

IMPLEMENTING CRM FOR RESULT TRACKING OF A CANDIDATE WITH INTERNAL MARKS

INTRODUCTION

1.1 Overview

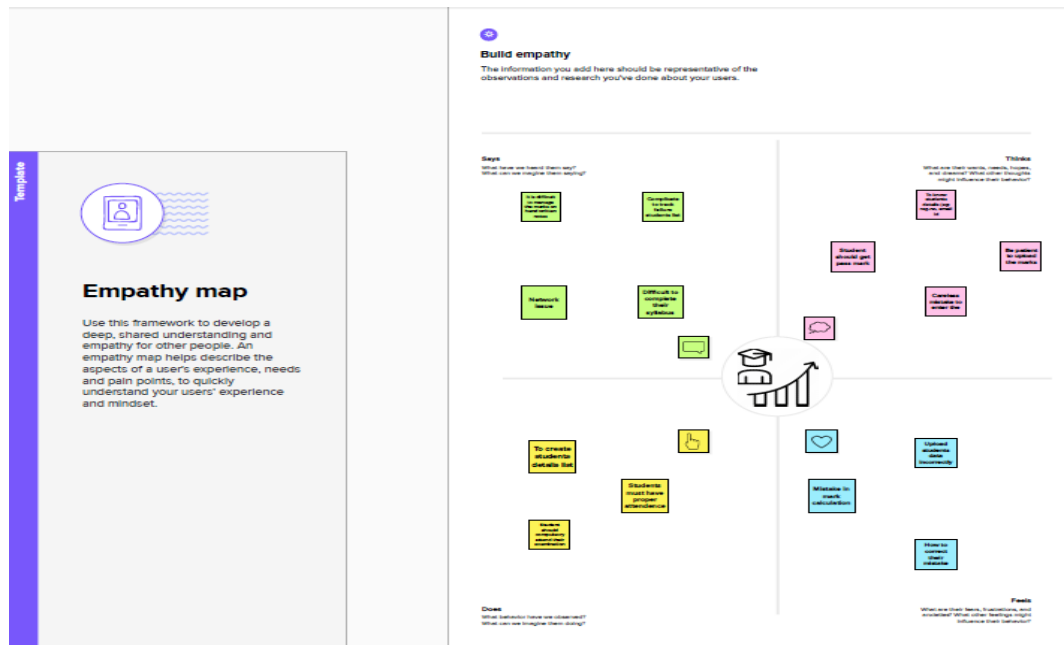
This project help to track a Students Result application using salesforce. Salesforce is customer relationship management application which is being used in almost all companies to have a friendly relationship with the customer in our project

Purpose

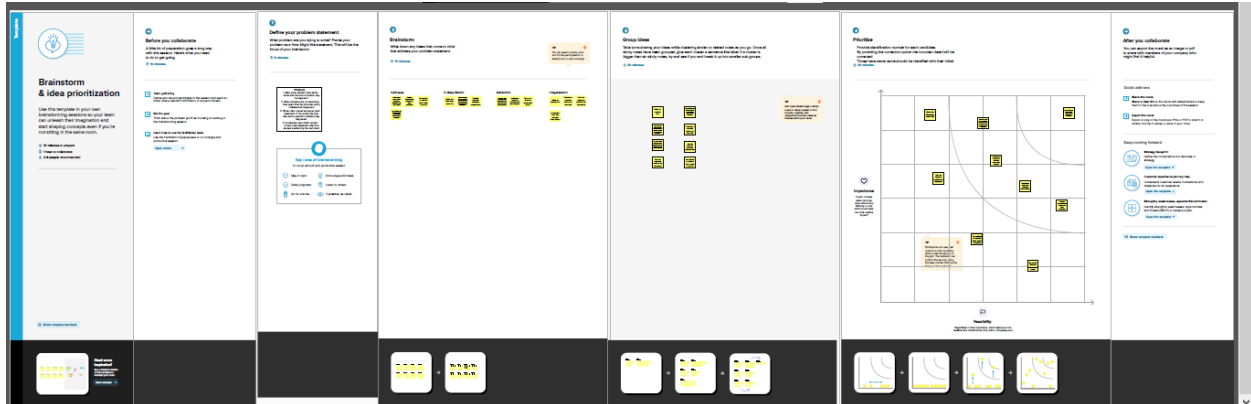
Students data tracking apps can assist teachers in determining which educational strategy works best for which students. Now that we have understood the benefits of a student tracking system, let us understand how maintaining student records can help improve learning.

PROBLEM DEFINING & DESIGN THINKING

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



RESULT

3.1 Data Model :

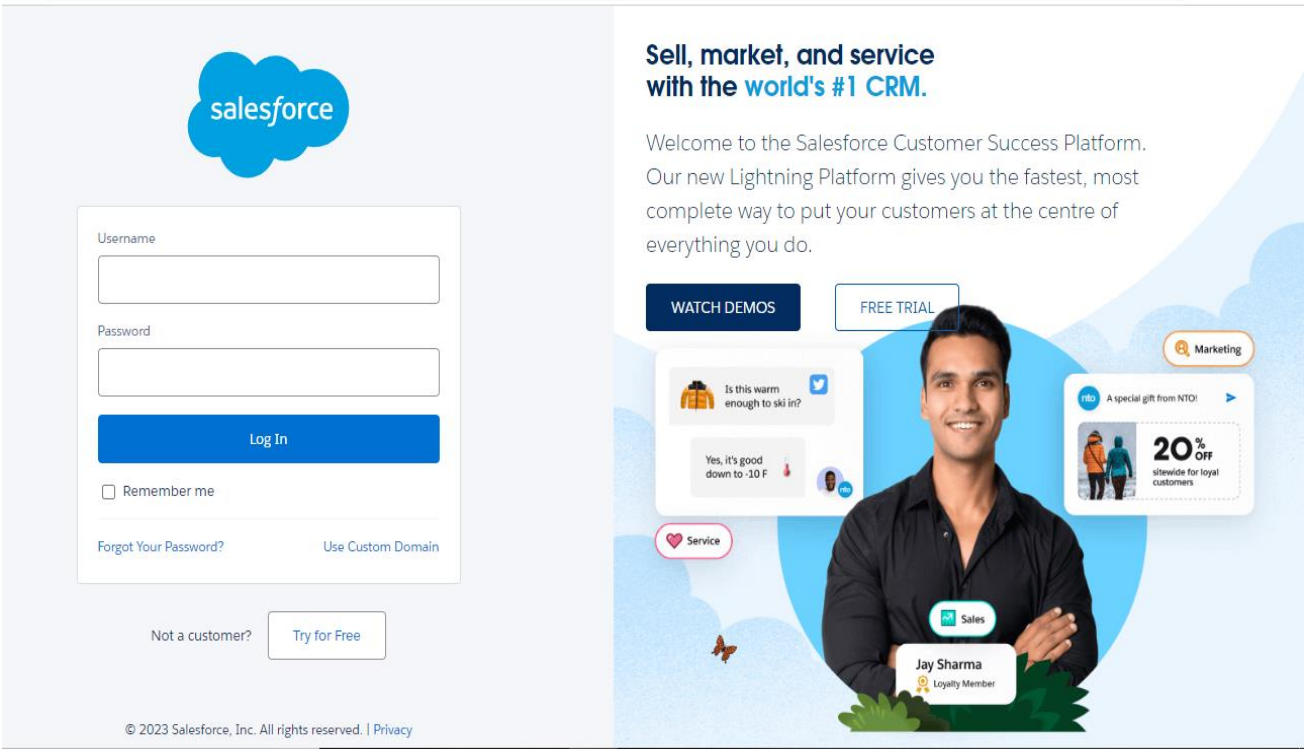
Object	Field in the Object	
Semester	Field Lable	Data Type
	Candidate	Text(40)
	Course detail	Text(20)
	Lecturer detail	Text(50)
	Semester	Text(20)
	Semester Name	Text(20)
Candidate	Field Label	Data Type
	Candidate name	Text(80)
Course Details	Field Label	Data Type
	Course Name	Text(80)
Lecturer Details	Field Label	Data Type
	Lecture detail Name	Text(80)

Internal result object	Field Label	Data Type
	Internal result name	Text(80)
	Internal result object	Text(10)

ACTIVITY & SCREENSHORT

1.Creating An Salesforce Account

We went to the website developer.salaesforce.com and signed up by giving our details



We gave our username and password which we created in the last step and logged in into the salesforce account

2.Object Creation

For this CANDIDATE INTERNAL RESULT CARD we need to create five objects namely

1.SEMESTER

The screenshot shows the Salesforce Object Manager interface for the 'Semester' object. The left sidebar contains a list of configuration options: 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, and List View Button Layout. The main area is titled 'Details' and includes an 'Edit' button and a 'Delete' button. The configuration details are as follows:


Field	Value
Description	
API Name	Semester__c
Custom	✓
Singular Label	Semester
Plural Label	Semesters
Enable Reports	✓
Track Activities	
Track Field History	
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

2.CANDIDATE

The screenshot shows the Salesforce Object Manager interface for the 'Candidate' object. The left sidebar contains a list of configuration options: 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, and List View Button Layout. The main area is titled 'Details' and includes an 'Edit' button and a 'Delete' button. The configuration details are as follows:


Field	Value
Description	
API Name	Candidate__c
Custom	✓
Singular Label	Candidate
Plural Label	Candidates
Enable Reports	✓
Track Activities	
Track Field History	
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

3.COURSE DETAILS












Setup

Home

Object Manager 

Search Setup



SETUP > 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

Details

Description

API Name

Course_detail__c

Custom

✓

Singular Label

Course detail

Plural Label

Course details

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed


Help Settings

Standard salesforce.com Help Window

Edit









Delete

4.LECTURER DETAILS


Setup

Home
Object Manager

Search Setup

SETUP > OBJECT MANAGER

Lecture 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

Details

Description

API Name

Lecture_detail__c

Custom

✓

Singular Label

Lecture detail

Plural Label

Lecture details

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

5.INTERNAL RESULTS

The screenshot shows the Salesforce Setup interface for the 'Internal result object'. The left sidebar contains a navigation menu with options like 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, and List View Button Layout. The main content area is titled 'Internal result object' and includes a 'Details' tab. The details section shows the object's description, API Name (Internal_result__c), Custom status, Singular Label (Internal result object), Plural Label (Internal result objects), and various settings like Enable Reports (checked), Track Activities, Track Field History, Deployment Status (Deployed), Help Settings, and Standard salesforce.com Help Window. There are 'Edit' and 'Delete' buttons in the top right corner.

3.Creating Fields and Relationship


Fields and Relationships are created by custom relationship fields on an object

1.SEMESTER








The screenshot shows the Salesforce Setup interface for the 'Semester' object, specifically the 'Fields & Relationships' section. The left sidebar contains a navigation menu with options like 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, and List View Button Layout. The main content area is titled 'Semester' and includes a 'Fields & Relationships' tab. The details section shows a list of 8 items, sorted by Field Label. The table below lists the fields and their properties.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Candidate	Candidate__c	Text(40)		
course detail	course_detail__c	Text(20)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Lecturer detail	Lecture_detail__c	Text(50)		
Owner	OwnerId	Lookup(User,Group)		✓
Semester	Semester__c	Text(20)		
Semester Name	Name	Text(80)		✓

2.CANDIDATE



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER
Candidate

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

Fields & Relationships


4 Items, Sorted by Field Label

Quick Find








NewDeleted FieldsField DependenciesSet History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Candidate Name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

3.COURSE DETAILS



Search Setup



SetupHomeObject Manager

SETUP > 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

Fields & Relationships

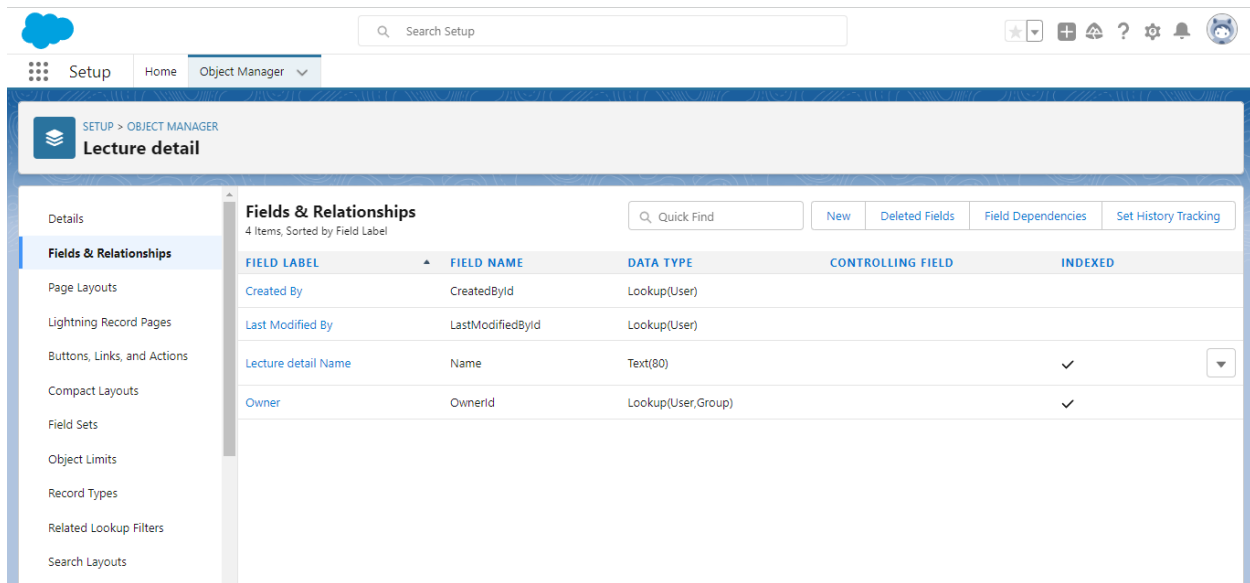
4 Items, Sorted by Field Label

Quick Find

NewDeleted FieldsField DependenciesSet History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course detail Name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

4.LECTURER DETAILS

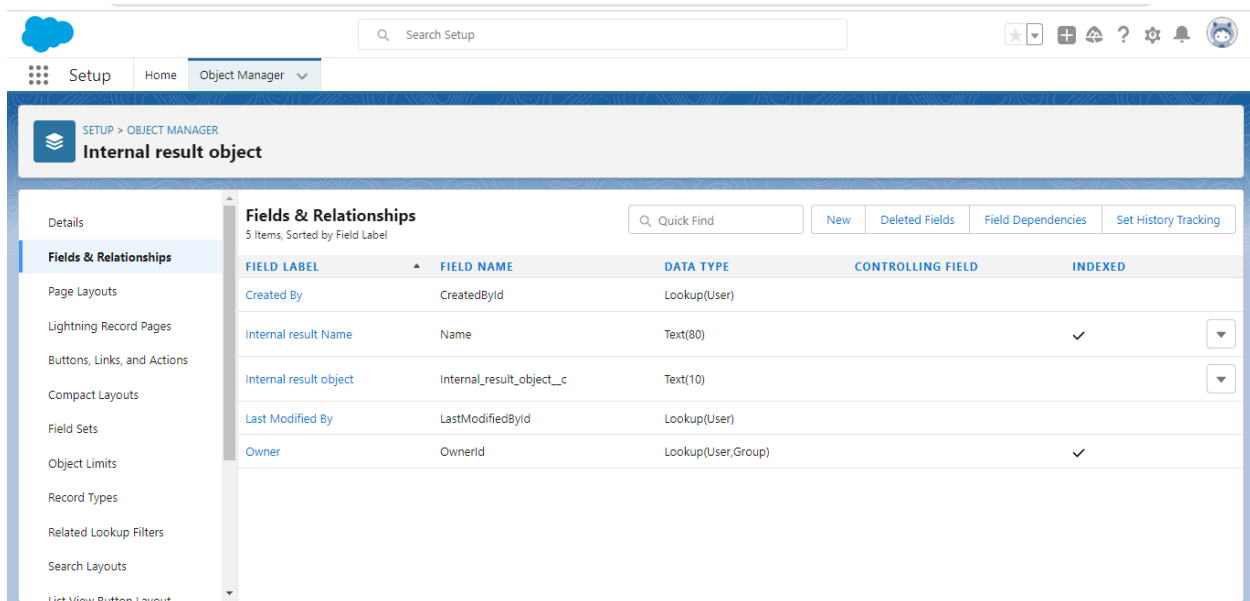


The screenshot shows the Salesforce Setup interface for the 'Lecture detail' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Lecture detail' and shows the 'Fields & Relationships' section with 4 items, sorted by Field Label. The table lists the following fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Lecture detail Name	Name	Text(80)		✓
Owner	OwnerId	Lookup(User,Group)		✓

At the top of the main content area, there is a search bar labeled 'Search Setup' and a navigation bar with links: New, Deleted Fields, Field Dependencies, and Set History Tracking.

5.INTERNAL RESULTS



The screenshot shows the Salesforce Setup interface for the 'Internal result object' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Internal result object' and shows the 'Fields & Relationships' section with 5 items, sorted by Field Label. The table lists the following fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Internal result Name	Name	Text(80)		✓
Internal result object	Internal_result_object__c	Text(10)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

At the top of the main content area, there is a search bar labeled 'Search Setup' and a navigation bar with links: New, Deleted Fields, Field Dependencies, and Set History Tracking.

4.Lightning App Creation

We create the Candidate Internal Result Card

←

Lightning App Builder

App Settings

Pages

Candidate Internal Result Card

?

Help

App Settings

App Details & Branding

App Options

Utility Items (Desktop Only)

Navigation Items

User Profiles

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

* App Name

Candidate Internal Result Card

* Developer Name

Candidate_Internal_Result_Card

Description

Enter a description...

App Branding

Image

Upload

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

CI

Candidate Internal Result C...

←

Lightning App Builder

App Settings

Pages

Candidate Internal Result Card

Help

App Settings

App Details & Branding

App Options

Utility Items (Desktop Only)

Navigation Items

User Profiles

Navigation Items

Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.

Available Items

Create

Type to filter list...

Accounts

Alert Settings

All Sites

Alternative Payment Methods

App Launcher

Appointment Invitations

Approval Requests

Asset Action Sources

Selected Items

Semesters

Candidates

Course details

Lecture details

Internal result objects

5.Users Creation

In setup tab to find User and create a salesforce user

Home Chatter Libraries Content Subscriptions Semesters Candidates Courses Lecture details Internal result objects Course details +

It's Better in Lightning
Move to Lightning Experience and give your users a productivity boost.

Quick Find / Search...
Expand All | Collapse All

Lightning Experience Transition Assistant
Move to the new, more productive Salesforce.
Get Started

Salesforce Mobile Quick Start

Home

Administrator
Release Updates
Manage Users
Users

All Users

On this page you can create, view, and manage users.
In addition, download SalesforceA to view and edit user details, reset passwords, and perform other administrative tasks from your mobile devices: [iOS](#) | [Android](#)

View: All Users | Edit | Create New User

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | All

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatty.00d2w00000rkdr5eah.4@inspottz1@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	Kannimuthu, Dheepa	DKann	kdheepa2002@gmail.com		✓	System Administrator
<input type="checkbox"/> Edit	Martin John	jmart	kdheepa2002@kd.com		✓	salesforce user
<input type="checkbox"/> Edit	User Integration	integ	integration@00d2w00000rkdr5eah.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightssecurity@00d2w00000rkdr5eah.com		✓	Analytics Cloud Security User

New User | Reset Password(s) | Add Multiple Users

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | All

6.Reports

We create report from the report tab and candidate with candidate marks report type

Search...

Candidate Internal ... Semesters Candidates Course details Lecture details Internal result objects Reports

Reports

All Reports
3 items

Search all reports... New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Accounts with Assets candidate report		Private Reports	Dheepa Kannimuthu	10/4/2023, 12:26 pm	
Created by Me	internal result tracking		Public Reports	Dheepa Kannimuthu	10/4/2023, 11:38 am	
Private Reports	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	12/3/2023, 5:50 pm	

FOLDERS

All Folders

Created by Me

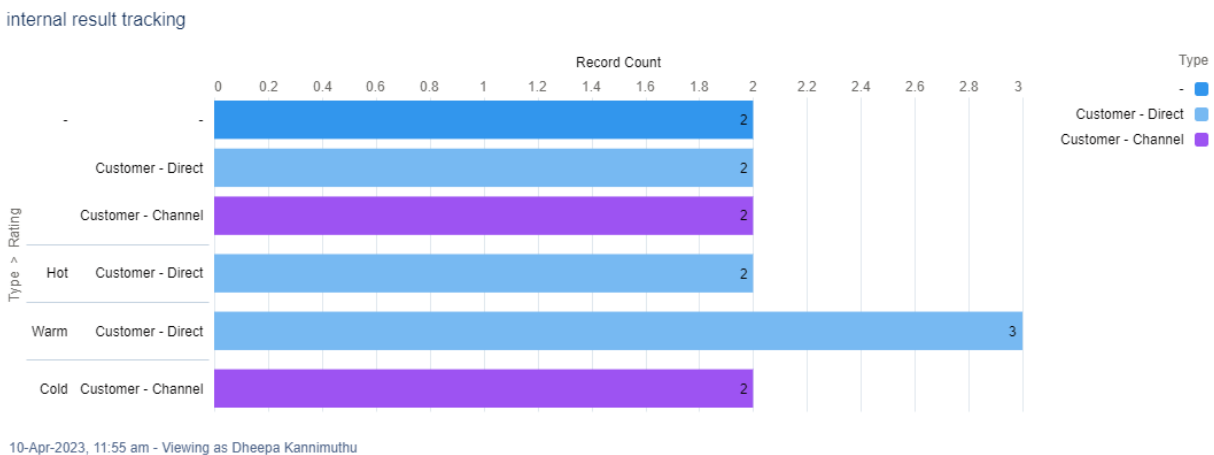
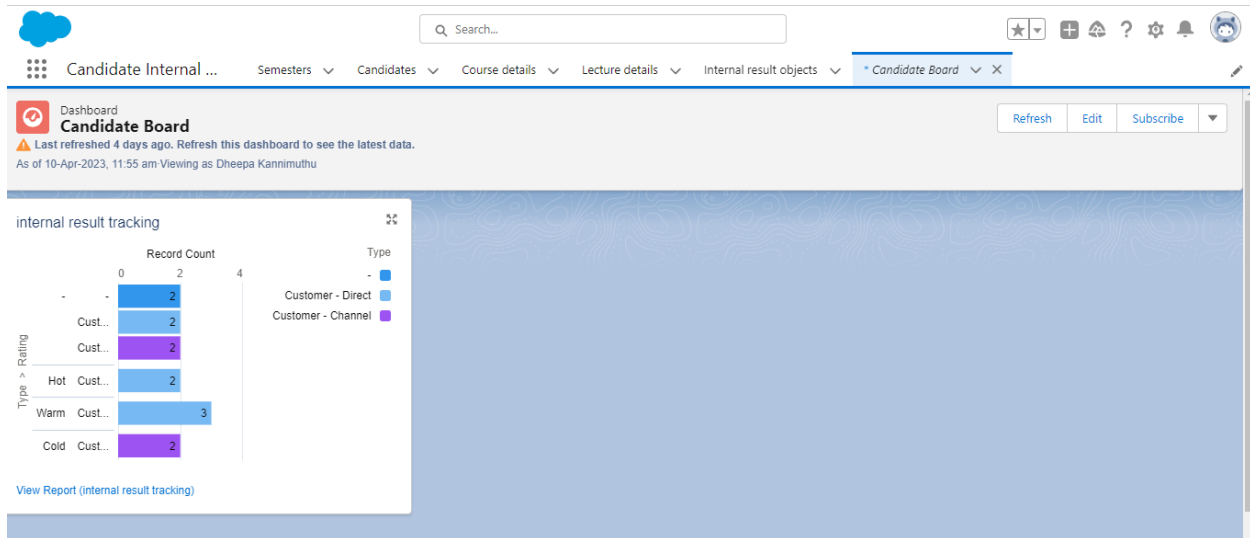
Shared with Me

FAVORITES

All Favorites

7.Dashboards

In the Candidate Internal Result Card App we went inside the dashboard tab and created a containing a chart



Trailhead Profile Public URL

Team Lead- <https://trailblazer.me/id/dkannimuthu>

Team Member1- <https://trailblazer.me/id/miyankani>

Team Member 2- <https://trailblazer.me/id/babyk4>

Team Member3-<https://trailblazer.me/id/nnanthu3>

ADVANTAGE :

- ❖ Easy to Update
- ❖ Faster Process
- ❖ Student Convenience
- ❖ Easily Accessible

DISADVANTAGE:

- ❖ Poor internet connectivity causes problem since it is internet dependent

APPLICATION:

- ❖ The result tracking of a candidate with internal marks is used to solution that allows school and college to give exams and post result online, providing student an easy way to view their progress. This application allows to save time on processing student result as the data will be accessible online. It is also useful for students to improve our grade and marks

CONCLUSION:

- ❖ The implementing CRM for result tracking app to usefull to lecture to track their students marks and grade.

FUTURE SCOPE :

- ❖ The students result tracking app is to manage the grades & result of various examinations, courses etc. It manages all the details about the result, exam, students, activity and grade etc.
- ❖ Its provide the students an convenient and simpler way to check their results and for evaluating the total aggregate and the percentage for the semester results available