

IMPLEMENTING CRM FOR RESULT TRACKING OF A CANDIDATE WITH INTERNAL MARKS

1 INTRODUCTION

1.1 Overview

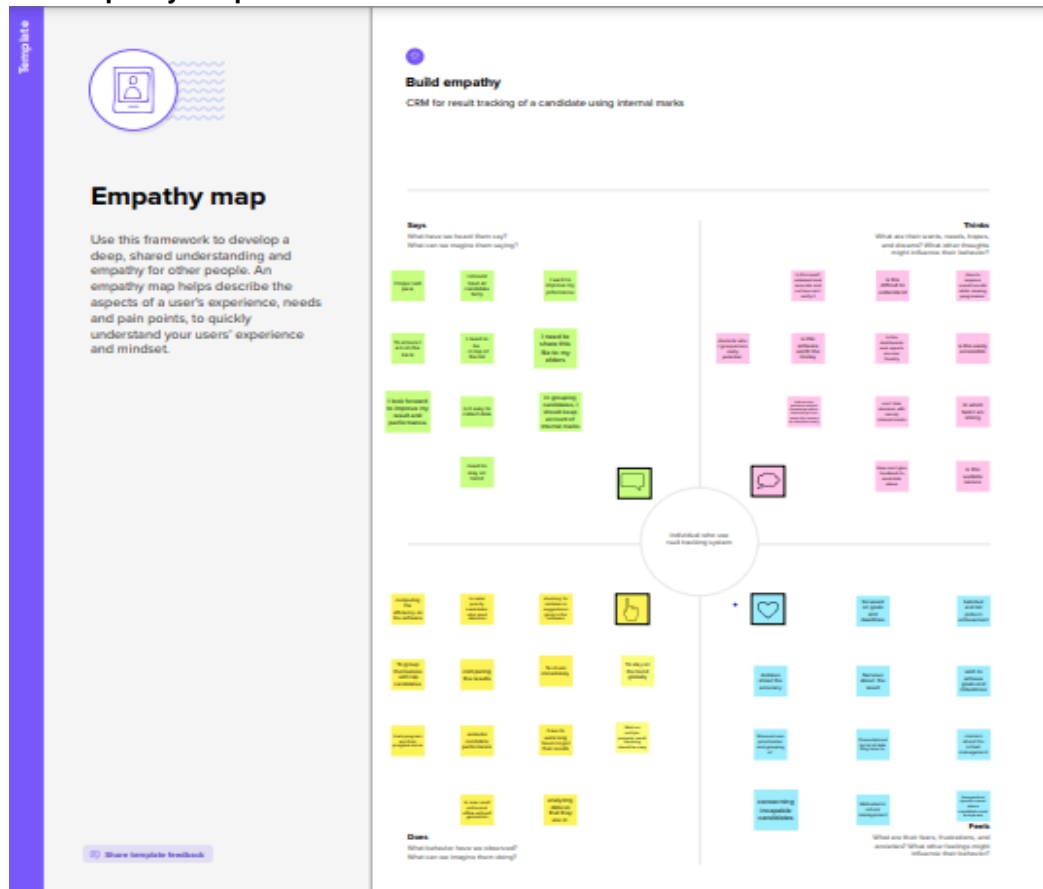
Result tracking of a Candidate is a type of salesforce software that is designed to help educational institutions manage the results of their students. It automates the entire process of result management, right from the creation of exam schedules to the publication of results. The software allows for easy and efficient management of large amounts of student data, including their personal information, enrollment details, and academic performance.

1.2 Purpose

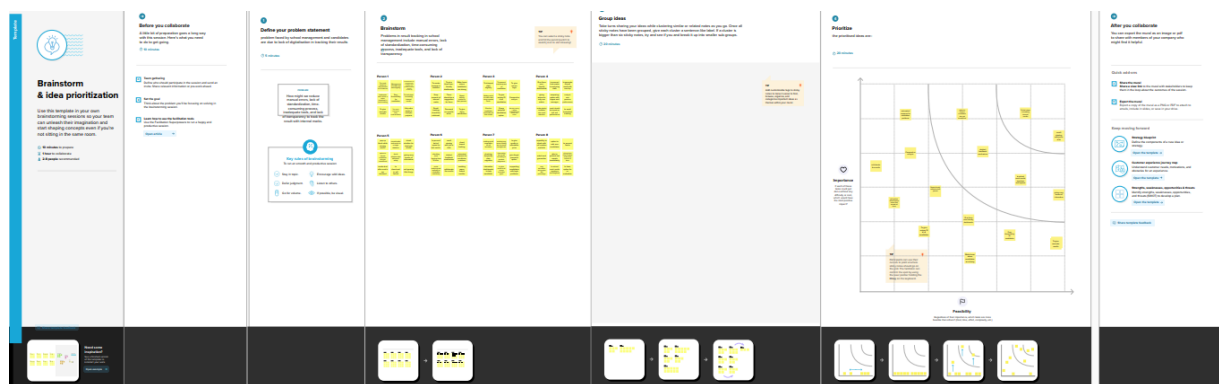
To provide data backup while in unforeseen circumstances, data security from unauthorized access and cyber attacks, data retention, data access control, data classification and to provide compliance with all law procedures

2 Problem Definition & Design Thinking

2.1 Empathy Map



2.2 Ideation & Brainstorming Map

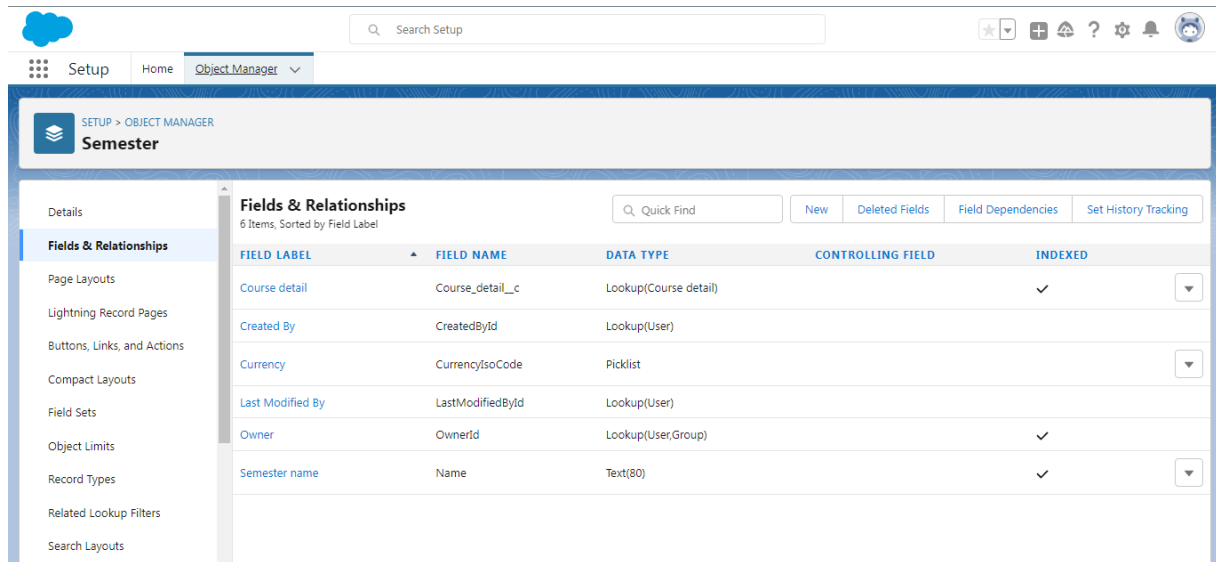


3 RESULTS3.1 Data Model:

| Object name | Fields in the Object | | | | | | | | | | |
|------------------------------|--|-------------|-----------|----------------|-----------|----------------|--------|---------------|--------|------------------|--------|
| Object-1 SEMESTER | <table> <tr> <th>FIELD LABEL</th><th>DATA TYPE</th></tr> <tr> <td>Semester Name</td><td>Text</td></tr> <tr> <td>Course details</td><td>Lookup</td></tr> </table> | FIELD LABEL | DATA TYPE | Semester Name | Text | Course details | Lookup | | | | |
| FIELD LABEL | DATA TYPE | | | | | | | | | | |
| Semester Name | Text | | | | | | | | | | |
| Course details | Lookup | | | | | | | | | | |
| Object-2 CANDIDATES | <table> <tr> <th>FIELD LABEL</th><th>DATA TYPE</th></tr> <tr> <td>Candidate Name</td><td>Text</td></tr> <tr> <td>Candidate ID</td><td>Text</td></tr> <tr> <td>Semester Name</td><td>Text</td></tr> <tr> <td>Internal results</td><td>Lookup</td></tr> </table> | FIELD LABEL | DATA TYPE | Candidate Name | Text | Candidate ID | Text | Semester Name | Text | Internal results | Lookup |
| FIELD LABEL | DATA TYPE | | | | | | | | | | |
| Candidate Name | Text | | | | | | | | | | |
| Candidate ID | Text | | | | | | | | | | |
| Semester Name | Text | | | | | | | | | | |
| Internal results | Lookup | | | | | | | | | | |
| Object-3 COURSE DETAILS | <table> <tr> <th>FIELD LABEL</th><th>DATA TYPE</th></tr> <tr> <td>Course Name</td><td>Text</td></tr> <tr> <td>Course ID</td><td>Text</td></tr> </table> | FIELD LABEL | DATA TYPE | Course Name | Text | Course ID | Text | | | | |
| FIELD LABEL | DATA TYPE | | | | | | | | | | |
| Course Name | Text | | | | | | | | | | |
| Course ID | Text | | | | | | | | | | |
| Object-4 LECTURER DETAILS | <table> <tr> <th>FIELD LABEL</th><th>DATA TYPE</th></tr> <tr> <td>Lecturer Role</td><td>Text long</td></tr> <tr> <td>Lecturer Name</td><td>Text</td></tr> <tr> <td>Course ID</td><td>Text</td></tr> <tr> <td>Course Details</td><td>Lookup</td></tr> </table> | FIELD LABEL | DATA TYPE | Lecturer Role | Text long | Lecturer Name | Text | Course ID | Text | Course Details | Lookup |
| FIELD LABEL | DATA TYPE | | | | | | | | | | |
| Lecturer Role | Text long | | | | | | | | | | |
| Lecturer Name | Text | | | | | | | | | | |
| Course ID | Text | | | | | | | | | | |
| Course Details | Lookup | | | | | | | | | | |
| Object-5 INTERNAL RESULTS | <table> <tr> <th>FIELD LABEL</th><th>DATA TYPE</th></tr> <tr> <td>Candidate ID</td><td>Text</td></tr> <tr> <td>Course ID</td><td>Text</td></tr> <tr> <td>Marks</td><td>Number</td></tr> </table> | FIELD LABEL | DATA TYPE | Candidate ID | Text | Course ID | Text | Marks | Number | | |
| FIELD LABEL | DATA TYPE | | | | | | | | | | |
| Candidate ID | Text | | | | | | | | | | |
| Course ID | Text | | | | | | | | | | |
| Marks | Number | | | | | | | | | | |

3.2 Activity & Screenshot

Project Report



SETUP > OBJECT MANAGER

Semester

Details

Fields & Relationships

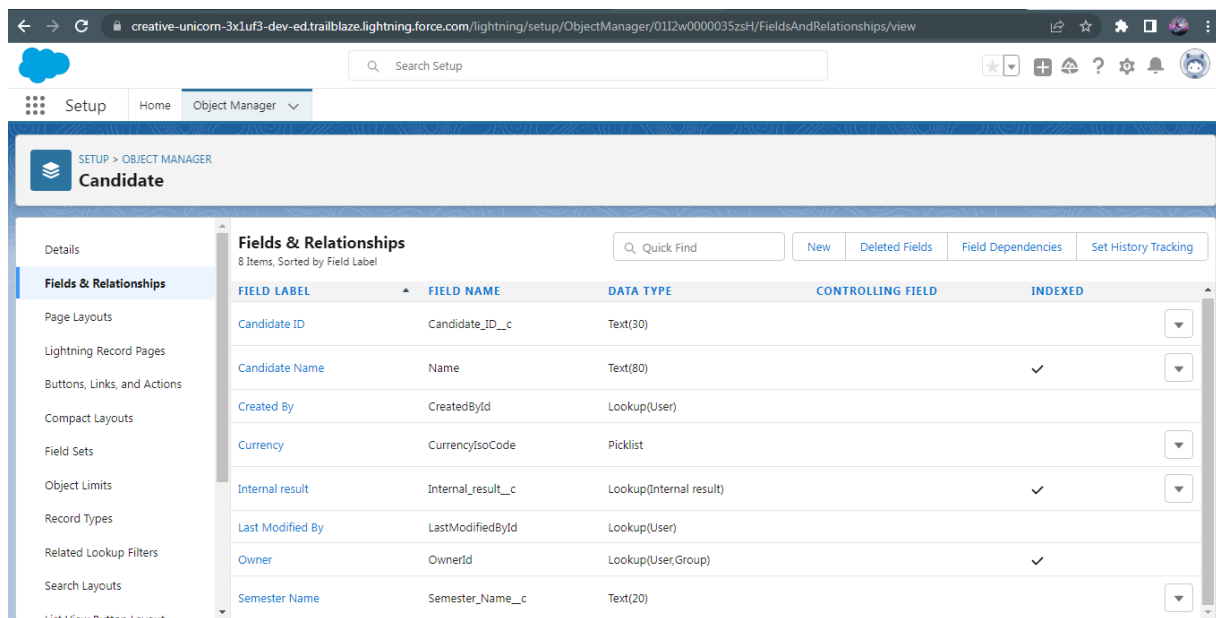
6 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|-----------------------|-------------------|---------|
| Course detail | Course_detail__c | Lookup(Course detail) | | ✓ |
| Created By | CreatedById | Lookup(User) | | |
| Currency | CurrencyIsoCode | Picklist | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |
| Semester name | Name | Text(80) | | ✓ |

All the fields for the semester object are created



creative-unicorn-3x1uf3-dev-ed.trailblaze.lightning.force.com/lightning/setup/ObjectManager/0112w0000035zsh/FieldsAndRelationships/view

SETUP > OBJECT MANAGER

Candidate

Details

Fields & Relationships

8 Items, Sorted by Field Label

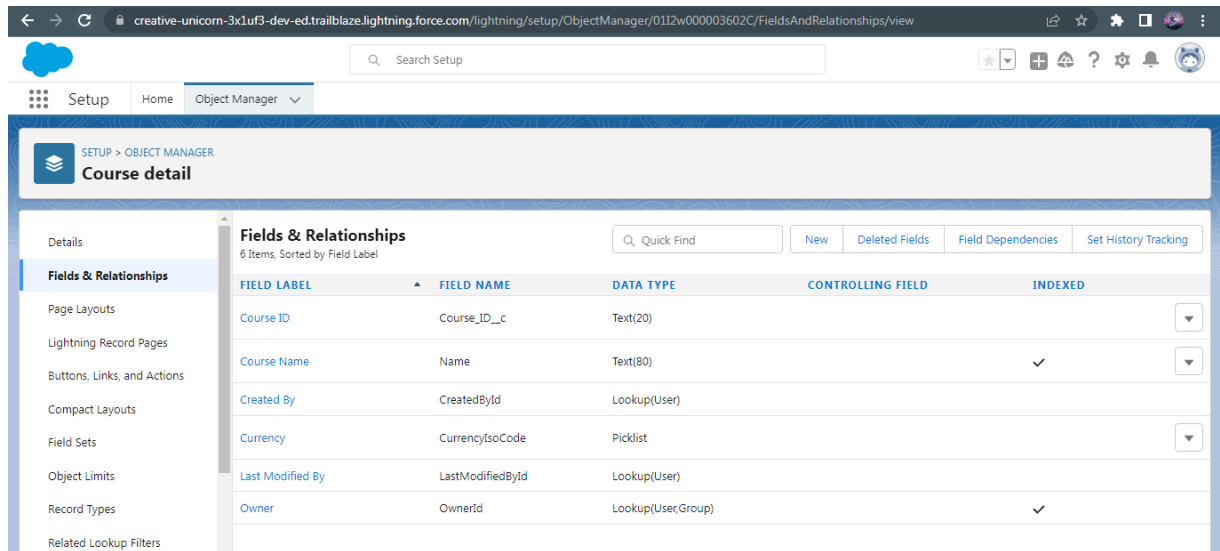
Quick Find

New Deleted Fields Field Dependencies Set History Tracking

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|--------------------|-------------------------|-------------------|---------|
| Candidate ID | Candidate_ID__c | Text(30) | | |
| Candidate Name | Name | Text(80) | | ✓ |
| Created By | CreatedById | Lookup(User) | | |
| Currency | CurrencyIsoCode | Picklist | | |
| Internal result | Internal_result__c | Lookup(Internal result) | | ✓ |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |
| Semester Name | Semester_Name__c | Text(20) | | |

All the fields for Candidate Object are created

Project Report



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

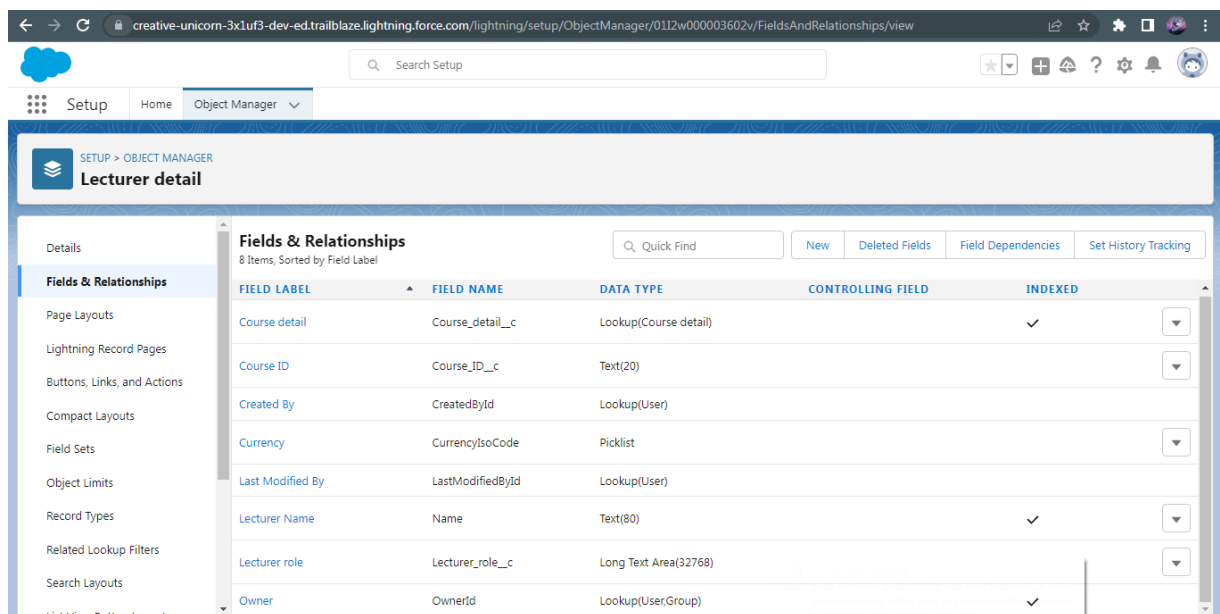
Fields & Relationships
6 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|--------------------|-------------------|---------|
| Course ID | Course_ID__c | Text(20) | | |
| Course Name | Name | Text(80) | | ✓ |
| Created By | CreatedById | Lookup(User) | | |
| Currency | CurrencyIsoCode | Picklist | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |

All the fields for Course Detail Object are created



SETUP > OBJECT MANAGER

Lecturer 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 Views Button Layout

Fields & Relationships
8 Items, Sorted by Field Label

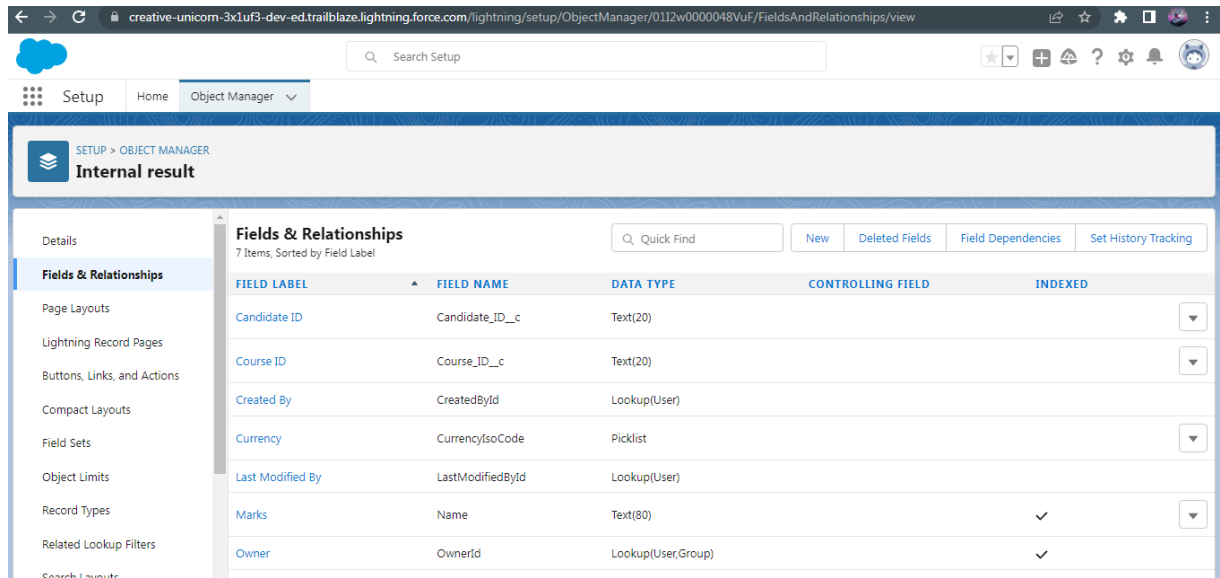
Quick Find

New Deleted Fields Field Dependencies Set History Tracking

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|-----------------------|-------------------|---------|
| Course detail | Course_detail__c | Lookup(Course detail) | | ✓ |
| Course ID | Course_ID__c | Text(20) | | |
| Created By | CreatedById | Lookup(User) | | |
| Currency | CurrencyIsoCode | Picklist | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Lecturer Name | Name | Text(80) | | ✓ |
| Lecturer role | Lecturer_role__c | Long Text Area(32768) | | |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |

All the fields for Lecturer Detail Object are created

Project Report



SETUP > OBJECT MANAGER

Internal result

Details

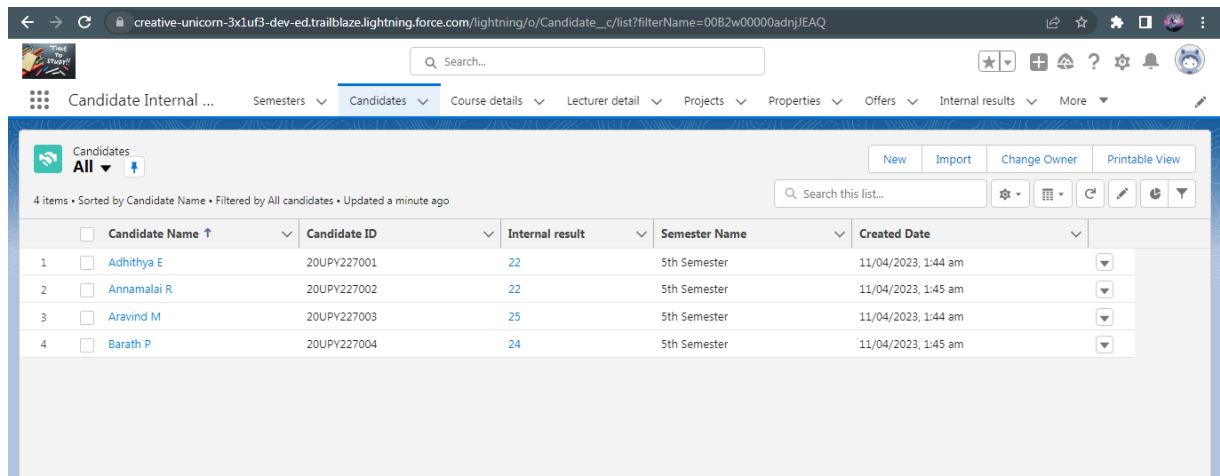
Fields & Relationships
7 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|--------------------|-------------------|---------|
| Candidate ID | Candidate_ID__c | Text(20) | | |
| Course ID | Course_ID__c | Text(20) | | |
| Created By | CreatedById | Lookup(User) | | |
| Currency | CurrencyIsoCode | Picklist | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Marks | Name | Text(80) | | ✓ |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |

All the fields for Internal Marks are created



creative-unicom-3x1uf3-dev-ed.trailblaze.lightning.force.com/lightning/o/Candidate__c/list?filterName=00B2w00000adnyJEAQ

Candidate Internal ... Semesters Candidates Course details Lecturer detail Projects Properties Offers Internal results More

Candidates

All

New Import Change Owner Printable View

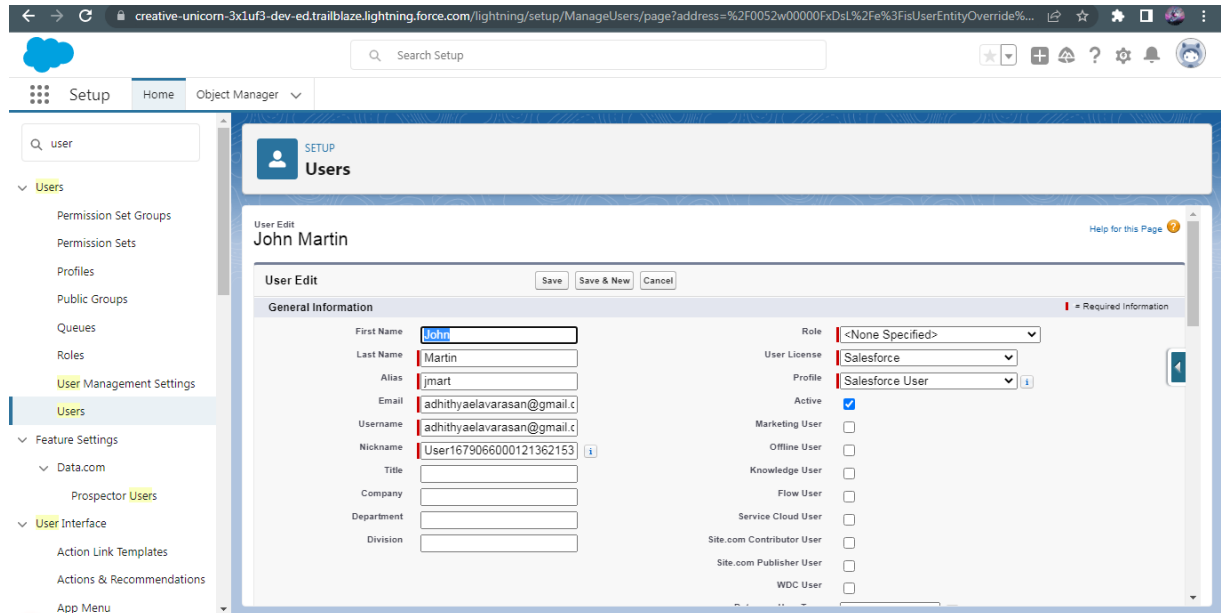
4 items • Sorted by Candidate Name • Filtered by All candidates • Updated a minute ago

Search this list...

| | Candidate Name | Candidate ID | Internal result | Semester Name | Created Date |
|---|----------------|--------------|-----------------|---------------|---------------------|
| 1 | Adhithya E | 20UPV227001 | 22 | 5th Semester | 11/04/2023, 1:44 am |
| 2 | Annamalai R | 20UPV227002 | 22 | 5th Semester | 11/04/2023, 1:45 am |
| 3 | Aravind M | 20UPV227003 | 25 | 5th Semester | 11/04/2023, 1:44 am |
| 4 | Barath P | 20UPV227004 | 24 | 5th Semester | 11/04/2023, 1:45 am |

The lightning app is created according to procedure

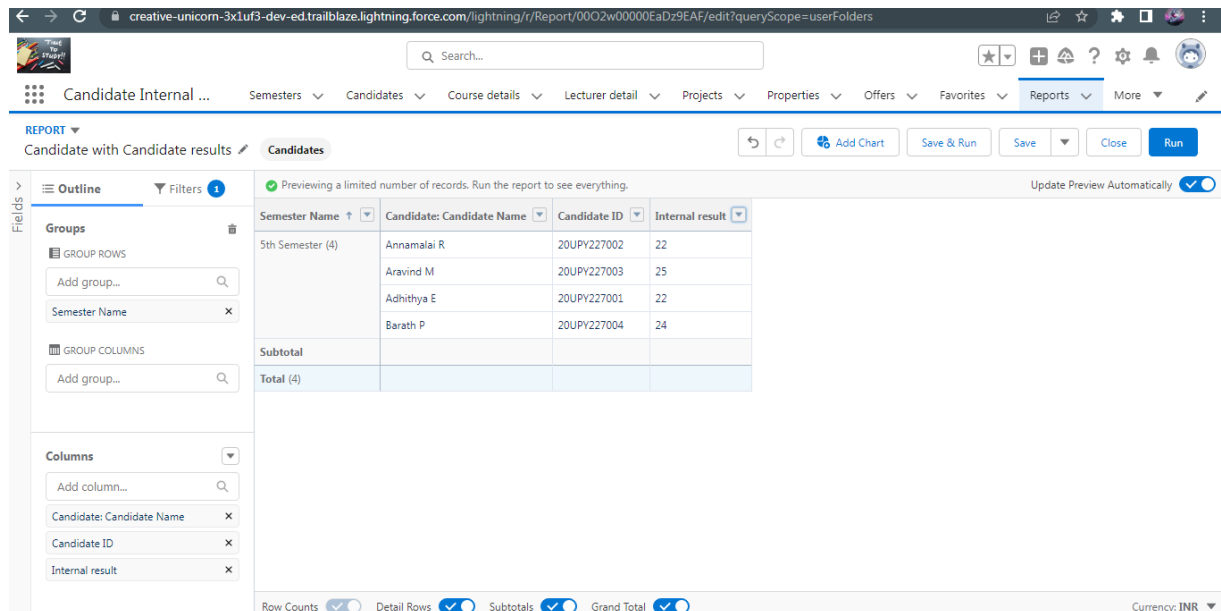
Project Report



The screenshot shows the Salesforce 'User Edit' page for a user named John Martin. The page is part of the 'Setup' section under 'Users'. The user's details are as follows:

| General Information | | Role |
|---------------------|----------------------------|---|
| First Name | John | <None Specified> |
| Last Name | Martin | User License: Salesforce |
| Alias | jmart | Profile: Salesforce User |
| Email | adhithyaelavarasan@gmail.c | Active: <input checked="" type="checkbox"/> |
| Username | adhithyaelavarasan@gmail.c | Marketing User: <input type="checkbox"/> |
| Nickname | User1679066000121362153 | 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"/> |
| | | Site.com Publisher User: <input type="checkbox"/> |
| | | WDC User: <input type="checkbox"/> |

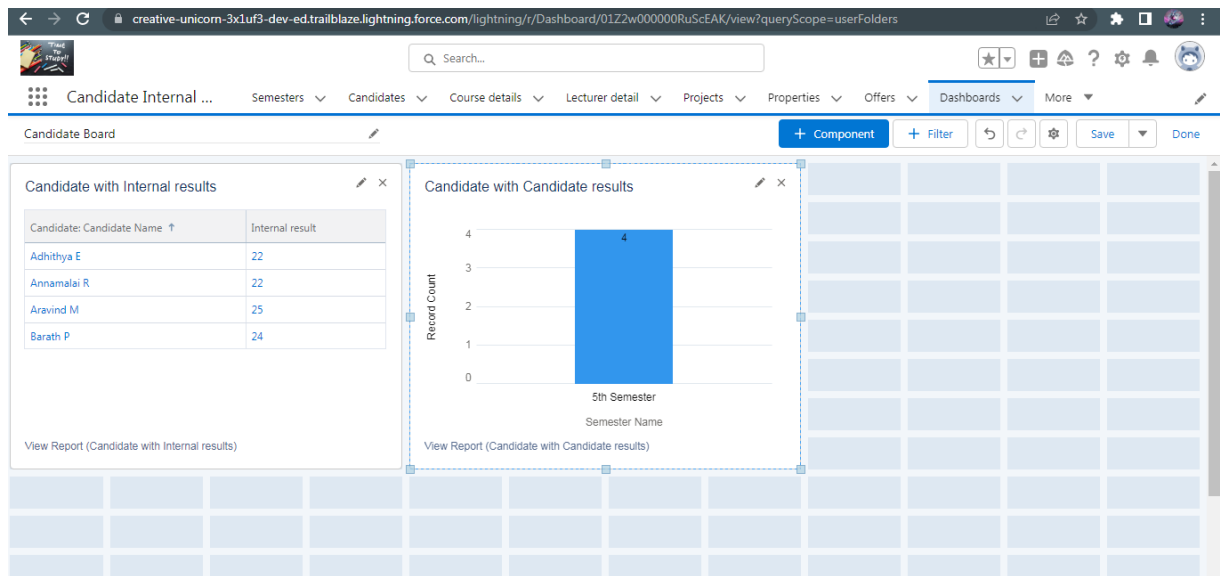
The John Martin user was created and Salesforce user profile is assigned to him.



The screenshot shows a Salesforce report titled 'Candidate with Candidate results'. The report is filtered by 'Semester Name' and 'Candidate: Candidate Name'. The report displays the following data:

| Semester Name | Candidate: Candidate Name | Candidate ID | Internal result |
|------------------|---------------------------|--------------|-----------------|
| 5th Semester (4) | Annamalai R | 20UPY227002 | 22 |
| | Aravind M | 20UPY227003 | 25 |
| | Adhithya E | 20UPY227001 | 22 |
| | Barath P | 20UPY227004 | 24 |
| Subtotal | | | |
| Total (4) | | | |

The Report is created



In dashboard Vertical Bar Chart is added

4 Trailhead Profile Public URL

Team Lead – <https://trailblazer.me/id/adhithya2210>

Team Member 1 – <http://trailblazer.me/id/annms1>

Team Member 2 – <http://trailblazer.me/id/aaravind45>

Team Member 3 – <https://trailblazer.me/id/bbscphysics>

5 ADVANTAGES

- ✓ Saves time and resources by automating the result processing.
- ✓ Increases accuracy by reducing the chances of manual errors.
- ✓ Provides a secure environment for storing and managing student data.
- ✓ Offers performance analysis to identify areas where students need additional support.
- ✓ Improves communication between students, parents, and faculty.
- ✓ Enhances the overall quality of education.

DISADVANTAGES

Project Report

- ❖ The software requires proper training and expertise to use it effectively.
- ❖ Implementing result management software can be expensive.
- ❖ Result management software can be complex, and technical issues such as system crashes or software bugs can cause delays or errors in the result processing.

6 APPLICATIONS

- The result tracking salesforce software can help identify areas where students need additional support and improve the overall quality of education.
- It also provides easy communication between teachers, parents, and students, allowing parents to access their child's results, attendance, and other information online.
- The software can allow for student feedback and evaluation, enabling teachers and administrators to assess student satisfaction and identify areas for improvement.

7 CONCLUSIONS

- Report card generation is a feature of a school result management system that allows the system to automatically generate report cards for students. A report card typically includes information about a student's academic performance, attendance, and behavior throughout a particular academic period, such as a semester or a year.

8 FUTURE SCOPES

- In healthcare, result management software can help healthcare professionals to manage patient data, test results, and medical records. It can also improve the speed and accuracy of diagnosis and treatment.
- In government, result management software can help to ensure transparency, accuracy, and accessibility of public data, such as election results or survey data.
- In business, result management software can help companies to manage customer feedback, sales data, and performance metrics.
- In sports, result management software can help coaches and trainers to track athlete progress, make data-driven decisions, and improve performance.
- In research, result management software can help researchers to organize and analyze data more efficiently, improve accuracy, and speed up the research process.