

Project Report

IMPLEMENTING CRM FOR RESULT TRACKING OF A CANDIDATE WITH INTERNAL MARKS

1 INTRODUCTION

1.1 Overview

Salesforce program called "Result tracking of a Candidate" is made to make it easier for educational institutions to keep track of the academic performance of their pupils. From the establishment of exam schedules to the release of results, the entire result management process is automated. The program makes it simple and effective to manage a lot of student data, including their identity, enrolment information, and academic standing.

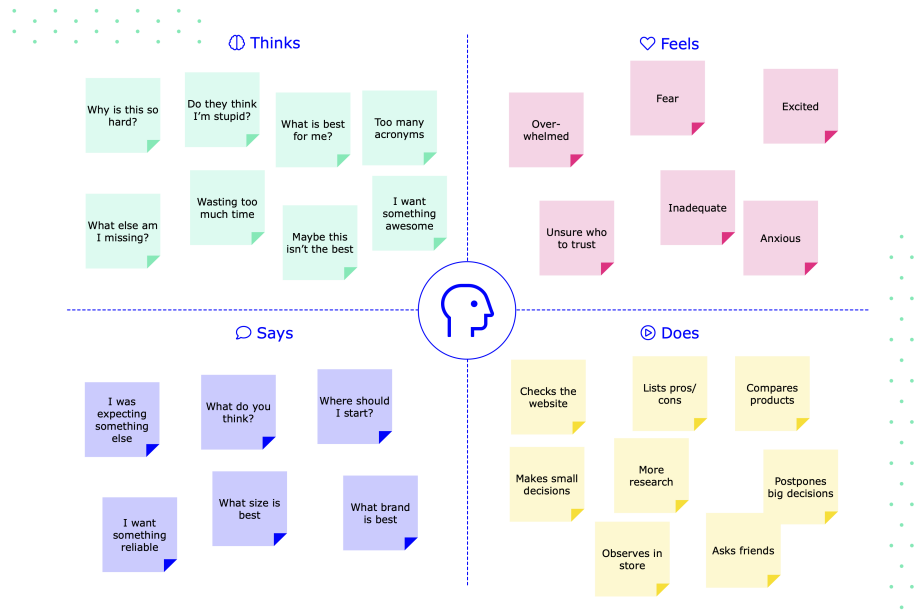
1.2 Purpose

Data backup in case of unforeseen events, data security against unauthorized access and cyberattacks, data retention, data access control, data classification, and compliance with all legal procedures are all provided.

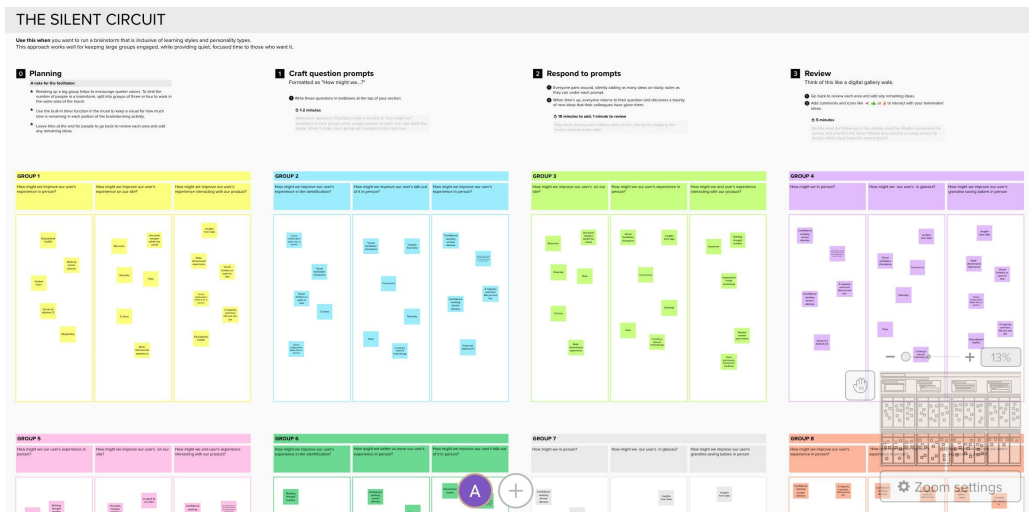
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2 Problem Definition & Design Thinking

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



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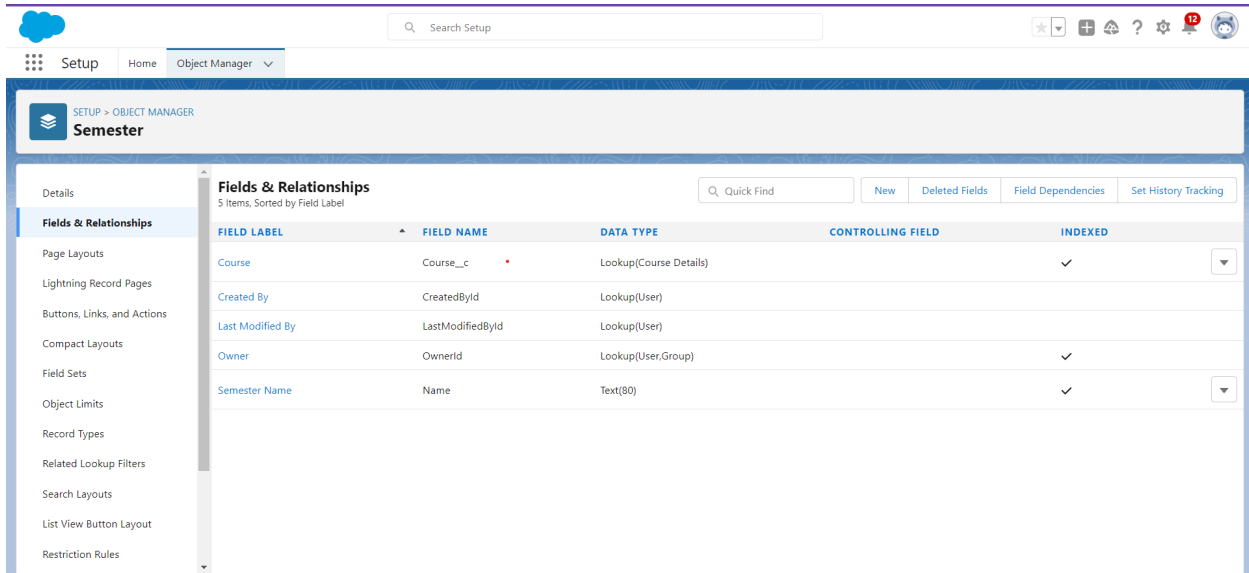
3 RESULTS

3.1 Data Model:

Object name	Fields in the Object	
Object-1 SEMESTER	FIELD LABEL	DATA TYPE
	Semester Name	Text
	Course Details	Lookup
Object-2 CANDIDATES	FIELD LABEL	DATA TYPE
	Candidate Name	Text
	Candidate ID	Text
	Semester Name	Text
	Internal Marks	Lookup
Object-3 COURSE DETAILS	FIELD LABEL	DATA TYPE
	Course Name	Text
	Course ID	Text
Object-4 LECTURER DETAILS	FIELD LABEL	DATA TYPE
	Lecturer Name	Text Long
	Lecturer Roll	Text
	Course ID	Text
	Course Details	Lookup
Object-5 INTERNAL RESULTS	FIELD LABEL	DATA TYPE
	Candidate ID	Text
	Course ID	Text
	Marks	Number

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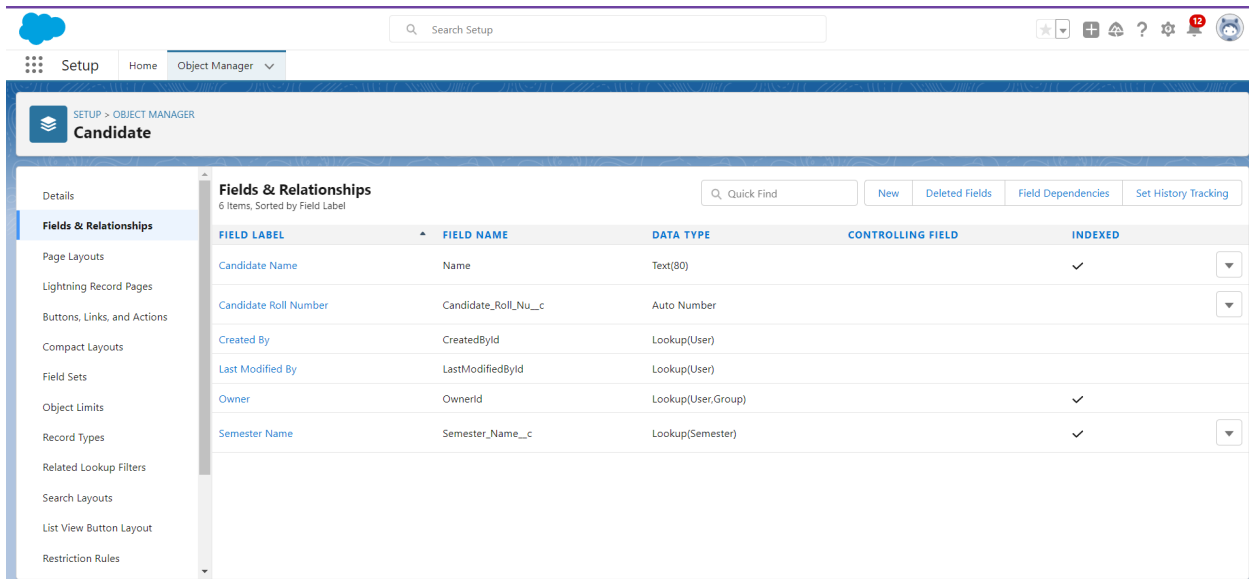
3.2 Activity & Screenshot



The screenshot shows the Salesforce Setup interface for the 'Semester' object. The 'Fields & Relationships' tab is selected, displaying a table of 5 fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Course, Created By, Last Modified By, Owner, and Semester Name.

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

All the fields for the semester object have been created

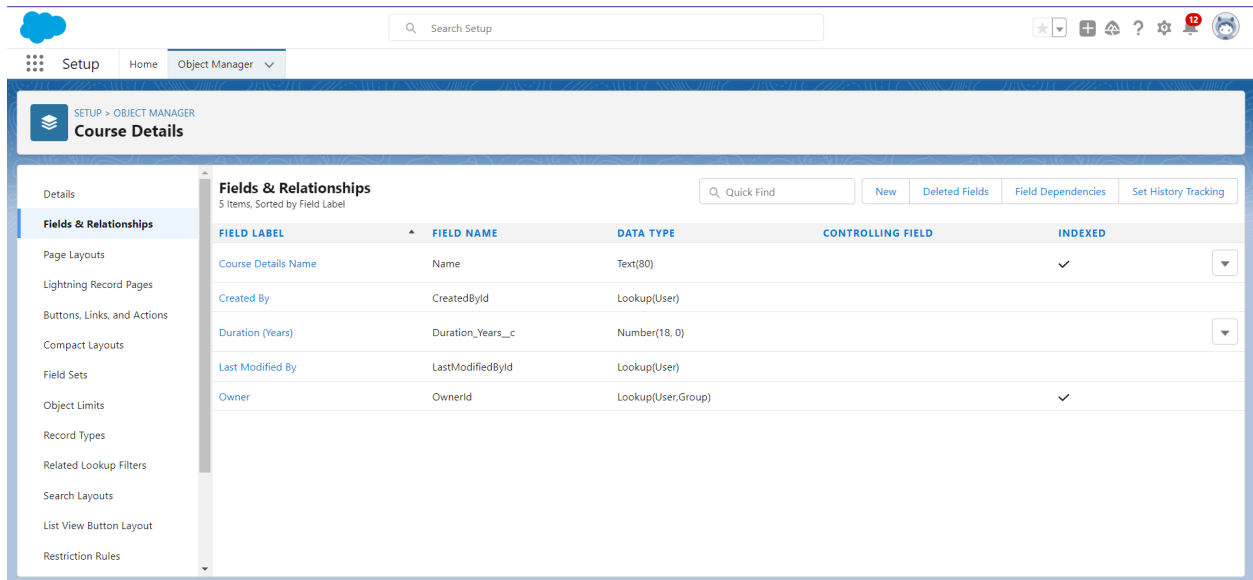


The screenshot shows the Salesforce Setup interface for the 'Candidate' object. The 'Fields & Relationships' tab is selected, displaying a table of 6 fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Candidate Name, Candidate Roll Number, Created By, Last Modified By, Owner, and Semester Name.

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

All the fields for Candidate Object have been created

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SETUP > OBJECT MANAGER
Course Details

Details

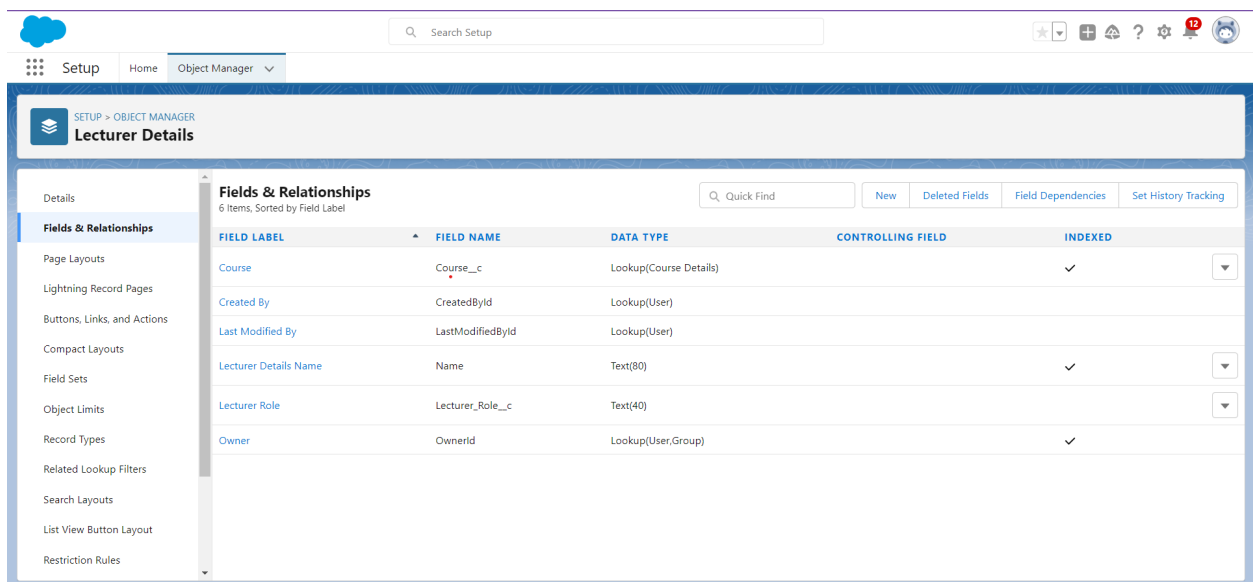
Fields & Relationships
5 Items, Sorted by Field Label

Quick Find: [] New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course Details Name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Duration (Years)	Duration_Years__c	Number(18, 0)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

Left sidebar menu: 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

All the fields for Course Detail Object have been created



SETUP > OBJECT MANAGER
Lecturer Details

Details

Fields & Relationships
6 Items, Sorted by Field Label

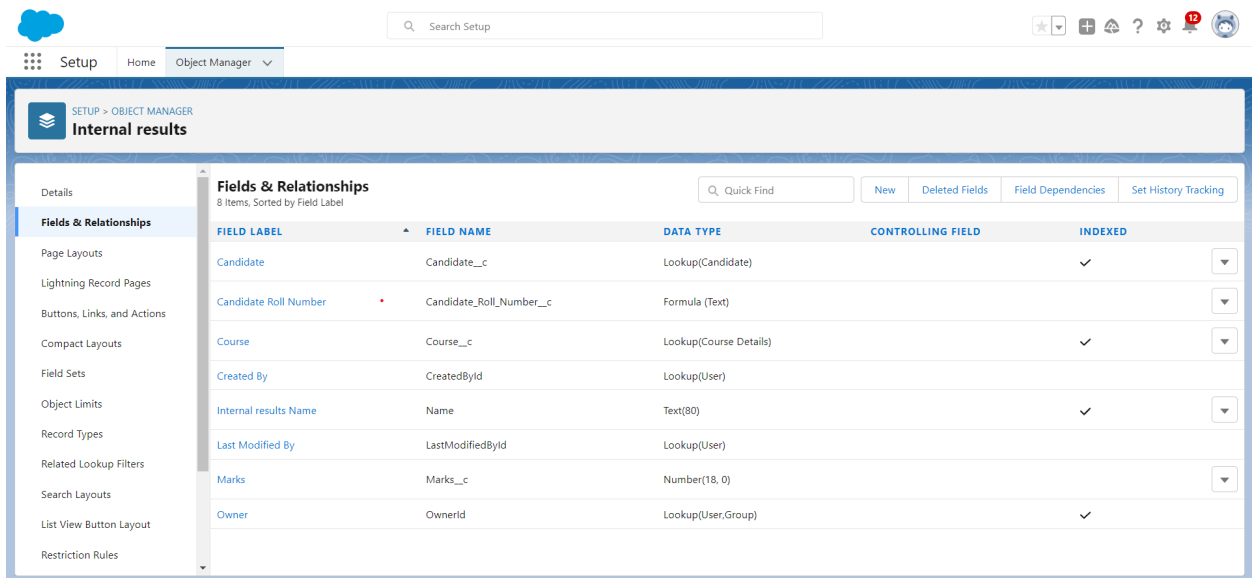
Quick Find: [] New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course	Course__c	Lookup(Course Details)		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Lecturer Details Name	Name	Text(80)		✓
Lecturer Role	Lecturer_Role__c	Text(40)		
Owner	OwnerId	Lookup(User,Group)		✓

Left sidebar menu: 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

All the fields for Lecturer Detail Object have been created

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Setup > OBJECT MANAGER

Internal results

Details

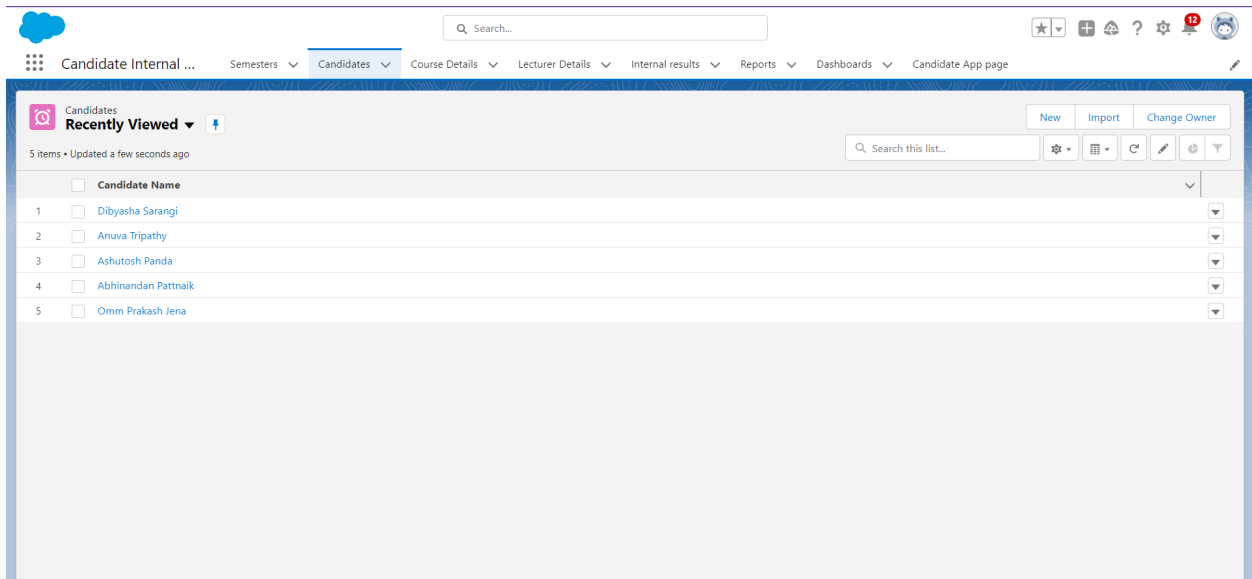
Fields & Relationships
8 Items, Sorted by Field Label

Quick Find: [Search]

New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Candidate	Candidate__c	Lookup(Candidate)		✓
Candidate Roll Number	Candidate_Roll_Number__c	Formula (Text)		
Course	Course__c	Lookup(Course Details)		✓
Created By	CreatedById	Lookup(User)		
Internal results Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓

All the fields for Internal Marks have been created



Candidate Internal ... Semesters Candidates Course Details Lecturer Details Internal results Reports Dashboards Candidate App page

Candidates

Recently Viewed [Filter]

5 items • Updated a few seconds ago

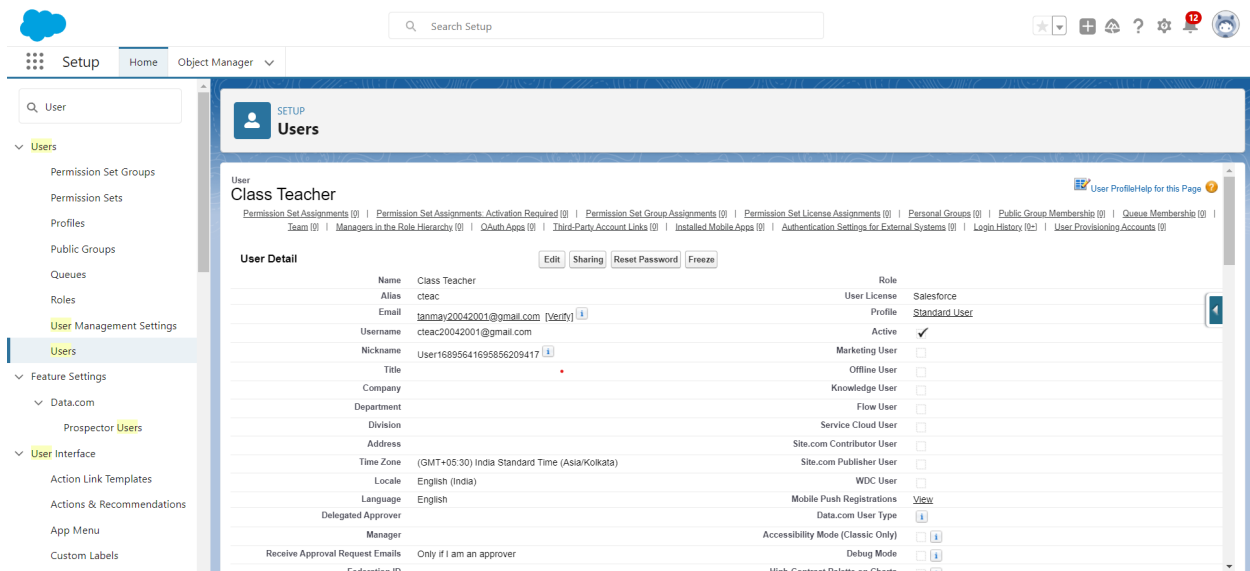
Search this list...

New Import Change Owner

	Candidate Name
1	<input type="checkbox"/> Dibyasha Sarangi
2	<input type="checkbox"/> Anuva Tripathy
3	<input type="checkbox"/> Ashutosh Panda
4	<input type="checkbox"/> Abhinandan Pattnaik
5	<input type="checkbox"/> Omm Prakash Jena

The lightning app has been created according to procedure

Project Report



Setup Users

User: **Class Teacher**

[Permission Set Assignments](#) | [Permission Set Assignments Activation Required](#) | [Permission Set Group Assignments](#) | [Permission Set License Assignments](#) | [Personal Groups](#) | [Public Group Membership](#) | [Queue Membership](#) | [Team](#) | [Managers in the Role Hierarchy](#) | [OAuth Apps](#) | [Third-Party Account Links](#) | [Installed Mobile Apps](#) | [Authentication Settings for External Systems](#) | [Login History](#) | [User Provisioning Accounts](#)

User Detail

Name	Class Teacher	Role	Salesforce
Alias	cleac	User License	Standard User
Email	tanmay20042001@gmail.com [Verify]	Profile	Active
Username	cleac20042001@gmail.com	Marketing User	<input type="checkbox"/>
Nickname	User16895641695856209417 [i]	Offline User	<input type="checkbox"/>
Title		Knowledge User	<input type="checkbox"/>
Company		Flow User	<input type="checkbox"/>
Department		Service Cloud User	<input type="checkbox"/>
Division		Site.com Contributor User	<input type="checkbox"/>
Address		Site.com Publisher User	<input type="checkbox"/>
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	WDC User	<input type="checkbox"/>
Locale	English (India)	Mobile Push Registrations	<input type="checkbox"/>
Language	English	Data.com User Type	<input type="checkbox"/>
Delegated Approver		Accessibility Mode (Classic Only)	<input type="checkbox"/>
Manager		Debug Mode	<input type="checkbox"/>
Receive Approval Request Emails	Only if I am an approver	High Contrast Palette on Charts	<input type="checkbox"/>
Federation ID			

The user Class Teacher was created and Salesforce user profile is assigned to him/her

Report: Internal results with Candidate

Candidate Report With Internal Result

Enable Field Editing | Add Chart | Edit

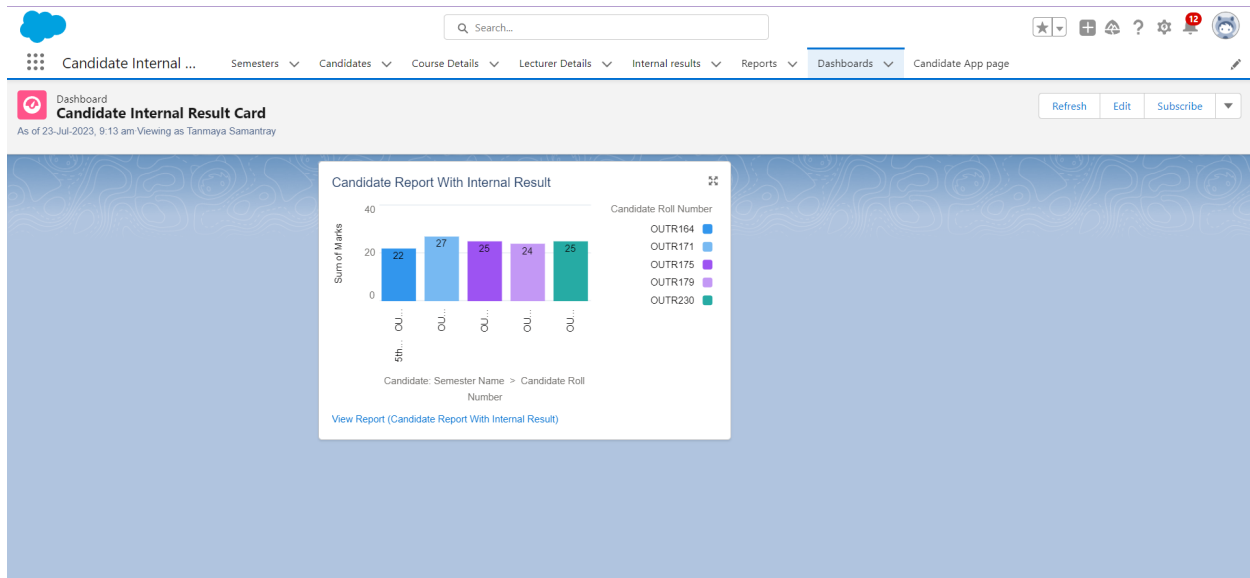
Total Records: 5

Candidate: Semester Name	Candidate Roll Number	Candidate: Candidate Name	Marks
5th Semester (5)	OUTR164 (1)	Abhinandan Pattnaik	22
	OUTR171 (1)	Ashutosh Panda	27
	OUTR175 (1)	Anug Tripathy	25
	OUTR179 (1)	Dibyasha Sarangi	24
	OUTR230 (1)	Omm Prakash Jena	25

Row Counts: ☒ Detail Rows: ☒ Subtotals: ☐ Grand Total: ☐

The Report has been created

Project Report



In dashboard Vertical Bar Chart has been added

4. Trailhead Profile Public URL

Tanmaya Samantray : <https://trailblazer.me/id/tsamantray>

5. ADVANTAGES

- Provides performance data to pinpoint areas where pupils need further assistance.
- Automates the processing of the results, saving time and resources.
- Offers a secure setting for handling and storing student data.
- Decreases the possibility of human error, increasing precision.
- Improves the standard of education as a whole.
- Enhances interaction between teachers, parents, and students.

6. DISADVANTAGES

- To use the software efficiently, you must receive the required instruction and training.
- Software for result management can be expensive to implement.
- Because result management software can be complicated, technological

problems like system crashes or software flaws might delay or erroneously process results.

7. APPLICATIONS

- Salesforce result tracking software can assist in identifying areas where students require further assistance and in improving the overall quality of education.
- It also facilitates communication among teachers, parents, and students by letting parents to see their child's grades, attendance, and other information online.
- The software can collect and evaluate student comments, allowing teachers and administrators to gauge student satisfaction and find areas for improvement.

8. CONCLUSION

A school result management system's ability to automatically generate report cards for pupils is known as report card generation. A report card often contains details regarding a student's academic performance, attendance, and conduct during the course of a specific academic period, like a semester or school year.

9. FUTURE SCOPES

- In the public sector, result management software can assist in ensuring the accuracy, integrity, and accessibility of public data, such as survey or election results.
- Sports coaches and trainers may track athlete progress, make data-driven decisions, and enhance performance with the use of result management software.
- Healthcare practitioners can manage patient data, test results, and medical records with the aid of result management software. Additionally, it can increase the efficiency and precision of diagnosis and therapy.
- Software for managing results in research can help researchers organize and analyze data more effectively, increase accuracy, and expedite the research process.
- Software for managing results can assist businesses manage performance measures, sales data, and customer feedback.