-0002
	234,679	Bk-0006	Air India Express	First Class	Kolkata	Bengaluru	PS-0005
	321,475	Bk-0005	Akasa Air	Economy	Bengaluru	Mumbai	PS-0008
	236,461	Bk-0004	Emirates	Economy	Chennai	Delhi	PS-0009
	798,528	Bk-0001	Star Lite	Economy	Bengaluru	Delhi	PS-0012
Child (4)	457,321	Bk-0008	Vistara	Economy	Mumbai	Bengaluru	PS-0003
	346,572	Bk-0009	Spice Jet	First Class	Chennai	Delhi	PS-0004
	123,456	Bk-0010	IndiGo	Business	Bengaluru	Delhi	PS-0010
	362,175	Bk-0003	Go First	Economy	Bengaluru	Delhi	PS-0010
Infant (1)	178,628	Bk-0007	Air India	Economy	Bengaluru	Chennai	PS-0007
Total (10)	3,621,481						

➢ Role Hierarchy View



➢ Lightning App Home Page preview