

Project Executable Files


This phase outlines the actual Salesforce configurations, data, and outcomes used and generated during the execution of your project: “Airlines Management System.” It ensures that all key project elements—objects, data, and output—are traceable and reusable for future reference or assessment. Where practical configurations and working modules of the project are documented for clarity, replication, and validation.


◆ 1. Project Files

Project Executable Files


The following project files were executed in the Salesforce Developer Org:


 **Milestone 1: Developer Account Setup**

 **Milestone 2: Object Creation**

 **Milestone 3: Tab Creation**

 **Milestone 4: Lightning App Setup**

 **Milestone 5: Field Creation**

 **Milestone 6: User adoption**

 **Milestone 7: Profiles**

 **Milestone 8: Role**

 **Milestone 9: User**

 **Milestone 10: Reports**

 **Milestone 11: Dashboards**

 **Milestone 12: Apex**

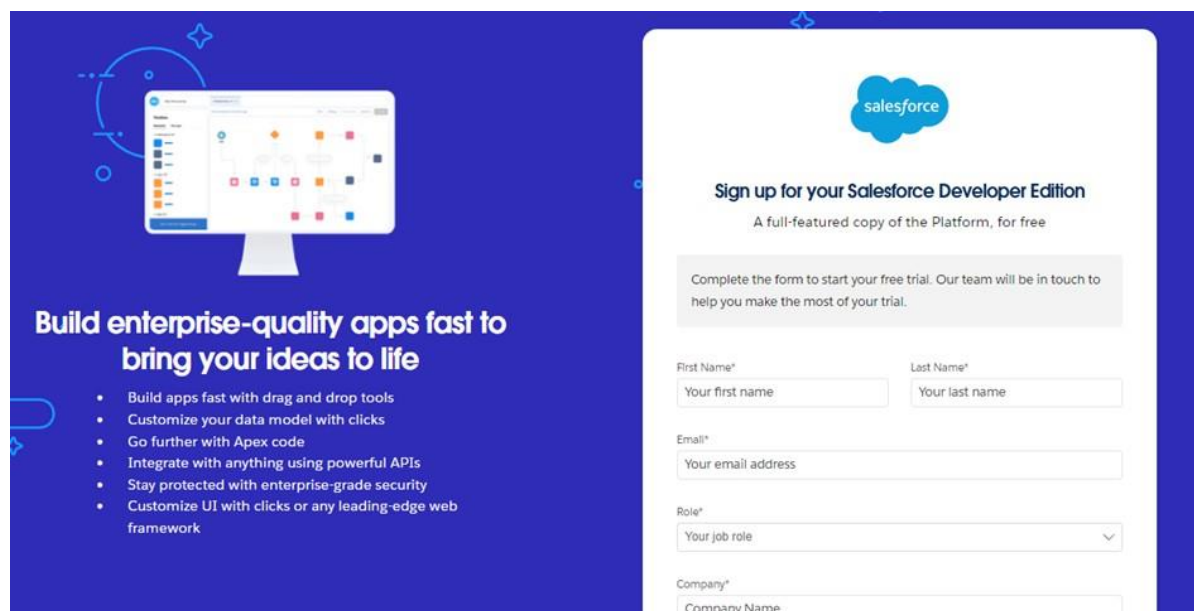
 **Milestone 13: Flows**

List of Milestone Tasks with Supporting Screenshots and Descriptions

Milestone 1: Developer Account Setup

- Created and activated a Salesforce Developer Org.
 - Setup the base environment for CRM development.
 - Verified access to Object Manager, Flow Builder, and App Builder.
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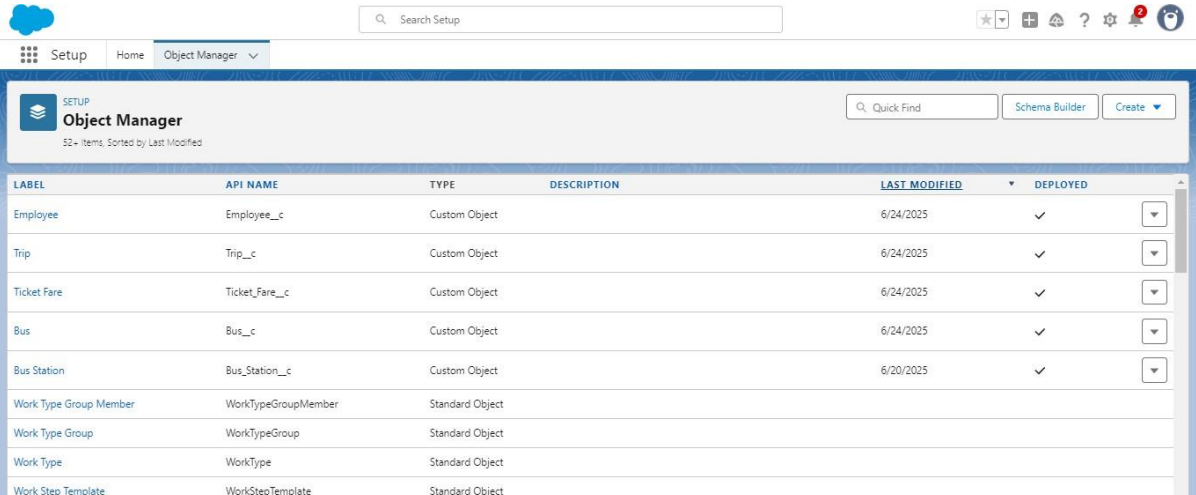
OUTPUT SCREENSHOT



Milestone 2: Object Creation

- Created 5 custom objects:
 - Airport, Airplane, Airline Employee, Flight and Ticket Fare.
 - Established foundational schema for Airlines data tracking.
- Configured relationships using lookup fields.

OUTPUT SCREENSHOT




The screenshot displays the Salesforce Object Manager interface. At the top, there is a navigation bar with 'Setup', 'Home', and 'Object Manager' (selected). A search bar labeled 'Search Setup' is also present. Below the navigation bar, the 'Object Manager' section is titled with a sub-header '52 Items, Sorted by Last Modified'. The main content area shows a table of objects with the following columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The table lists several custom objects (Employee, Trip, Ticket Fare, Bus, Bus Station) and standard objects (Work Type Group Member, Work Type Group, Work Type, Work Step Template).

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Employee	Employee_c	Custom Object		6/24/2025	✓
Trip	Trip_c	Custom Object		6/24/2025	✓
Ticket Fare	Ticket_Fare_c	Custom Object		6/24/2025	✓
Bus	Bus_c	Custom Object		6/24/2025	✓
Bus Station	Bus_Station_c	Custom Object		6/20/2025	✓
Work Type Group Member	WorkTypeGroupMember	Standard Object			
Work Type Group	WorkTypeGroup	Standard Object			
Work Type	WorkType	Standard Object			
Work Step Template	WorkStepTemplate	Standard Object			

Milestone 3: Tab Creation

- Created tabs for each custom object.
 - Enabled easy navigation and object access in the app.
 - Ensured users can create/view records from the UI.
-





OUTPUT SCREENSHOT

 **SETUP**
Tabs

Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs		New	What Is This?
Action	Label	Tab Style	Description
Edit Del	Bookings	 Bell	
Edit Del	Crews	 Presenter	
Edit Del	Flights	 Airplane	
Edit Del	Passengers	 Bank	

Milestone 4: Lightning App Setup

- Built a custom Lightning App named "**Airlines Management system**".
 - Added relevant tabs to centralize operations.
 - Simplified user workflow by grouping features.
-


OUTPUT SCREENSHOT

* App Name ⓘ

* Developer Name ⓘ


Description ⓘ

Image ⓘ




Org Theme Options
☐ Use the app's image and color instead of the org's custom theme

Primary Color Hex Value ⓘ



App Launcher Preview



AirLine Management System
AirLines Management System

Milestone 5: Field Creation

- Added custom and formula fields like:
 - Capacity, Departure date, Departs from, Departs to, Fare, Passenger Count.
 - Implemented: **Total Fare = Fare × Passenger Count** formula.
- Linked Driver and Conductor to Trip via lookup fields.

Milestone 5- Fields

<u>Object</u>	<u>Field Name</u>	<u>Data Type</u>
<u>Airport</u>	<u>Airport Name(Standard)</u>	<u>Text</u>
	<u>Airport Category</u>	<u>Picklist(Unmanaged Bus Stop, Managed Bus Stop)</u>
	<u>Last Updated</u>	<u>Formula(Date)</u>
	<u>Amenities</u>	<u>Picklist(Multi-select)</u>
	<u>City</u>	<u>Text(40)</u>
	<u>Street</u>	<u>TextArea</u>
	<u>State/Province</u>	<u>Text(25)</u>
	<u>Zip/PostalCode</u>	<u>Text(10)</u>
	<u>lounge</u>	<u>Checkbox</u>
	<u>Bench</u>	<u>Checkbox</u>

<u>Airplane</u>	<u>Registration No</u> <u>(Standard)</u>	<u>Text</u>
	<u>Name</u>	<u>Lookup(Bus Station)</u>
	<u>Capacity</u>	<u>Number(4,0)</u>
	<u>Category</u>	<u>Picklist</u>
	<u>Model</u>	<u>Picklist(Dependent on Category)</u>
<u>Flight</u>	<u>Flight No(Standard)</u>	<u>Text</u>
	<u>Flight Date</u>	<u>Date</u>
	<u>Flight No</u>	<u>Lookup(Bus)</u>
	<u>Route Name</u>	<u>Lookup(Ticket Fare)</u>
	<u>Arrival Time</u>	<u>Picklist</u>
	<u>Departure Time</u>	<u>Picklist</u>
	<u>Starting</u> <u>Terminal</u>	<u>Text</u>
	<u>Destination</u> <u>Terminal</u>	<u>Text</u>
	<u>Pilot Id</u>	<u>Lookup(Employee)</u>
	<u>pilot</u>	<u>Formula</u>
	<u>Cabin crew Id</u>	<u>Lookup(Employee)</u>
	<u>Cabin crew</u>	<u>Formula</u>
	<u>Estimated Travel</u> <u>Time</u>	<u>Number</u>
	<u>Frequency Per Day</u>	<u>Number(2,0)</u>
	<u>No. of Stops</u>	<u>Number(2,0)</u>
	<u>Passenger Count</u>	<u>Number(4,0)</u>

	<u>Ticket Fare</u>	<u>Currency(16,2)</u>
	<u>Total Amount</u>	<u>Formula</u>
<u>Ticket Fare</u>	<u>Route Name(Standard)</u>	<u>Text</u>
	<u>Model</u>	<u>Picklist</u>
	<u>Ticket Fare</u>	<u>Currency(10,2)</u>
<u>Employee</u>	<u>Employee Id(Standard)</u>	<u>Text</u>
	<u>Name</u>	<u>Lookup(Bus Station)</u>
	<u>Employee Name</u>	<u>Text</u>
	<u>Role</u>	<u>Picklist</u>
	<u>Date of Birth</u>	<u>Date</u>
	<u>Age</u>	<u>Formula(Number)</u>
	<u>Work Place</u>	<u>Text</u>
	<u>Salary</u>	<u>Currency(18,0)</u>
	<u>Phone</u>	<u>Phone</u>
	<u>Date of Joining</u>	<u>Date</u>
	<u>Date of Retirement</u>	<u>Formula(Date)</u>
	<u>Experience</u>	<u>Formula(Number)</u>
	<u>Street</u>	<u>TextArea</u>
	<u>City</u>	<u>Text</u>
	<u>State/Province</u>	<u>Text</u>
	<u>Country</u>	<u>Text</u>
	<u>Zip/PostalCode</u>	<u>Text</u>

OUTPUT SCREENSHOT

Setup

Home

Object Manager

Search Setup

Star

Share

Help

Settings

Notifications

SETUP > OBJECT MANAGER

Bus

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Track

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Bus Registration No	Name	Text(80)		✓
Bus Station Name	Bus_Station_Name__c	Lookup(Bus Station)		✓
Capacity	Capacity__c	Number(4, 0)		
Category	Category__c	Picklist		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Model	Model__c	Picklist	Category	
Owner	OwnerId	Lookup(User,Group)		✓

Setup

Home

Object Manager

Search Setup

Star

Share

Help

Settings

Notifications

SETUP > OBJECT MANAGER

Bus Station

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Fields & Relationships

14 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tr

Bus Station Name	Name	Text(80)		✓
Bus Stop Category	Bus_Stop_Category__c	Picklist		
City	City__c	Text(40)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Last Updated	Last_Updated__c	Formula (Date)		
Location	Location__c	Text(40)		
Owner	OwnerId	Lookup(User,Group)		✓
Shelter available	Shelter_available__c	Checkbox		
State/Province	State_Province__c	Text(25)		

Setup

Home

Object Manager

Search Setup

Star

Plus

Home

Help

Settings

Notifications

SETUP > OBJECT MANAGER

Employee

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Fields & Relationships

20 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tr

Date of Retirement	Date_of_Retirement__c	Formula (Date)	
Employee Id	Name	Text(80)	✓
Employee Name	Employee_Name__c	Text(80)	
Experience	Experience__c	Formula (Number)	
Last Modified By	LastModifiedById	Lookup(User)	
Owner	OwnerId	Lookup(User,Group)	✓
Phone	Phone__c	Phone	
Role	Role__c	Picklist	
Salary	Salary__c	Currency(18, 0)	
State/Province	State_Province__c	Text(18)	

All Done

Setup

Home

Object Manager

Search Setup

Star

Plus

Home

Help

Settings

Notifications

SETUP > OBJECT MANAGER

Trip

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Fields & Relationships

21 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tr

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Arrival Time	Arrival_Time__c	Picklist		
Bus No	Bus_No__c	Lookup(Bus)		✓
Bus Starting Terminal	Bus_Starting_Terminal__c	Text(18)		
Conductor Id	Conductor_id__c	Lookup(Employee)		✓
Conductor Name	Conductor_Name__c	Formula (Text)		
Created By	CreatedById	Lookup(User)		
Departure Time	Departure_Time__c	Picklist		
Destination Terminal	Destination_Terminal__c	Text(18)		
Driver Id	Driver_id__c	Lookup(Employee)		✓

Setup

Home

Object Manager

Search Setup

Star

Plus

Home

Help

Settings

Notifications

SETUP > OBJECT MANAGER

Ticket Fare

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Fields & Relationships

6 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tr

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Bus Model	Bus_Model__c	Picklist		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Route Name	Name	Text(80)		✓
Ticket Fare	Ticket_Fare__c	Currency(10, 2)		

Milestone 6: User Adoption

- Customized page layouts per object.
- Grouped fields logically for usability.
- Enhanced record readability and data entry experience.

OUTPUT SCREENSHOT

* App Name ⓘ

AirLine Management System

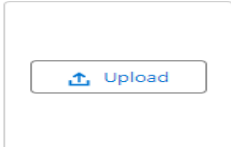
* Developer Name ⓘ

AirLine_Management_System


Description ⓘ

AirLines Management System

Image ⓘ



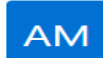
Primary Color Hex Value ⓘ

 #0070D2

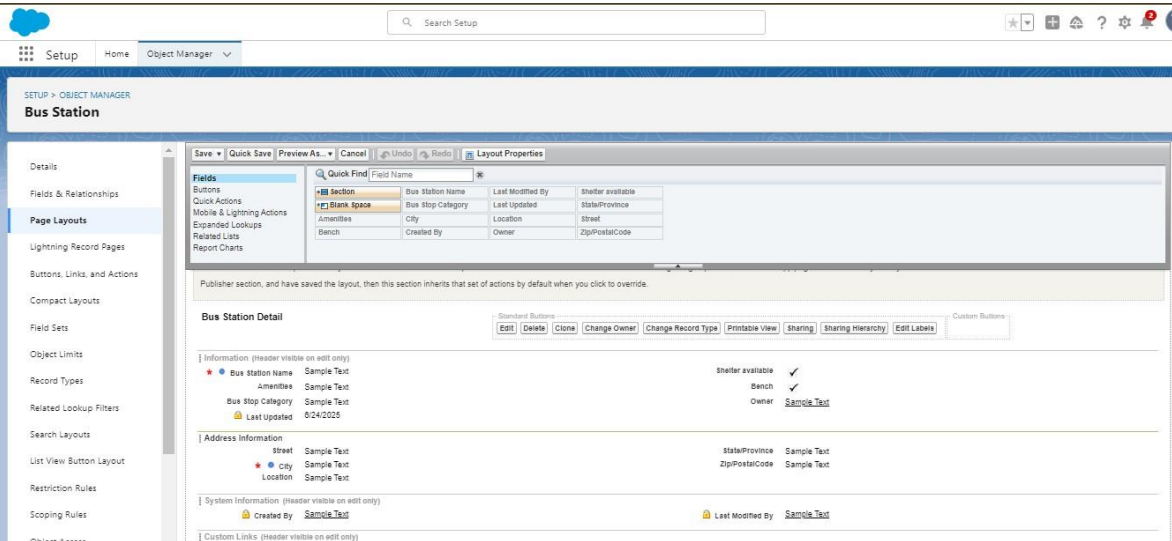
Org Theme Options

☐ Use the app's image and color instead of the org's custom theme

App Launcher Preview



AirLine Management System
AirLines Management System



The screenshot shows the Salesforce Setup interface. The top navigation bar includes the Setup icon, a search bar, and various utility icons. The left sidebar shows the Setup menu with options like Setup, Home, and Object Manager. The main content area is titled "SETUP > OBJECT MANAGER" and "Bus Station". It displays a "Details" section with a "Page Layouts" tab selected. The "Page Layouts" section shows a "Bus Station Detail" layout with various fields and actions. The fields are organized into sections: "Information" (Bus Station Name, Amenities, Bus Stop Category, Last Updated), "Address Information" (Street, City, Location, State/Province, Zip/Postal Code), and "System Information" (Created By, Last Modified By). The "Actions" section includes buttons for Edit, Delete, Clone, Change Owner, Change Record Type, Printable View, Sharing, and Sharing Hierarchy. The "Fields" section lists fields like Bus Station Name, Last Updated, State/Province, City, Location, Street, and Zip/Postal Code.

Setup

Home

Object Manager

Search Setup

Setup > OBJECT MANAGER

Bus

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Save Quick Save Preview As... Cancel Undo Redo Layout Properties

Fields

Quick Find

Field Name

Section Capacity Model

Blank Space Category Owner

Bus Registration No Created By

Bus Station Name Last Modified By

Bus Detail

Standard Buttons

Edit Delete Clone Change Owner Change Record Type Printable View Sharing Sharing Hierarchy Edit Labels

Custom Buttons

Information (Header visible on edit only)

Bus Registration No Sample Text

Bus Station Name Sample Text

Category Sample Text

Model Sample Text

Capacity 1,007

Owner Sample Text

System Information (Header visible on edit only)

Created By Sample Text

Last Modified By Sample Text

Custom Links (Header visible on edit only)

Setup

Home

Object Manager

Search Setup

Setup > OBJECT MANAGER

Trip

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Object Access

Save Quick Save Preview As... Cancel Undo Redo Layout Properties

Fields

Quick Find

Field Name

Section Bus Starting Term... Departure Time Estimated Travel ... Owner Total Amount

Blank Space Conductor Id Destination Terminal Frequency Per Day Passenger Count Trip Date

Arrival Time Conductor Name Driver Id Last Modified By Route Name Trip No

Bus No Created By Driver Name No. of Stops Ticket Fare

Trip Detail

Standard Buttons

Edit Delete Clone Change Owner Change Record Type Printable View Sharing Sharing Hierarchy Edit Labels

Custom Buttons

Information (Header visible on edit only)

Trip No Sample Text

Trip Date 8/24/2025

Bus No Sample Text

Driver Id Sample Text

Driver Name Sample Text

Conductor Id Sample Text

Conductor Name Sample Text

Owner Sample Text

Bus Schedule

Route Name Sample Text

Bus starting Terminal Sample Text

Departure Time Sample Text

No. of Stops 64

Estimated Travel Time 53,353

Destination Terminal Sample Text

Arrival Time Sample Text

Frequency Per Day 64

Passenger Information

Passenger Count 5,203

Ticket Fare \$123.45

Total Amount \$123.45

System Information (Header visible on edit only)

Passengers

Recently Viewed

New Import Change Owner Assign

6 items • Updated a few seconds ago

Search this list...

Passenger Id

1 Bk-0006

2 Bk-0005

3 Bk-0004

4 Bk-0003

5 Bk-0002

6 Bk-0001

Milestone 7: Profiles

Types of profiles in salesforce


Standard profiles;

By default salesforce provides below standard profiles

Custom Profiles:

Custom ones defined by us.

OUTPUT SCREENSHOT



SETUP Profiles

Profile Edit
General Admin
Set the permissions and page layouts for this profile.

Profile Edit

Name: General Admin
User License: Salesforce Platform
Custom Profile: ☒
Description:

Custom App Settings

	Visible	Default		Visible	Default
AirLine Management System (AirLine_Management_System)	<input type="checkbox"/>	<input type="radio"/>	Platform (standard__Platform)	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
Analytics Studio (standard__Insights)	<input type="checkbox"/>	<input type="radio"/>	WDC (standard__Work)	<input type="checkbox"/>	<input type="radio"/>
App Launcher	<input type="checkbox"/>	<input type="radio"/>			

SETUP Profiles

Profile Edit
Senior Admin Profile
Set the permissions and page layouts for this profile.

Profile Edit

Name: Senior Admin Profile
User License: Salesforce
Custom Profile: ☒
Description:

Custom App Settings

	Visible	Default		Visible	Default
AirLine Management System (AirLine_Management_System)	<input checked="" type="checkbox"/>	<input type="radio"/>	My Service Journey (standard__MSJApp)	<input checked="" type="checkbox"/>	<input type="radio"/>
All Tabs (standard__AllTabSet)	<input checked="" type="checkbox"/>	<input type="radio"/>	Queue Management (standard__QueueManagement)	<input checked="" type="checkbox"/>	<input type="radio"/>
Analytics Studio (standard__Insights)	<input checked="" type="checkbox"/>	<input type="radio"/>	Sales (standard__LightningSales)	<input checked="" type="checkbox"/>	<input type="radio"/>
App Launcher (standard__AppLauncher)	<input checked="" type="checkbox"/>	<input type="radio"/>	Sales (standard__Sales)	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>

Profiles

Profile Edit
Management Admin
Set the permissions and page layouts for this profile.

Profile Edit

Name: Management Admin
User License: Salesforce Platform
Custom Profile: ☒
Description:

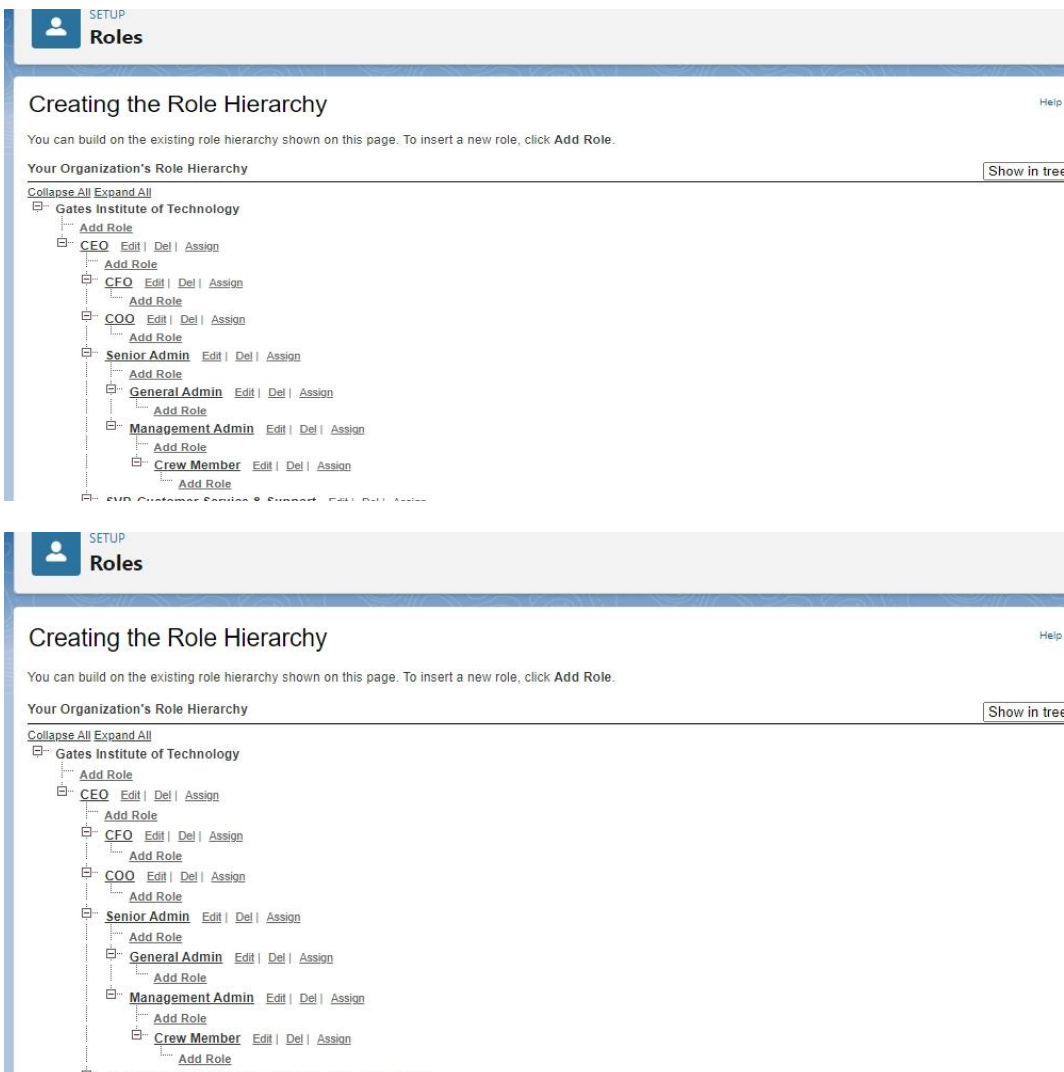
Custom App Settings

	Visible	Default		Visible	Default
AirLine Management System (AirLine_Management_System)	<input type="checkbox"/>	<input type="radio"/>	Platform (standard__Platform)	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
Analytics Studio (standard__Insights)	<input type="checkbox"/>	<input type="radio"/>	WDC (standard__Work)	<input type="checkbox"/>	<input type="radio"/>

Milestone 8: Role

A role in Salesforce defines a user's visibility access at the record level. Roles may be used to specify the types of access that people in your Salesforce organization can have to data.

OUTPUT SCREENSHOT



The image displays two screenshots of the Salesforce 'Roles' setup page, illustrating the 'Creating the Role Hierarchy' process. Both screenshots show a role hierarchy for the organization 'Gates Institute of Technology'.

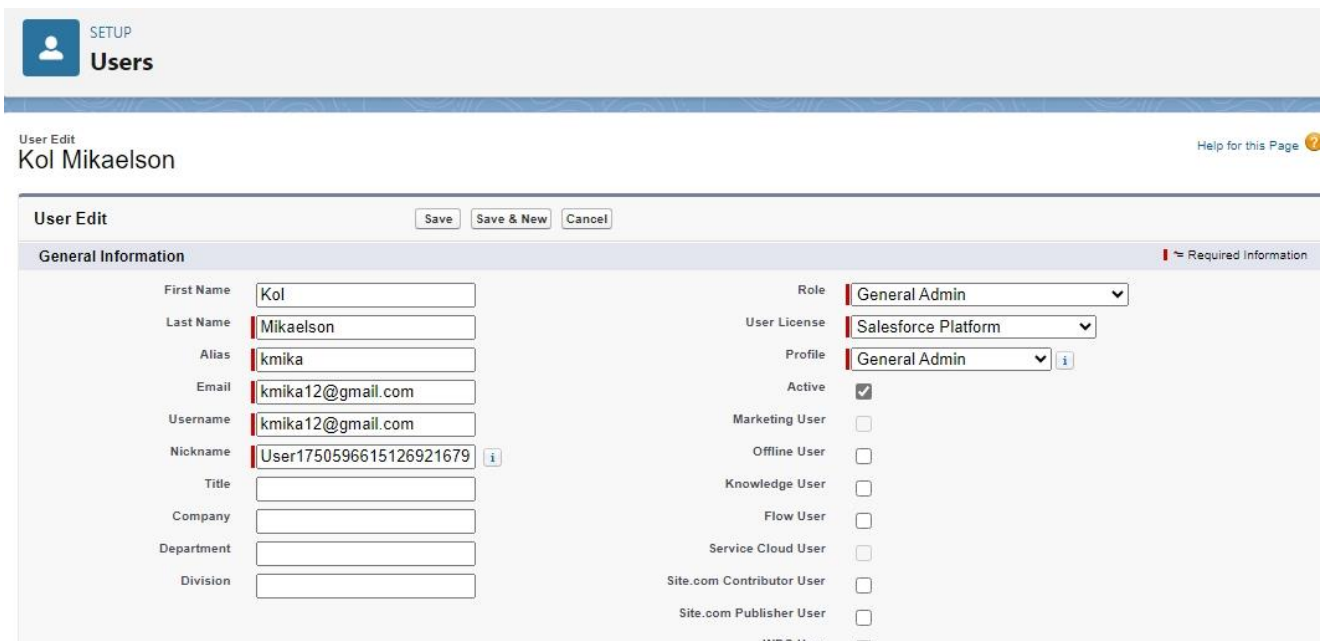
Top Screenshot: The page title is 'Creating the Role Hierarchy'. Below the title, it states: 'You can build on the existing role hierarchy shown on this page. To insert a new role, click **Add Role**.' The role hierarchy is shown as a tree structure. The root role is 'Gates Institute of Technology'. Under it, there are roles for 'CEO', 'CFO', 'COO', 'Senior Admin', 'General Admin', 'Management Admin', and 'Crew Member'. Each role has an 'Add Role' link below it, and the top-level roles have 'Edit', 'Del', and 'Assign' links. A 'Show in tree' button is visible on the right.

Bottom Screenshot: This screenshot is identical to the top one, showing the same role hierarchy and setup options.

Milestone 9: Users


Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records. Every user in Salesforce has a user account. The user account identifies the user, and the user account settings determine what features and records the user can access.

OUTPUT SCREENSHOT



The screenshot shows the Salesforce 'Users' setup page for editing a user named Kol Mikaelson. The page has a header with a 'SETUP' button and a 'Users' link. Below the header, the user's name 'Kol Mikaelson' is displayed. The main content area is titled 'User Edit' and contains a form with two columns of fields. The left column contains 'General Information' fields: First Name, Last Name, Alias, Email, Username, Nickname, Title, Company, Department, and Division. The right column contains 'Role' and 'User License' dropdowns, a 'Profile' dropdown, and a list of checkboxes for user types: Active, Marketing User, Offline User, Knowledge User, Flow User, Service Cloud User, Site.com Contributor User, Site.com Publisher User, and WDC User. The 'Active' checkbox is checked. The 'Role' is set to 'General Admin', 'User License' is 'Salesforce Platform', and 'Profile' is 'General Admin'. The 'Save' button is visible at the top of the form.

User Edit	
First Name	Kol
Last Name	Mikaelson
Alias	kmika
Email	kmika12@gmail.com
Username	kmika12@gmail.com
Nickname	User1750596615126921679
Title	
Company	
Department	
Division	
Role	General Admin
User License	Salesforce Platform
Profile	General Admin
Active	<input checked="" type="checkbox"/>
Marketing User	<input type="checkbox"/>
Offline User	<input type="checkbox"/>
Knowledge User	<input type="checkbox"/>
Flow User	<input type="checkbox"/>
Service Cloud User	<input type="checkbox"/>
Site.com Contributor User	<input type="checkbox"/>
Site.com Publisher User	<input type="checkbox"/>
WDC User	<input type="checkbox"/>

 **SETUP**
Users

User Edit

Niklaus Mikaelson

Help for this Page

User Edit

Save

Save & New

Cancel

General Information

First Name

Niklaus

Last Name

Mikaelson

Alias

nmika

Email

afaanahamed18@gmail.com

Username

afaanahamed18@gmail.com

Nickname

User1750596615126921679

Title

Company

Department

Division

Role

Senior Admin

User License

Salesforce

Profile

Senior Admin Profile

Active

☒

Marketing User

☐

Offline User

☐

Knowledge User

☐

Flow User

☐

Service Cloud User

☐

Site.com Contributor User

☐


Site.com Publisher User

☐

WDC User

☐

Required Information

 **SETUP**
Users

User Edit

Niklaus Mikaelson

Help for this Page

User Edit

Save

Save & New

Cancel

General Information

First Name

Niklaus

Last Name

Mikaelson

Alias

nmika

Email

afaanahamed18@gmail.com

Username

afaanahamed18@gmail.com

Nickname

User1750596615126921679

Title

Company

Department

Division

Role

Senior Admin

User License

Salesforce

Profile

Senior Admin Profile

Active

☒

Marketing User

☐

Offline User

☐

Knowledge User

☐

Flow User

☐

Service Cloud User

☐

Site.com Contributor User

☐

Site.com Publisher User

☐

WDC User

☐

Required Information

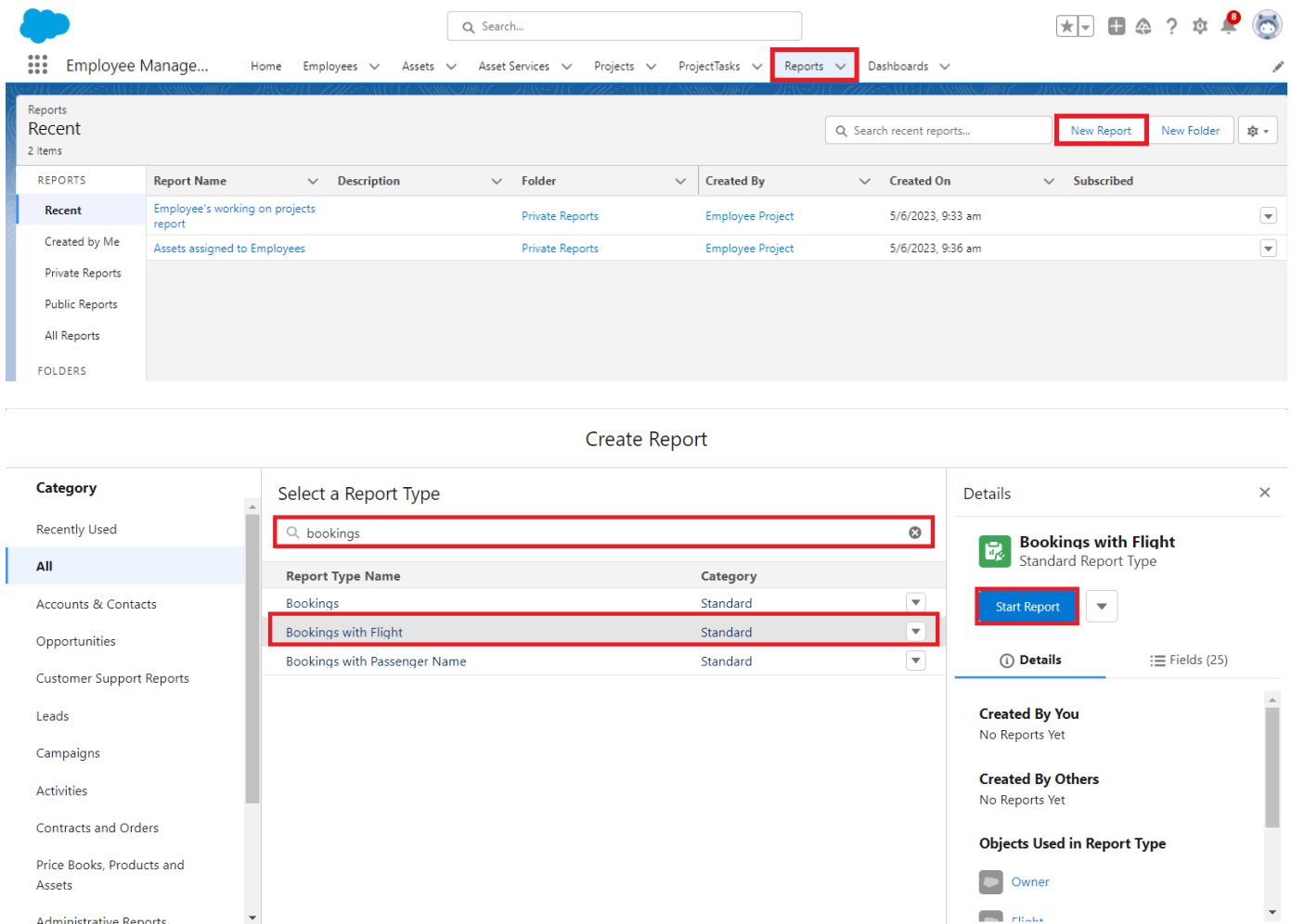
Milestone 10: Reports

- Created reports for:

Reports give you access to your Salesforce data. You can examine your Salesforce data in almost infinite combinations, display it in easy-to-understand formats, and share the resulting insights with others..

- Used grouping, filters, and field summaries.
- Enabled data-driven decision-making.

OUTPUT SCREENSHOT



The screenshot displays the Salesforce Reports interface. At the top, the navigation bar includes the Salesforce logo, a search bar, and various utility icons. The main navigation menu shows 'Employee Manage...' and several dropdown menus, with 'Reports' highlighted. Below this, the 'Recent' reports section is visible, showing a list of reports with columns for Report Name, Description, Folder, Created By, Created On, and Subscribed. Two reports are listed: 'Employee's working on projects report' and 'Assets assigned to Employees'. The 'Create Report' dialog is open, showing a search bar with 'bookings' entered. The 'Report Type Name' dropdown is set to 'Bookings with Flight', and the 'Category' is 'Standard'. The 'Details' panel on the right shows the report type 'Bookings with Flight' and the 'Start Report' button.

Recent Reports

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Employee's working on projects report		Private Reports	Employee Project	5/6/2023, 9:33 am	
Created by Me	Assets assigned to Employees		Private Reports	Employee Project	5/6/2023, 9:36 am	
Private Reports						
Public Reports						
All Reports						

Create Report

Category: Recently Used, **All**, Accounts & Contacts, Opportunities, Customer Support Reports, Leads, Campaigns, Activities, Contracts and Orders, Price Books, Products and Assets, Administrative Reports

Select a Report Type

Search: bookings

Report Type Name	Category
Bookings	Standard
Bookings with Flight	Standard
Bookings with Passenger Name	Standard

Details

Bookings with Flight
Standard Report Type

Start Report

Details Fields (25)

Created By You
No Reports Yet

Created By Others
No Reports Yet

Objects Used in Report Type
Owner, Flight



Report: Bookings with Passenger
Booking with Passenger Name

Enable Field Editing



Add Chart



Total Records
6

<input type="checkbox"/> Travellers ↑	Booking: Booking Id	Passenger: Passenger Id	Flight	Departs From	Departs To	Class	Passenger: Owner Name
<input type="checkbox"/> Adult (5)	Bk-0006	Bk-0006	air india	Bengaluru	Mumbai	First Class	Afaan Ahamed Yelamkur
	Bk-0005	Bk-0005	emirates	Mumbai	Delhi	Business	Afaan Ahamed Yelamkur
	Bk-0004	Bk-0006	emirates	Chennai	Mumbai	Business	Afaan Ahamed Yelamkur
	Bk-0003	Bk-0005	indigo	Bengaluru	Delhi	Economy	Afaan Ahamed Yelamkur
	Bk-0001	Bk-0002	emirates	Bengaluru	Delhi	Business	Afaan Ahamed Yelamkur
<input type="checkbox"/> Child (1)	Bk-0002	Bk-0004	air india	Kolkata	Delhi	First Class	Afaan Ahamed Yelamkur
Total (6)							



Report: Crews with Flight
Crew with Flight

Enable Field Editing



Add Chart



Edit



Total Records
6

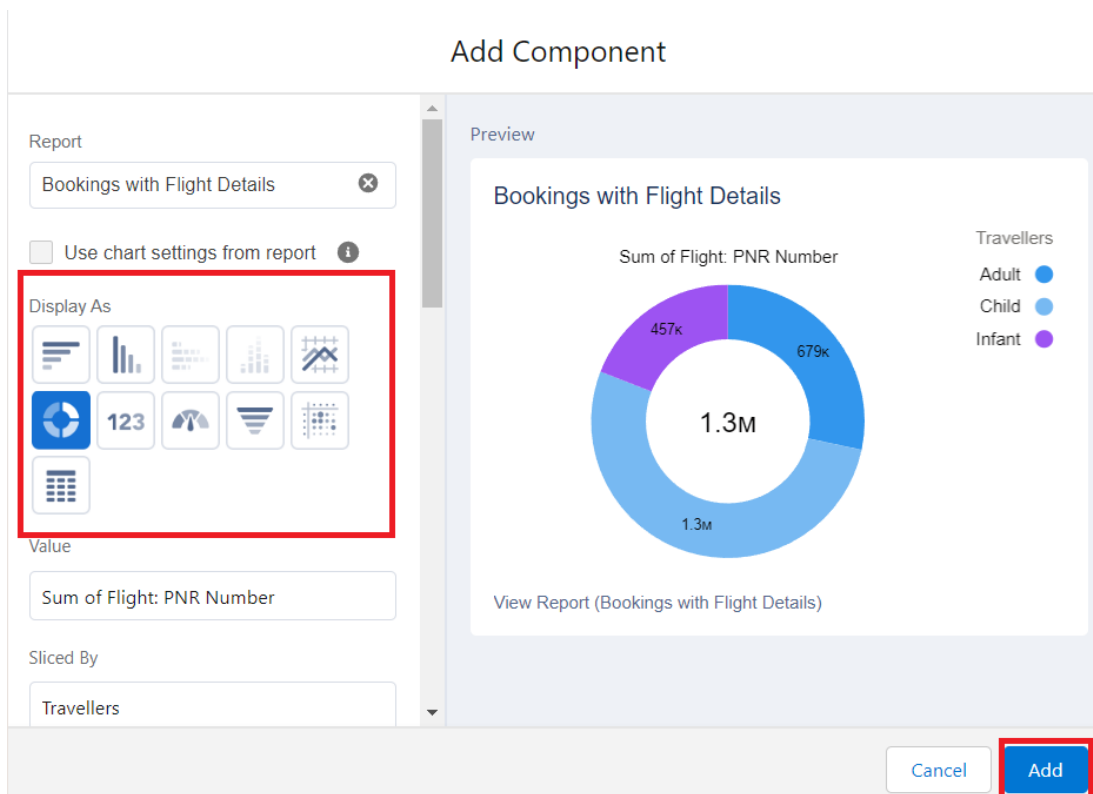
Total Flight: PNR Number
4,848,484,969,360

<input type="checkbox"/> Crew Member ↑	Crew: Crew Id	Flight: Flight Name	Role	Flight: PNR Number	Flight: Departs From	Flight: Departs to	Flight: Arrival Time	Phone
<input type="checkbox"/> kiran (1)	Bk-0002	indigo	Pilot	1,212,121,242,325	Mumbai	Bengaluru	1:15 AM	9000431655
<input type="checkbox"/> kumar (1)	Bk-0004	emirates	Flight Attendants	1,212,121,242,355	Delhi	Kolkata	5:30 AM	9000431655
<input type="checkbox"/> rahul (1)	Bk-0003	indigo	Co-Pilot	1,212,121,242,325	Mumbai	Bengaluru	1:15 AM	9000431655
<input type="checkbox"/> saii (1)	Bk-0005	emirates	Air Hosts	1,212,121,242,355	Chennai	Kolkata	5:45 AM	9000431655
<input type="checkbox"/> shruti (1)	Bk-0006	air india	Air Hostesses	1,212,121,242,325	Mumbai	Chennai	3:15 PM	9000431655
<input type="checkbox"/> sonu (1)	Bk-0001	air india	Air Hosts	1,212,121,242,325	Mumbai	Chennai	3:15 PM	09000431655
Total (6)				4,848,484,969,360				

Milestone 11: Dashboards

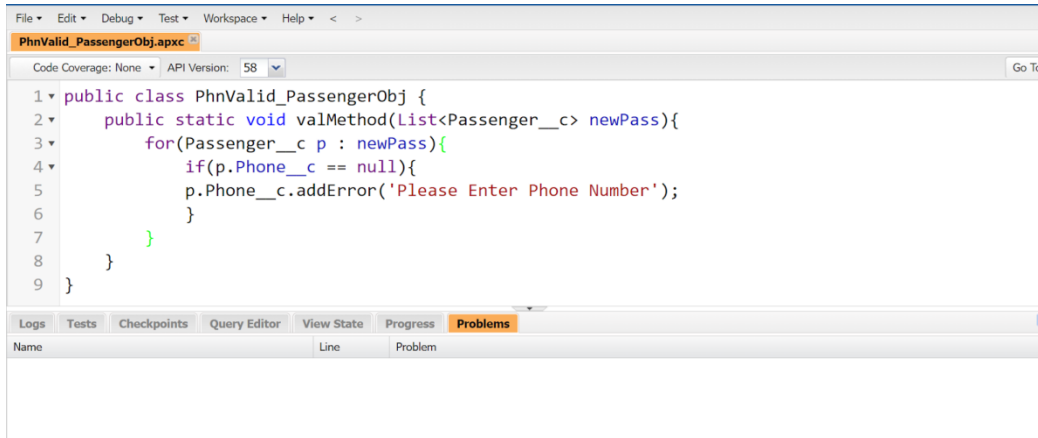
- Designed dashboards showing:
 - Booking with flights, Booking with Passenger Name, Crew with Flight
- Used Donut, and summary widgets for visualization.

OUTPUT SCREENSHOT

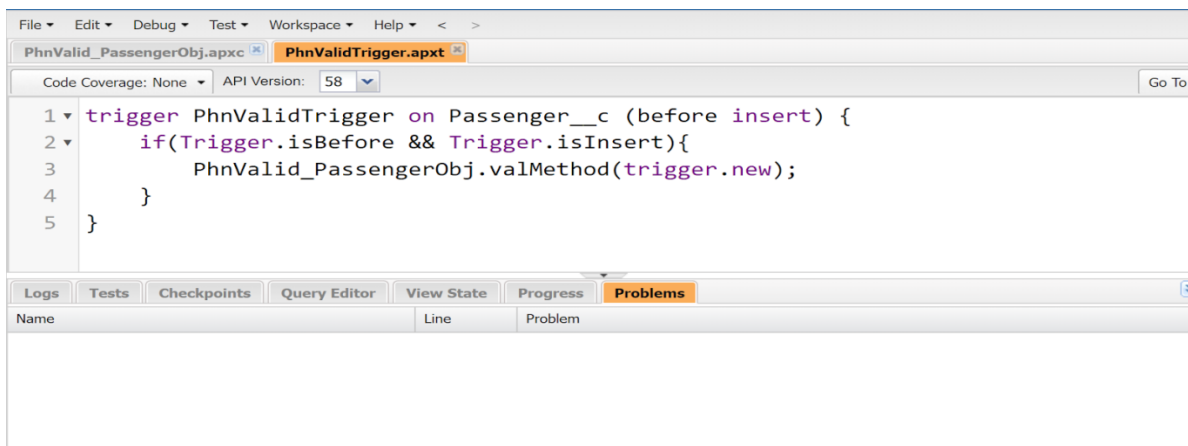


Milestone 12: Apex

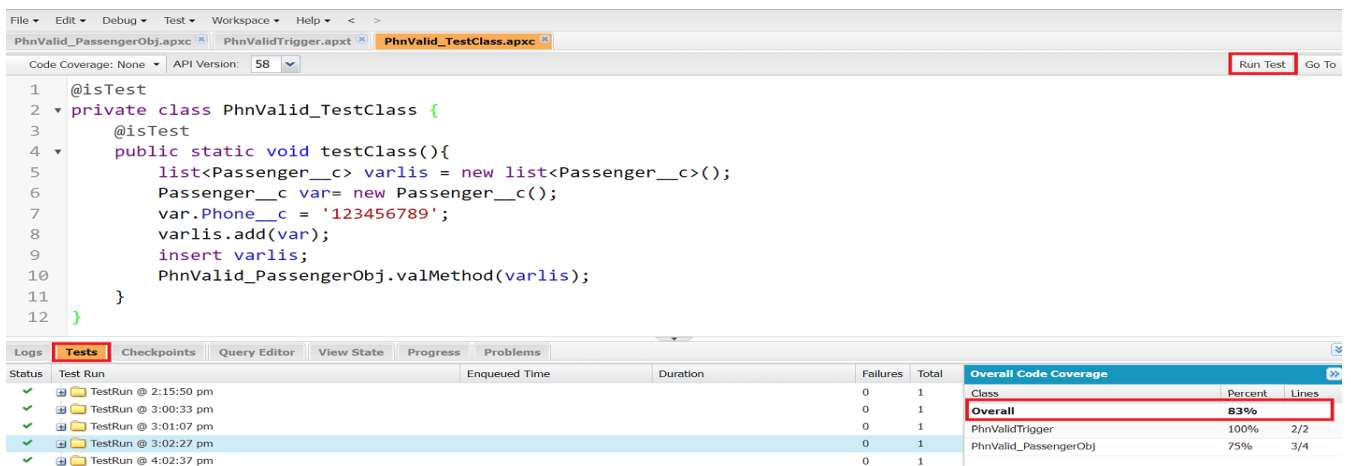
Apex is a strongly typed, object-oriented programming language that allows developers to execute flow and transaction control statements on the Lightning platform server in conjunction with calls to the Lightning Platform API. Using syntax that looks like Java and acts like database stored



```
1 public class PhnValid_PassengerObj {
2     public static void valMethod(List<Passenger__c> newPass){
3         for(Passenger__c p : newPass){
4             if(p.Phone__c == null){
5                 p.Phone__c.addError('Please Enter Phone Number');
6             }
7         }
8     }
9 }
```



```
1 trigger PhnValidTrigger on Passenger__c (before insert) {
2     if(Trigger.isBefore && Trigger.isInsert){
3         PhnValid_PassengerObj.valMethod(trigger.new);
4     }
5 }
```



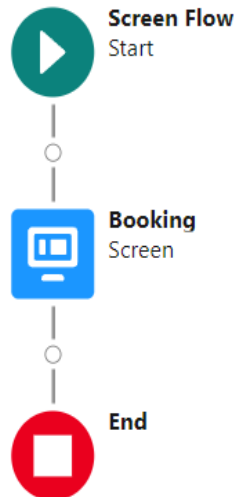
```
1 @isTest
2 private class PhnValid_TestClass {
3     @isTest
4     public static void testClass(){
5         list<Passenger__c> varlis = new list<Passenger__c>();
6         Passenger__c var= new Passenger__c();
7         var.Phone__c = '123456789';
8         varlis.add(var);
9         insert varlis;
10        PhnValid_PassengerObj.valMethod(varlis);
11    }
12 }
```

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	TestRun @ 2:15:50 pm			0	1
✓	TestRun @ 3:00:33 pm			0	1
✓	TestRun @ 3:01:07 pm			0	1
✓	TestRun @ 3:02:27 pm			0	1
✓	TestRun @ 4:02:37 pm			0	1

Overall Code Coverage		
Class	Percent	Lines
Overall	83%	
PhnValidTrigger	100%	2/2
PhnValid_PassengerObj	75%	3/4

Milestone 13: Flows

A sales representative needs to create a new booking for a customer who has expressed interest in a specific flight service. The representative wants to ensure that all relevant information is captured accurately and consistently.



Set Field Values for the Booking

Field	Value
Class__c	bookingObject > Class X
Departs_From__c	bookingObject > Departs From X
Departs_to__c	bookingObject > Departs to X
Departure_Date__c	bookingObject > Departure Date X
Flight__c	A bookingObject > Flight X
Passenger_Name__c	A bookingObject > Passenger Name X
Travellers__c	bookingObject > Travellers X

+ Add Field

Cancel Done