

NAAN MUDHALVAN

SALESFORCE PROJECT REPORT

COLLEGE : PONJESLY COLLEGE OF ENGINEERING

BATCH-16

NAME	NM ID	REG NO
NITHIN.R.J	AA94FD093E49215AE7E447E824C3A8C5	961820114053
MERSHIYA.S	EDDF363D6670CE98C82446446E4323A9	961820114048
HARITHA.H.R	007BCFCA9061D6FA5BE43AB755A75BDD	961820114034
KRISHNA KAMAL.M	4A5402740EA697FA5084C61990561A7F	961820114315

Step 1: Create a Salesforce Account

The screenshot shows a Salesforce Trailblazer Profile page for a user named NITHIN R J. The top navigation bar includes links for Candidate Internal ..., Semesters, Course Details, Lecturer Details, Internal results, Reports, Dashboards, and NITHIN R J. The main content area features a scenic background of rolling hills and a hot air balloon. On the left, there's a circular profile picture of a bear-like character, a "Edit" button, and a "User Detail" button. Below the profile picture, there's a section to "Share your awesomeness with the world. (Or at least with your colleagues on Chatter.)" followed by a "TRAILHEAD" badge and a "Connect with fellow Trailblazers on the Trailblazer Community." badge. The central "Details" section contains fields for Name (NITHIN R J), Title, Email (rjnithin250@gmail.com), Address (IN), Manager (checkbox), Company Name (NAAMUDHALVAN), Phone, and Mobile (+91 7806869627). To the right, there's a "Related" section for Groups (0) and Files (0), with an "Upload Files" button. A "New in Summer '19" banner is visible at the bottom.

Step 2 : Create the Objects(Semester,Candidate,Course Detail,Lecturer Detail, Internal Result)

The screenshot shows the Salesforce Object Manager page. The top navigation bar includes links for Setup, Home, Object Manager, and a search bar. The main content area is titled "Object Manager" and shows a table of objects. The table has columns for Label, API Name, Type, Description, Last Modified, and Deployed. There is one item listed: "Semester" with API name "semester__c", Type "Custom Object", Last Modified "16/10/2023", and Deployed status checked. A search bar at the top right contains the text "sem".

The screenshot shows the Salesforce Object Manager interface. At the top, there are several tabs: R.J. Nithin - Trailblazer Profile, Create Formula Fields Unit | S..., Student, Recently Viewed | Internal res..., Object Manager | Salesforce, and a plus sign tab. Below the tabs is a header bar with a cloud icon, a search bar containing "Search Setup", and various navigation icons.

The main area is titled "Object Manager" with a sub-header "SETUP". It displays a table with one item:

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Candidate	Candidate__c	Custom Object		16/10/2023	✓

A message at the bottom left says "1 Items, Sorted by Label". On the right side of the table, there are buttons for "Schema Builder" and "Create".

This screenshot is identical to the one above, showing the Object Manager page with a single custom object named "Candidate". The URL in the browser bar is "naamudhalvan-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home".

The main area is titled "Object Manager" with a sub-header "SETUP". It displays a table with one item:

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Course Detail	Course_Detail__c	Custom Object		16/10/2023	✓

A message at the bottom left says "1 Items, Sorted by Label". On the right side of the table, there are buttons for "Schema Builder" and "Create".

The screenshot shows the Salesforce Object Manager interface. The search bar at the top contains the text 'lect'. A single result is listed in the table:

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Lecturer Detail	Lecturer_Detail__c	Custom Object		16/10/2023	✓

The screenshot shows the Salesforce Object Manager interface. The search bar at the top contains the text 'internal res'. A single result is listed in the table:

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Internal result	Internal_results__c	Custom Object		16/10/2023	✓

Step 3 : Create Fields for respective objects(Semester,Candidate,Course Detail, Lecturer Detail,Internal Result)

Semester

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course Detail	Course_Detail__c	Lookup(Course Detail)		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Semester Name	Semester_name__c	Text(30)		
semester Name	Name	Text(80)		✓

Candidate

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Candidate Name	Candidate_Name__c	Text(30)		
Candidate Name	Name	Text(80)		✓
Candidate Roll Number	Candidate_Roll_Number__c	Auto Number		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Semester	Semester__c	Lookup(Semester)		✓

R.J. Nithin - Trailblazer Profile | Create Formula Fields Unit | Student | Recently Viewed | Internal res... | Course Detail | Salesforce

naamudhalvan-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01l5j000002fzru/FieldsAndRelationships/view

Cloud Search Setup

Setup Home Object Manager

Course Detail

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

Triggers

Flow Triggers

Fields & Relationships
6 Items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course Detail Name	Name	Text(80)		✓
Course Name	Course_Name__c	Text(30)		✓
Created By	CreatedById	Lookup(User)		✓
Duration	Duration__c	Number(1, 2)		✓
Last Modified By	LastModifiedById	Lookup(User)		✓
Owner	OwnerId	Lookup(User,Group)		✓

R.J. Nithin - Trailblazer Profile | Create Formula Fields Unit | Student | Recently Viewed | Internal res... | Lecturer Detail | Salesforce

naamudhalvan-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01l5j000002fzrp/FieldsAndRelationships/view

Cloud Search Setup

Setup Home Object Manager

Lecturer Detail

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Page Layouts

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List View Button Layout

Restriction Rules

Scoping Rules

Triggers

Flow Triggers

Fields & Relationships
7 Items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course Detail	Course_Detail__c	Lookup(Course Detail)		✓
Created By	CreatedById	Lookup(User)		✓
Last Modified By	LastModifiedById	Lookup(User)		✓
Lecturer Detail Name	Name	Text(80)		✓
Lecturer Name	Lecturer_Name__c	Text(30)		✓
Lecturer Role	Lecturer_Role__c	Text(30)		✓
Owner	OwnerId	Lookup(User,Group)		✓

Screenshot of the Salesforce Setup > Object Manager interface for the 'Internal result' object.

Fields & Relationships

Fields & Relationships (6 Items, Sorted by Field Label)

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Candidate	Candidate__c	Lookup(Candidate)		✓
Candidate Roll Number	Candidate_Roll_Number__c	Formula (Text)		✓
Created By	CreatedBy	Lookup(User)		✓
Internal results Name	Name	Text(80)		✓
Last Modified By	LastModifiedBy	Lookup(User)		✓
Owner	OwnerId	Lookup(User,Group)		✓

Screenshot of the Candidate Internal ... page showing the creation of a new Semester record.

New Semester

Information

* = Required Information

semester Name	Owner
<input type="text" value=""/>	NITHIN R J
Semester Name	
Course Detail	<input type="text" value="Search Course Details..."/>

Buttons: Cancel, Save & New, Save

Screenshot of the "New Course Detail" form in Salesforce Lightning.

The form is titled "New Course Detail" and contains the following fields:

- Information** section:
 - *Course Detail Name: Input field containing a single character (|).
 - Owner: NITHIN R J
 - Course Name: Input field.
 - Duration: Input field.
- Buttons at the bottom: Cancel, Save & New, Save.

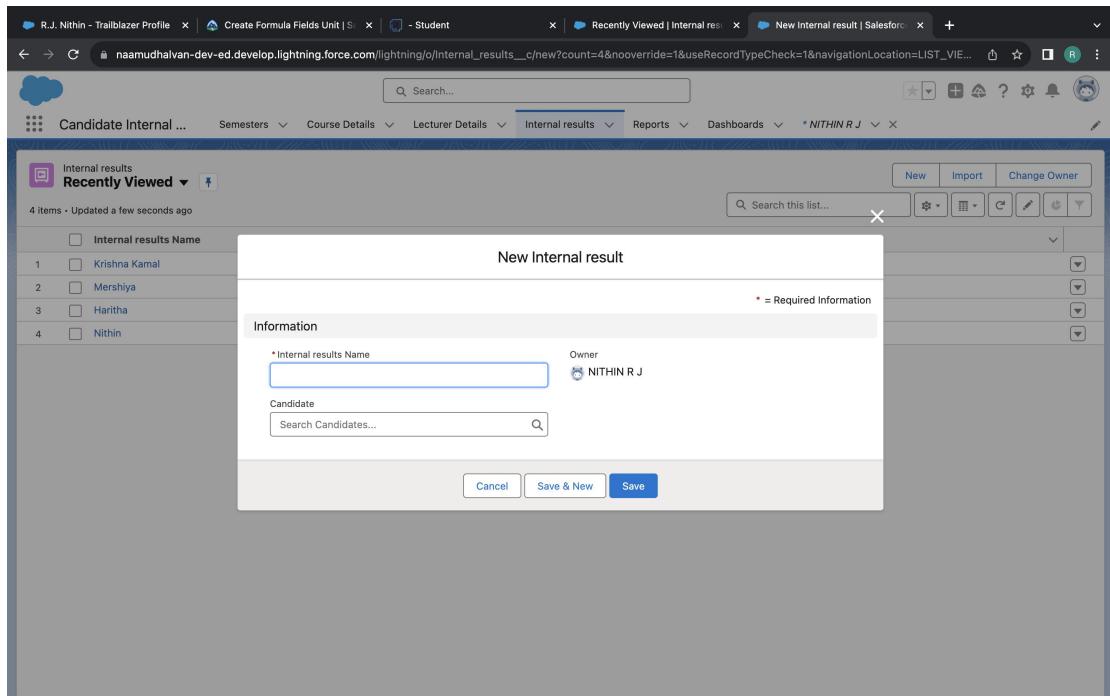
Left sidebar: "Recently Viewed" list showing course details: 1. BSc, 2. Btech, 3. BCA, 4. MBA.

Screenshot of the "New Lecturer Detail" form in Salesforce Lightning.

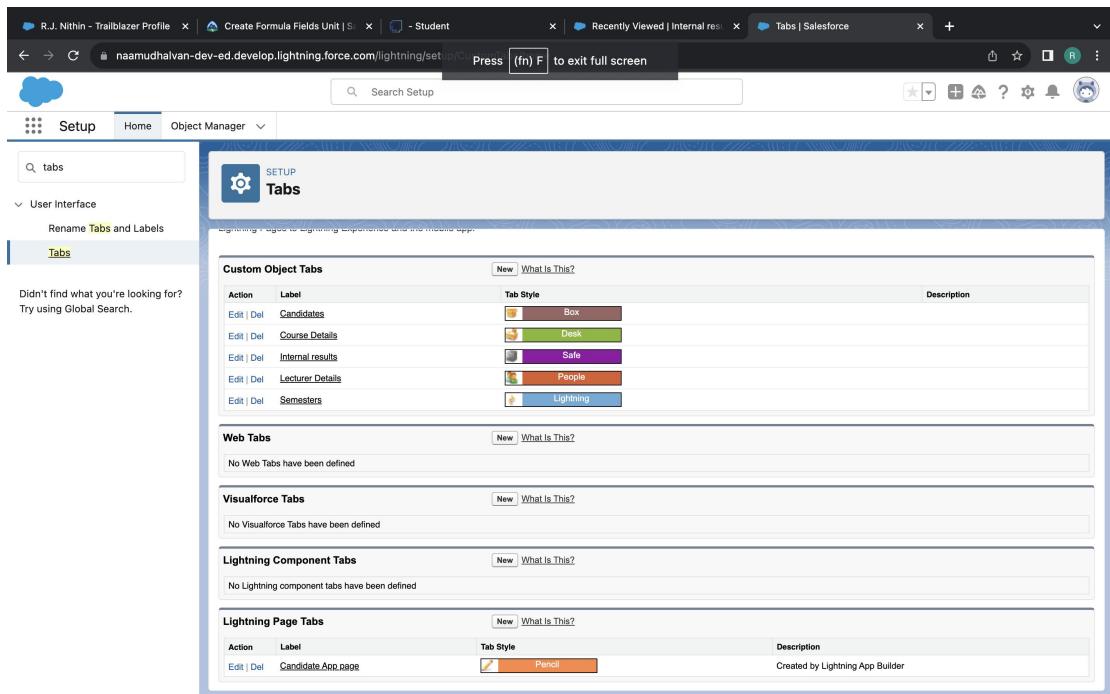
The form is titled "New Lecturer Detail" and contains the following fields:

- Information** section:
 - *Lecturer Detail Name: Input field containing a single character (|).
 - Owner: NITHIN R J
 - Lecturer Name: Input field.
 - Lecturer Role: Input field.
 - Course Detail: Search bar with placeholder "Search Course Details..." and a magnifying glass icon.
- Buttons at the bottom: Cancel, Save & New, Save.

Left sidebar: "Recently Viewed" list showing lecturer details: 1. Nithin.



Step 4 : Create the Tabs for each objects(Semester,Candidate,Course Detail, Lecturer Detail,Internal Result)



Step 5 :Create a Lightning App

The screenshot shows the Salesforce App Launcher interface. On the left, there's a sidebar with various links like Setup Home, Service Setup Assistant, and Bolt Solutions. The main area displays a grid of apps:

Icon	Name	Description
Service	Service	Manage customer service with accounts, contacts, cases, and more
Marketing	Marketing	Best-in-class on-demand marketing automation
Community	Community	Salesforce CRM Communities
Salesforce Chatter	Salesforce Chatter	The Salesforce Chatter social network, including profiles and feeds
Content	Content	Salesforce CRM Content
Sales Console	Sales Console	(Lightning Experience) Lets sales reps work with multiple rec...
Service Console	Service Console	(Lightning Experience) Lets support agents work with multiple...
Sales	Sales	Manage your sales process with accounts, leads, opportunities, and more
Digital Experiences	Digital Experiences	Manage content and media for all of your sites.
Salesforce Scheduler Setup	Salesforce Scheduler Setup	Set up personalized appointment scheduling.
Bolt Solutions	Bolt Solutions	Discover and manage business solutions designed for your industry.
SPICY & SMOKY	SPICY & SMOKY	
Candidate Internal Result C...	Candidate Internal Result C...	

Step 6 : Create the User(Class Teacher)

The screenshot shows the Salesforce Users setup page. The sidebar includes links for User Management Settings, Feature Settings, Data.com, Service, Embedded Service, User Interface, and Custom Labels. The main area displays a table of users:

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Chatter_Expert	Chatter	chatty@0005@00000chjxeav.comhpdxell@2vo@chatter.salesforce.com		✓	Chatter Free User
Edit	R.J.NITHIN	NR.J	nithin@sales.force		✓	System Administrator
Edit	Teacher_Class	cteach	rjnithin250@gmail.com		✓	Standard User
Edit	User_Integration	integ	integration@0005@00000chjxeav.com		✓	Analytics Cloud Integration User
Edit	User_Security	sec	insightssecurity@0005@00000chjxeav.com		✓	Analytics Cloud Security User

Step 7 : Create Record (Course Detail)

The screenshot shows the Salesforce Setup interface for managing users. The left sidebar includes sections for Apps, Items, Candidates, and View All. The main content area displays a list of users with columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The user list includes:

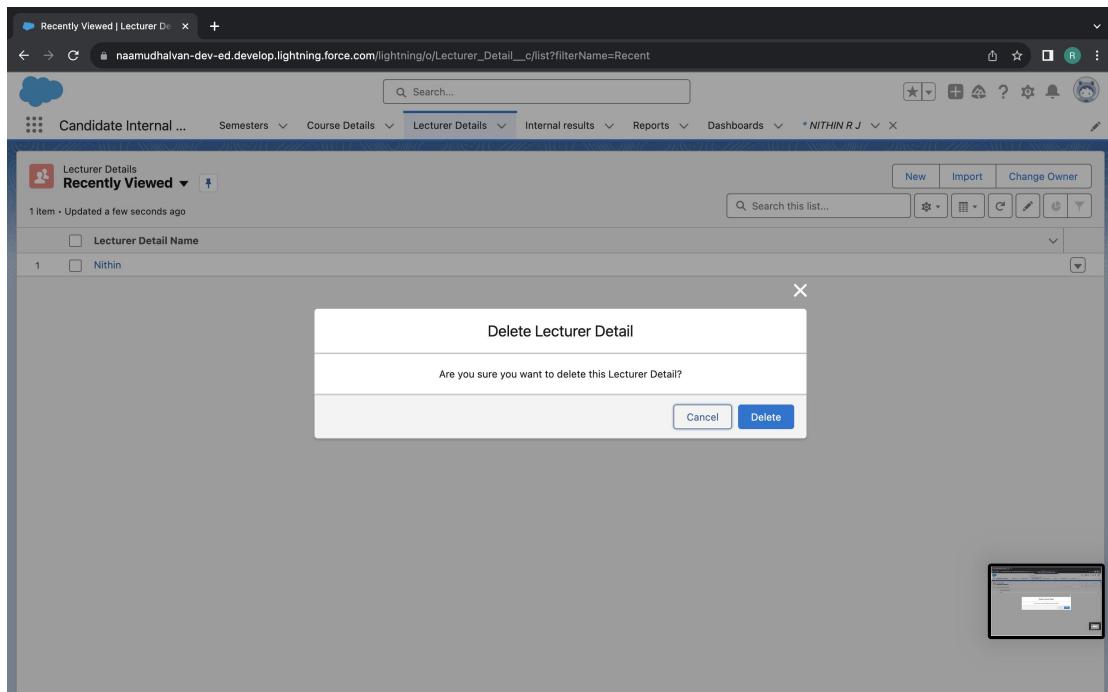
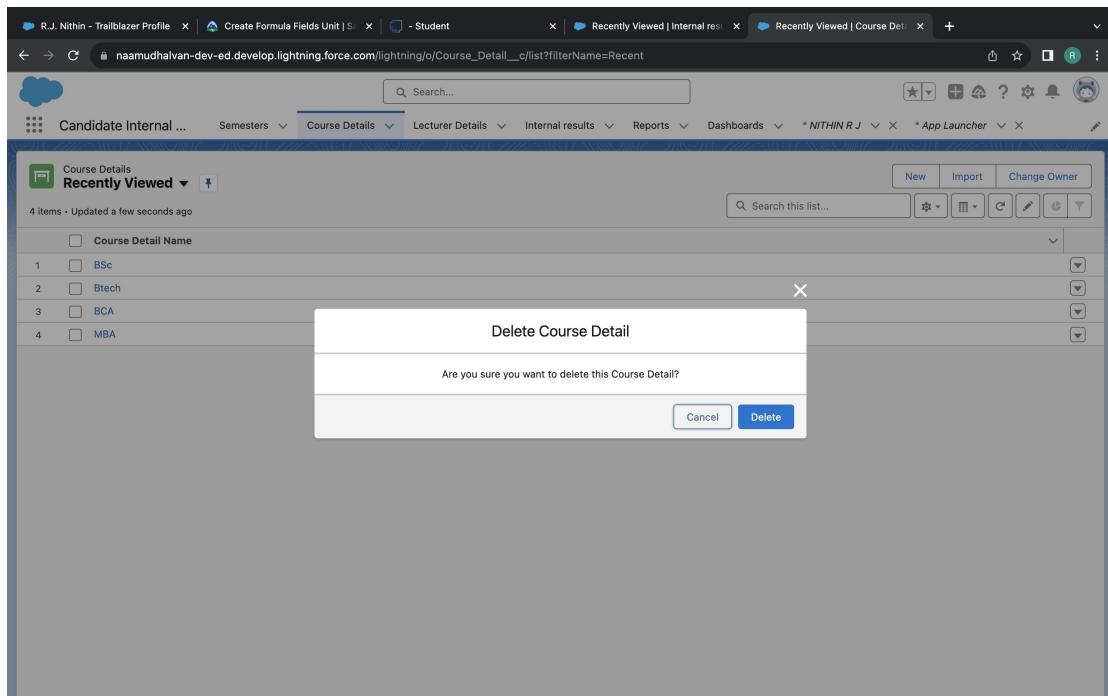
Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Exporter	Chatter	chatty@00d500000chjeav.onmhoqvly2vo@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	R.J. NITHIN	NR.J	nithin@salesforce		✓	System Administrator
<input type="checkbox"/> Edit	Teacher_Class	cteach	rjnithin25@gmail.com		✓	Standard User
<input type="checkbox"/> Edit	User_Integration	integ	integration@00d500000chjeav.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User_Security	sec	insightssecurity@00d500000chjeav.com		✓	Analytics Cloud Security User

Step 8 : View Record (Course Detail)

The screenshot shows the Salesforce Lightning Experience interface for viewing course details. The top navigation bar includes links for Semesters, Course Details, Lecturer Details, Internal results, Reports, Dashboards, and App Launcher. The main content area displays a list of course details with columns for Course Detail Name and various edit icons. The list includes:

Course Detail Name
1 BSc
2 Btech
3 BCA
4 MBA

Step 9 : Delete Record (Course Detail, Lecturer Detail)



Stepn10 : Create and View Report

The screenshot shows the Salesforce Reports page. The top navigation bar includes links for R.J. Nithin - Trailblazer Profile, Create Formula Fields Unit, Student, Recently Viewed, Reports, and App Launcher. The main content area is titled "Recent" under "Reports". It displays three recent reports in a table:

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Candidate Internal Result Report	New Semesters with Course Detail Report	Private Reports	NITHIN R J	16/10/2023, 9:08 pm	
	Sample Flow Report: Screen Flows	Which flows run, what's the status of each interview, and how long do users take to complete the screens?	Public Reports	Automated Process	18/8/2023, 12:19 pm	

The left sidebar contains navigation links for Reports (Recent, Created by Me, Private Reports, Public Reports, All Reports), Folders (All Folders, Created by Me, Shared with Me), and Favorites (All Favorites).

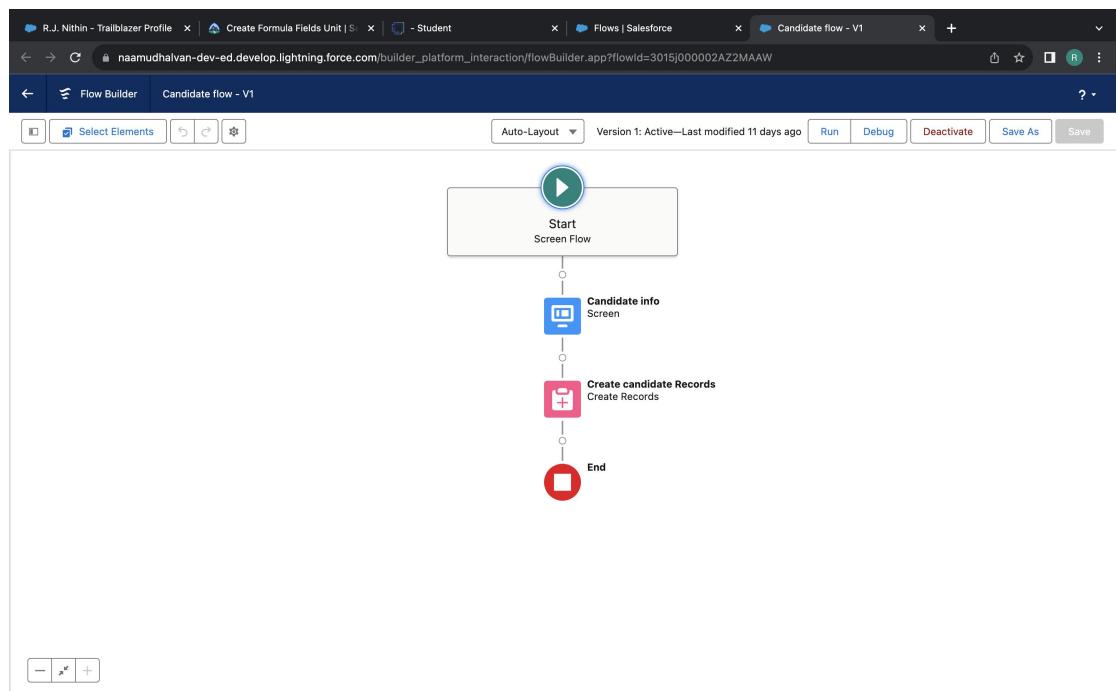
Step 11 : Create and view Dashboard

The screenshot shows the Salesforce Dashboards page. The top navigation bar includes links for R.J. Nithin - Trailblazer Profile, Create Formula Fields Unit, Student, Recently Viewed, Dashboards, and App Launcher. The main content area is titled "Recent" under "Dashboards". It displays six recent dashboards in a table:

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Candidate board	Internal results	Private Dashboards	NITHIN R J	21/10/2023, 1:13 am	
Created by Me	Internal results	Internal results	Private Dashboards	NITHIN R J	17/10/2023, 10:27 am	
Private Dashboards	Internal results	Course Details	Private Dashboards	NITHIN R J	17/10/2023, 10:24 am	
All Dashboards	Course Details	Candidate Internal Result Card	Private Dashboards	NITHIN R J	17/10/2023, 10:16 am	
FOLDERS	ddd	dd	Private Dashboards	NITHIN R J	6/10/2023, 12:08 pm	

The left sidebar contains navigation links for Dashboards (Recent, Created by Me, Private Dashboards, All Dashboards), Folders (All Folders, Created by Me, Shared with Me), and Favorites (All Favorites). A context menu is open over the last dashboard entry, showing options: View, Edit, Subscribe, Delete, Favorite, and Move.

Step 12 : Create a Flow



Step 13 : Create a Apex Class and Apex Trigger

The screenshot shows the Salesforce Developer Console interface. The tab bar includes 'File', 'Edit', 'Debug', 'Test', 'Workspace', 'Help', and 'Logs'. The current tab is 'InternalmarksHandler.apex'. The code editor contains the following Apex class:

```
1 public class InternalmarksHandler {
2     public static void beforeinsert(list<Internal_results__c> newlist){
3
4
5         for(Internal_results__c internalmarks : newlist){
6             if(internalmarks != null){
7                 internalmarks.
8             }else{
9                 internalmarks.
10            }internalmarks.
11        }
12    }
13
14
15
16
17
18
19
20
21
22}
```

A code completion dropdown is open over the line 'internalmarks.'. It lists various options under 'Entity Type': Classes, Triggers, Pages, Page Components, Objects, Static Resources, and Packages. Other visible items in the dropdown include 'UpdateStatusOnMarks', 'InternalmarksHandler', 'ContactAndLeadSearch', and 'Refresh'. The bottom of the screen shows the 'Logs' tab and a log list table.

R.J. Nithin - Trailblazer Profile | Create Formula Fields Unit | Student | Flows | Salesforce | Developer Console

naamudhalvan-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

InternalmarksHandler.apxc

Code Coverage: None API Version: 59 Go To

```
1 public class InternalmarksHandler {  
2     public static void beforeinsert(list<Internal_results__c> newlist){  
3  
4  
5         for(Internal_results__c internalmarks : newlist){  
6             if(internalmarks.  
7                 internalmarks.  
8             }else{  
9                 internalmarks.  
10            }  
11        }  
12    }  
13  
14    }  
15  
16 }  
17  
18 }  
19  
20 }  
21  
22 }
```

Open Entity Type Entities Related

Entity Type	Entities	Related
Entity Type	Name Namespace	Name Extent Direction
Classes	UpdateStatusOnMarks	<- Internal res... SObject References
Triggers	Internalmarks	
Pages		
Page Components		
Objects		
Static Resources		
Packages		

Open Filter Hide Managed Packages Refresh

Logs Tests Checkpoints Query Editor View State Progress Problems

User Application Operation Time Status Read Size

Filter Click here to filter the log list

