

Day 1:

Topic:

Create Your Salesforce Developer Org To Get Started

Milestone/Activities:

Creating Developer Account

Account Activation

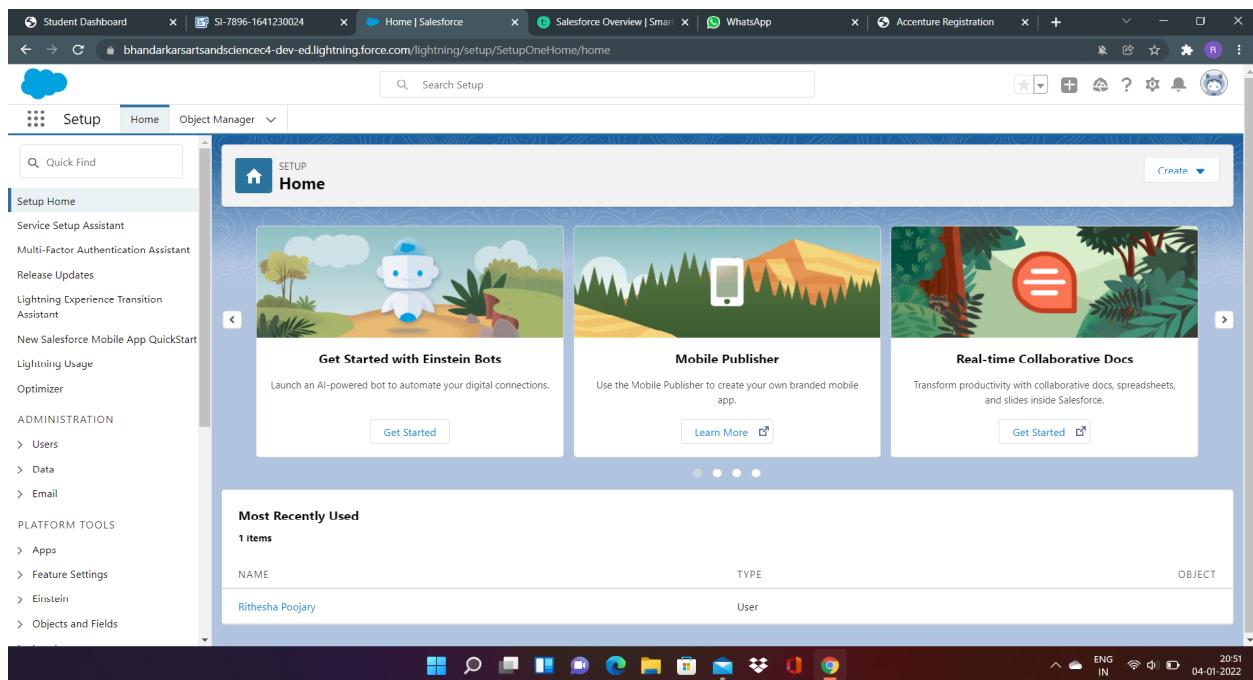
Login To Your Salesforce Acc

Detailed Description:

1. Creating a developer org in salesforce.
 1. Go to developers.salesforce.com/
 2. Click on sign up.
 3. On the sign up form, enter the following details :
 1. First name & Last name
 2. Email
 3. Role : Developer
 4. Company : College Name
 5. County : India
 6. Postal Code : pin code
 7. Username : should be a combination of your name and company
This need not be an actual email id, you can give anything in the format :
username@organization.com
2. Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins, as allocating a developer org will take time.
3.
 1. Go to salesforce.com and click on login.
 2. Enter the username and password that you just created.
 3. After login this is the home page which you will see.

Screenshot of Milestone/Activities:

The screenshot of the login window in Salesforce Account.



Day 2:

Topic:

Custom Object Creation

Milestone/Activities:

Create The Custom Objects For The Application

Create Fields On College Object

Create Fields On Application Form Object

Create Fields On Student Object

Create Fields On Subject Object

Detailed Description:

Created the following Custom Objects For the Application.

1. College
2. Application Form.
3. Students.
4. Subjects.

Student Dashboard College | Salesforce Si-7896-1641230024

Setup Home Object Manager

SETUP > OBJECT MANAGER College

Details

Description

API Name: College__c
Custom: ✓
Singular Label: College
Plural Label: Colleges

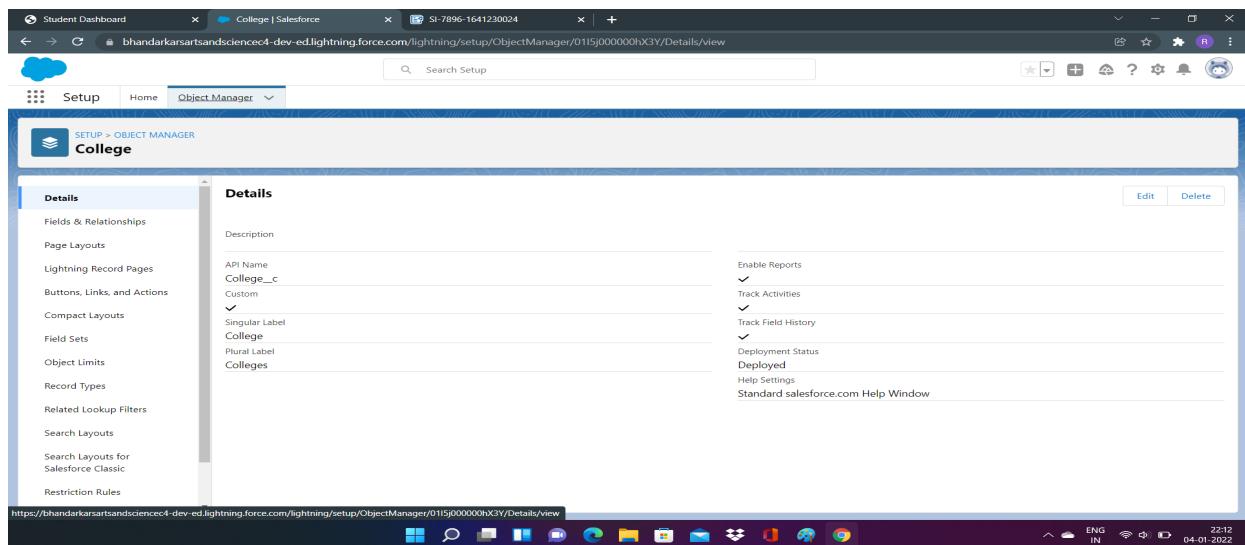
Enable Reports:
✓ Track Activities
✓ Track Field History
✓ Deployment Status: Deployed
Help Settings: Standard salesforce.com Help Window

Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
Search Layouts for Salesforce Classic
Restriction Rules

Edit Delete

https://bhandarkartsandscience4-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000hX3Y/Details/view

22:12 ENG IN 04-01-2022



Student Dashboard Application Form | Salesforce Si-7896-1641230024

Setup Home Object Manager

SETUP > OBJECT MANAGER Application Form

Details

Description

API Name: Application_Form__c
Custom: ✓
Singular Label: Application Form
Plural Label: Application Forms

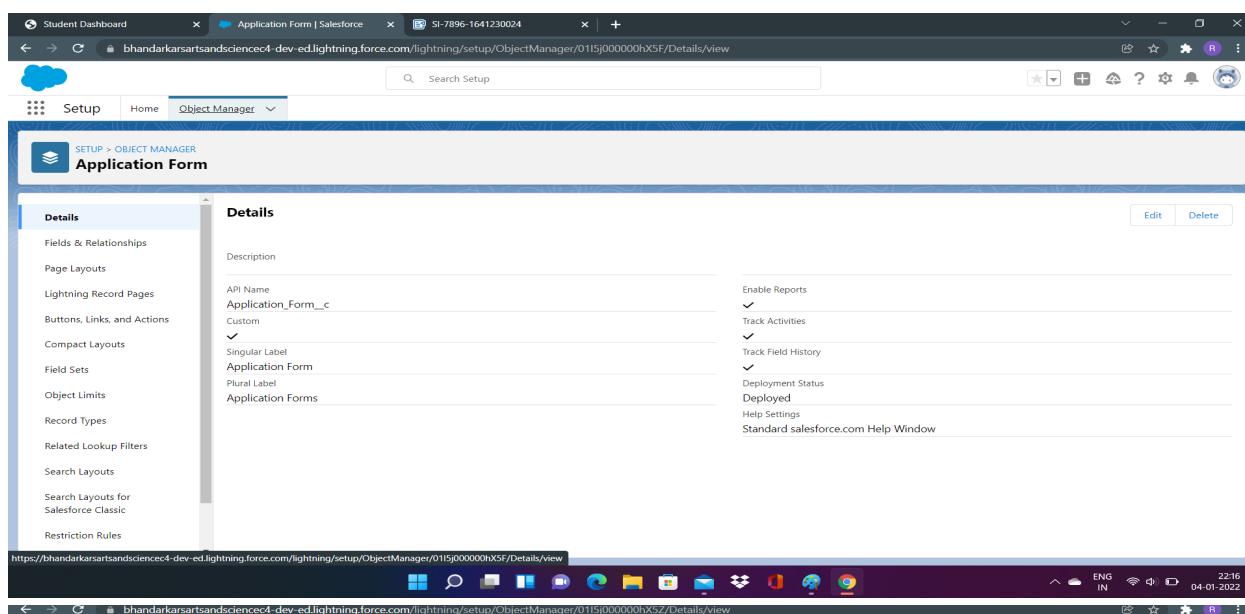
Enable Reports:
✓ Track Activities
✓ Track Field History
✓ Deployment Status: Deployed
Help Settings: Standard salesforce.com Help Window

Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
Search Layouts for Salesforce Classic
Restriction Rules

Edit Delete

https://bhandarkartsandscience4-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000hX5F/Details/view

32:16 ENG IN 04-01-2022



Student Dashboard Student | Salesforce Si-7896-1641230024

Setup Home Object Manager

SETUP > OBJECT MANAGER Student

Details

Description

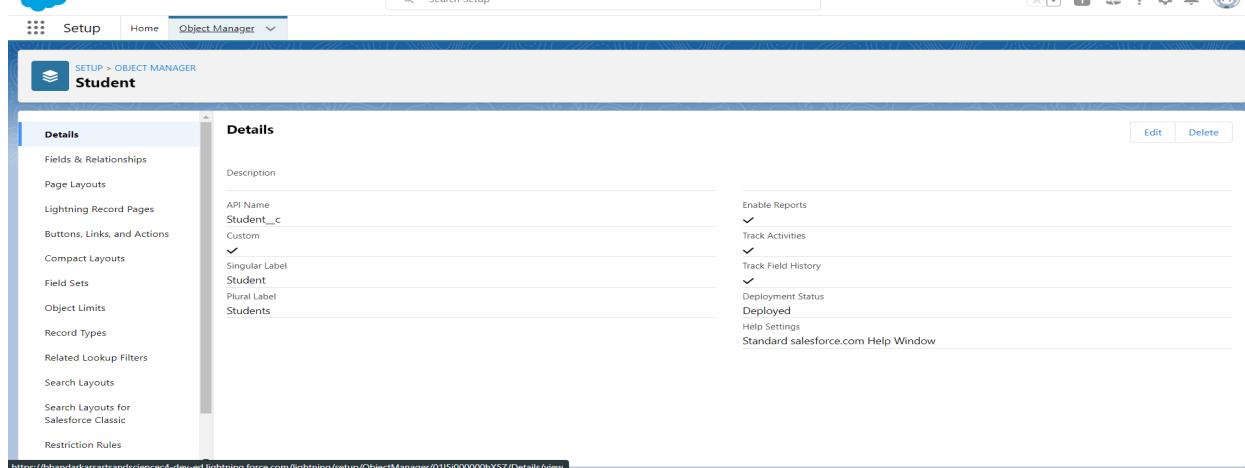
API Name: Student__c
Custom: ✓
Singular Label: Student
Plural Label: Students

Enable Reports:
✓ Track Activities
✓ Track Field History
✓ Deployment Status: Deployed
Help Settings: Standard salesforce.com Help Window

Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
Search Layouts for Salesforce Classic
Restriction Rules

Edit Delete

https://bhandarkartsandscience4-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000hX5Z/Details/view



The screenshot shows the Salesforce Object Manager interface for the 'Subject' object. The left sidebar contains links for Setup, Home, and Object Manager. The main area displays the 'Details' tab for the Subject object. Key fields shown include:

- API Name:** Subject__c
- Singular Label:** Subject
- Plural Label:** Subjects
- Status Options:**
 - Enable Reports: ✓
 - Track Activities: ✓
 - Track Field History: ✓
 - Deployment Status: Deployed
 - Help Settings: Standard salesforce.com Help Window

Created the following fields on the college object.

Field Name	Data Type	Required	Values
Record Info	Text		
College Fees	Currency(7,2)	Yes	
Hostel Fees	Currency(6,2)	Yes	
College Name	Picklist(Refer Business Logic In Milestones)	Yes	
Email	Picklist		blr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in del@mit.co.in
Capacity Of Students	Picklist		500-1000, 1000-2500, 2500-6000, 6000-10000

Created the following fields on the application form object.

Field Name	Data Type	Required	Values
Application Form ID	Autonumber		F-{000000} Starting Number=1
Address	Text(255)	Yes	
College	Master-Detail(College)	Yes	
College Fees	Formula(Currency)		
Hostel Fees	Formula(Currency)		
date of Birth	Date	Yes	
Email	Email(Unique)	Yes	
Guardian Name	Text(30)	Yes	
Looking For Hostel Stay	Checkbox(default=Uncheck)		
Ready To Join	Checkbox(default=Uncheck)		
Student Name	Text(30)	Yes	
Phone	Phone	Yes	

The screenshot shows the Salesforce Object Manager interface for the 'Application Form' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area displays a table titled 'Fields & Relationships' with 15 items. The columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The table includes fields such as Address, Application Form ID, Application Form Name, College, College Fees, Created By, date of Birth, Email, and Guardian Name.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
Application Form ID	Application_Form_ID__c	Auto Number		
Application Form Name	Name	Text(80)		
College	College__c	Master-Detail(College)		
College Fees	College_Fees__c	Formula (Currency)		
Created By	CreatedById	Lookup(User)		
date of Birth	date_of_Birth__c	Date		
Email	Email__c	Email (Unique)		
Guardian Name	Guardian_Name__c	Text(30)		

This screenshot shows the same Salesforce Object Manager interface for the 'Application Form' object, but with a different set of fields listed in the 'Fields & Relationships' table. The table now includes fields like Created By, date of Birth, Email, Guardian Name, Hostel Fee, Last Modified By, Looking For Hostel Stay, Phone, Ready To Join, and Student Name.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
date of Birth	date_of_Birth__c	Date		
Email	Email__c	Email (Unique)		
Guardian Name	Guardian_Name__c	Text(30)		
Hostel Fee	Hostel_Fee__c	Formula (Currency)		
Last Modified By	LastModifiedById	Lookup(User)		
Looking For Hostel Stay	Looking_For_Hostel_Stay__c	Checkbox		
Phone	Phone__c	Phone		
Ready To Join	Ready_To_Join__c	Checkbox		
Student Name	Student_Name__c	Text(30)		

Created the following fields on the student object.

Field Name	Data Type	Required	Values
Student Name	Text		
Address	Text(255)	Yes	
Application Form	Lookup(Application Form)		
College Name	Formula(Text)		
Date Of Birth	Date	Yes	
Guardian Name	Text(30)	Yes	
Phone	Phone	Yes	

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for Student Dashboard, Setting Up First App, Custom Obj..., Student | Salesforce, and SI-7896 1641230024. Below the navigation is a search bar and a toolbar with various icons. The main content area is titled "SETUP > OBJECT MANAGER" and "Student". On the left, there's a sidebar with links 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, Search Layouts for Salesforce Classic, and Restriction Rules. The "Fields & Relationships" section is currently selected. It displays a table with columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The table lists 11 items, sorted by Field Label. The fields are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
Application Form	Application_Form__c	Lookup(Application Form)		✓
College Name	College_Name__c	Formula (Text)		
Created By	CreatedById	Lookup(User)		
Date Of Birth	DateOfBirth__c	Date		
Guardian Name	Guardian_Name__c	Text(30)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User/Group)		✓
Phone	Phone__c	Phone		
Student Name	Student_Name__c	Text(200)		

This screenshot is a zoomed-in view of the "Fields & Relationships" table from the previous screenshot, specifically focusing on the "Owner" field. The table has the same structure and data as the full view, but only the "Owner" row is visible. The "Owner" field is of type "Lookup(User/Group)" and is indexed.

Create the following fields On the Subject object.

Field Name	Data Type	Required	Values
Subject ID	AutoNumber		S-{000000} Starting Number=1
Paper 1	Picklist(Refer Business Logic Milestone)		
Paper2	Picklist(Refer Business logic Milestone)		
Student	Lookup(Student)		

The screenshot shows the Salesforce Setup interface for the Object Manager. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' and displays a table of fields for the 'Subject' object. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Paper 1	Paper_1_c	Picklist		
Paper2	Paper2_c	Picklist		
Student	Student_c	Lookup(Student)		✓
Subject ID	Subject_ID_c	Auto Number		
Subject Name	Name	Text(80)		✓

Day 3:

Topic:

Adding Business Logic To Application

Milestone/Activities:

- 1.Creating Global Picklist Value Sets
- 2.Creating Field Dependencies
- 3.Creating Validation Rules

Detailed Description:

1.Creating Global Picklist Value Sets

Created the following global picklist value sets for the application.

a)College

Picklist Value Name	Values
Collage	MIT-HYD MIT-BLR MIT- MUM MIT- MAA MIT-DEL MIT- CCU

b)Paper1

Picklist Value Name	Values
Paper 1	APEX JAVA C C++

c)Paper2

Picklist Value Name	Values
Paper2	MATHEMATICS ENGLISH STATISTICS

2.Creating Field Dependencies

Created field dependency between college Name and Email, where the controlling field is college Name and dependent field is Email. Select the email ids according to the college names.

The screenshot shows the Salesforce Setup interface with the following details:

- Page Layouts:** The main content area displays the "Edit Field Dependency" page for the "College" object.
- Controlling Field:** College Name
- Dependent Field:** Email
- Instructions:** A legend indicates that yellow cells represent "Included Value" and white cells represent "Excluded Value".
- Email Data:** The table lists email addresses grouped by college name:

College Name:	MIT-HYD	MIT-BLR	MIT-MUM	MIT-MAA	MIT-DEL
Email:	bhr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in dei@mit.co.in	blr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in dei@mit.co.in	blr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in dei@mit.co.in	blr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in dei@mit.co.in	blr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in dei@mit.co.in

Created field dependency between college Name and capacity of students, where the controlling field is college Name and dependent field is Capacity of Students. Select the values according to your wish.

3.Creating Validation Rules

Created a validation rule on the college object such that the college name and record info should have the same name.

Used Condition formula is:

TEXT(College_Name__c) <> Name.

Validation Rule Detail	Active
Rule Name: College_record_same	✓
Error Condition Formula: TEXT(College_Name__c) <> Name	
Error Message: College name and Record Info should have same.	Error Location: Top of Page
Description:	Modified By: Rithesh Poplary, 1/7/2022, 10:40 PM
Created By: Rithesh Poplary, 1/7/2022, 10:40 PM	

Create a validation rule on the application form object to stop any modification on the application form once a student record is created.

Used Condition formula is:

```
AND( Ready_To_Join__c == true,  
OR(  
ISCHANGED( Address__c ),  
ISCHANGED( College__c ),  
ISCHANGED( Date_of_Birth__c ),  
ISCHANGED( Email__c ),  
ISCHANGED( Guardian_Name__c ),  
ISCHANGED( Phone__c )  
)  
)
```

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for Student Dashboard, Profiles, Recordtypes, Automation, Recently Viewed, Subjects, Sales, Object Manager, and a specific record view (SI-7896-1641230024). The main header has a cloud icon, a search bar, and various user settings. Below the header, the navigation bar shows SETUP, Home, and Object Manager. The main content area is titled "Object Manager" and displays the "Application Form Validation Rule". The rule details are as follows:

Validation Rule Detail	
Rule Name	Application_form_modification
Error Condition Formula	AND(Ready_To_Join__c == true, OR(ISCHANGED(Address__c), ISCHANGED(College__c), ISCHANGED(date_of_Birth__c), ISCHANGED(Email__c), ISCHANGED(Guardian_Name__c), ISCHANGED(Phone__c)))
Error Message	modification on student record not possible.
Description	
Created By	Rithesh Popjary, 1/7/2022, 11:04 PM
Modified By	Rithesh Popjary, 1/7/2022, 11:04 PM

At the bottom of the page, there are "Edit" and "Clone" buttons. The status bar at the bottom right shows system information: ENG IN, 12:34, and the date 08-01-2022.

Day 4:

Topic:

Adding Business Logic To Application

Milestone/Activities:

1.Process Automation

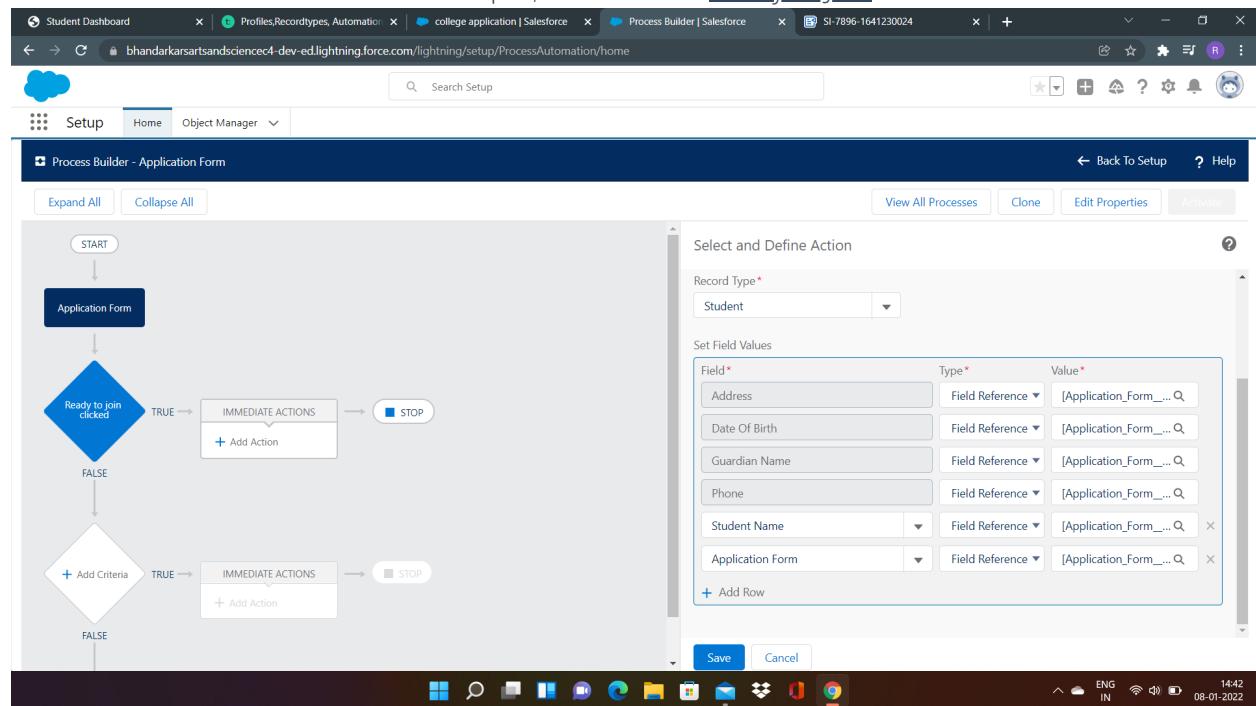
2.Create The Student Record Using Flow

Detailed Description:

1.Process Automation

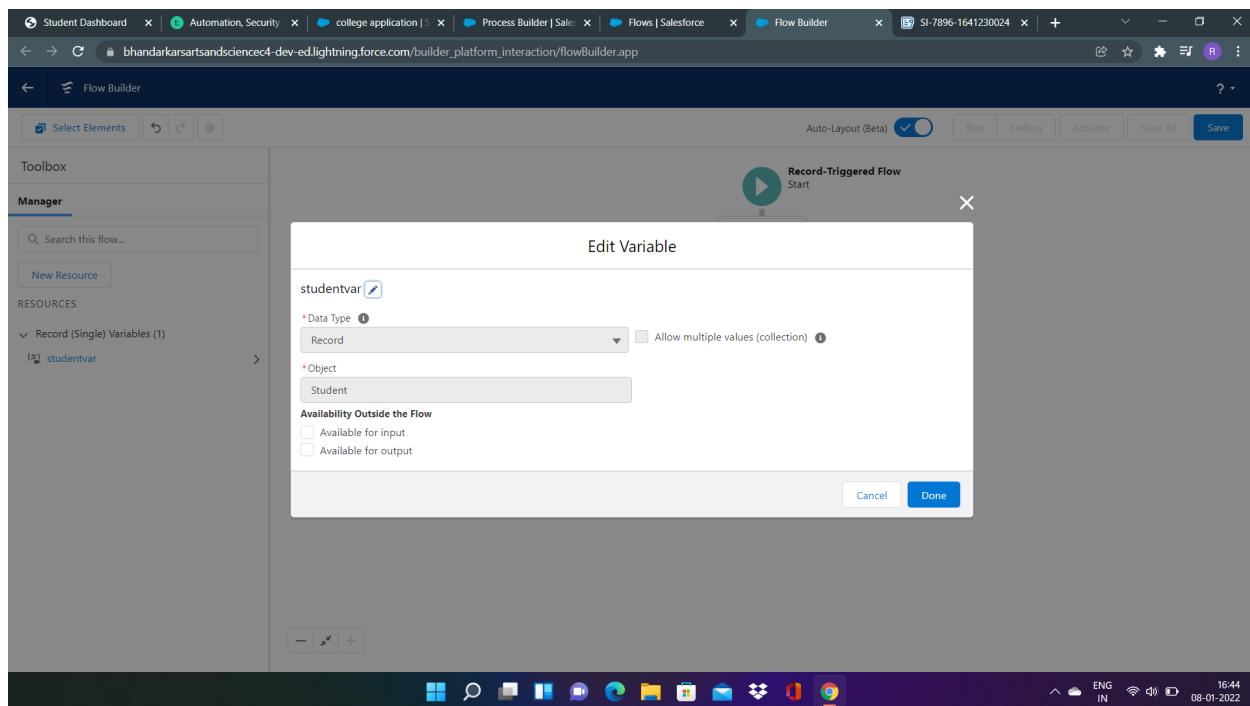
Created automation process such that when the "ready to join" field is checked on the application form object we need to create the student record automatically with the information specified in the application form record.

In the diamond shape box(called nodes), select the criteria which trigger the Process builder to fire. In our example, it is "When Ready to Join field is checked."

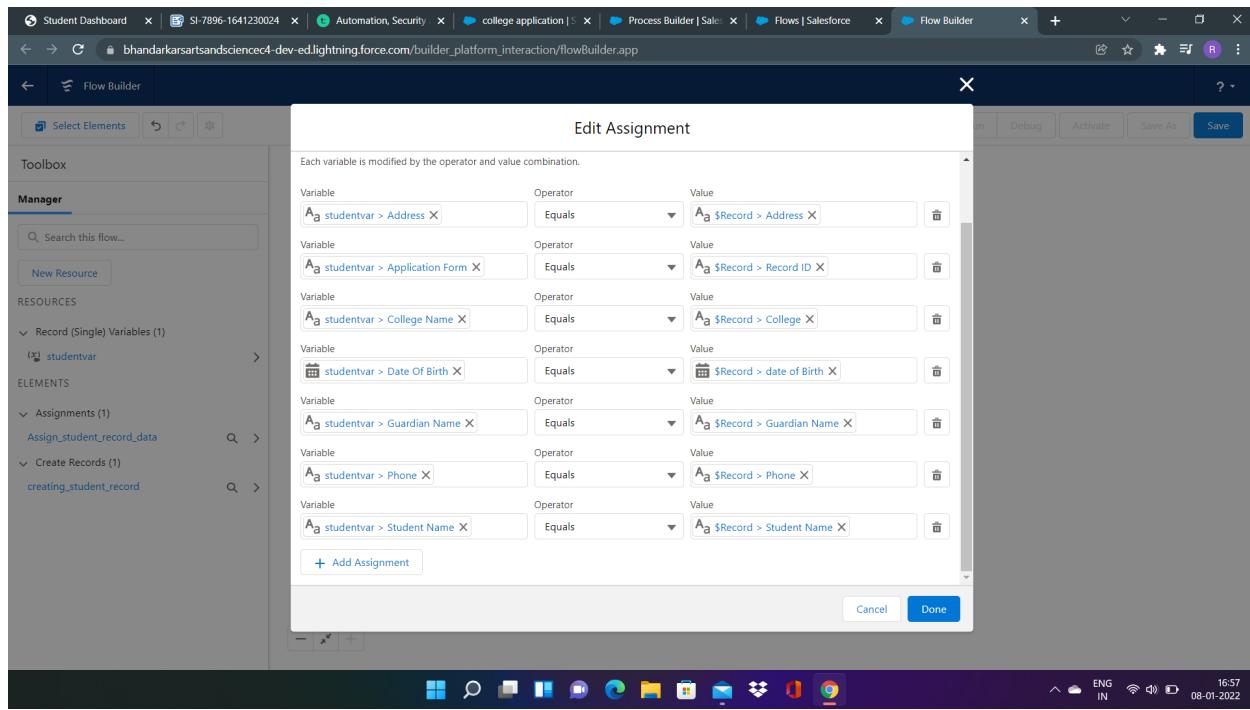


2.Create The Student Record Using Flow

In this screen shots created the studentvar variable.



In this screen shots created the Assignment.



In this screen shots created the Records.

