

Project Title : College Management Application

DAY 1 : 3-01-2022

TOPIC : Create Your Salesforce Developer Org To Get Started

Milestone/Activities :

1.Creating Developer Account

2.Account Activation

3.Login To Your Salesforce Account

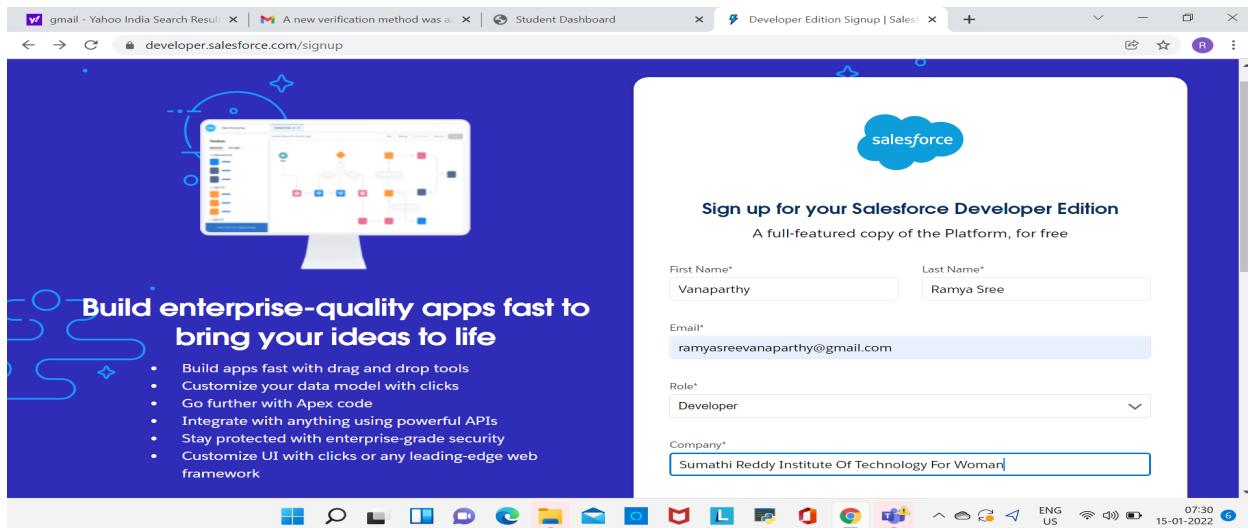
Detailed Description:

Create My Salesforce account and activate it and login to my salesforce account.

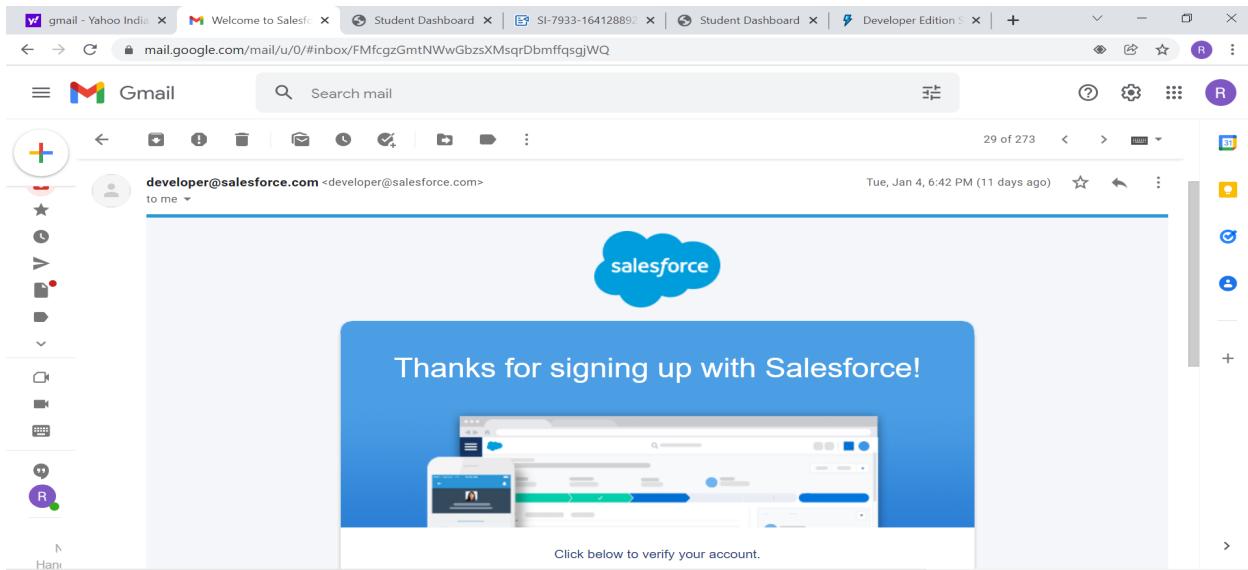
- Click setup > app manager> new lightning app> give the API names > navigation item >save .

Upload the Screenshot the Milestone :

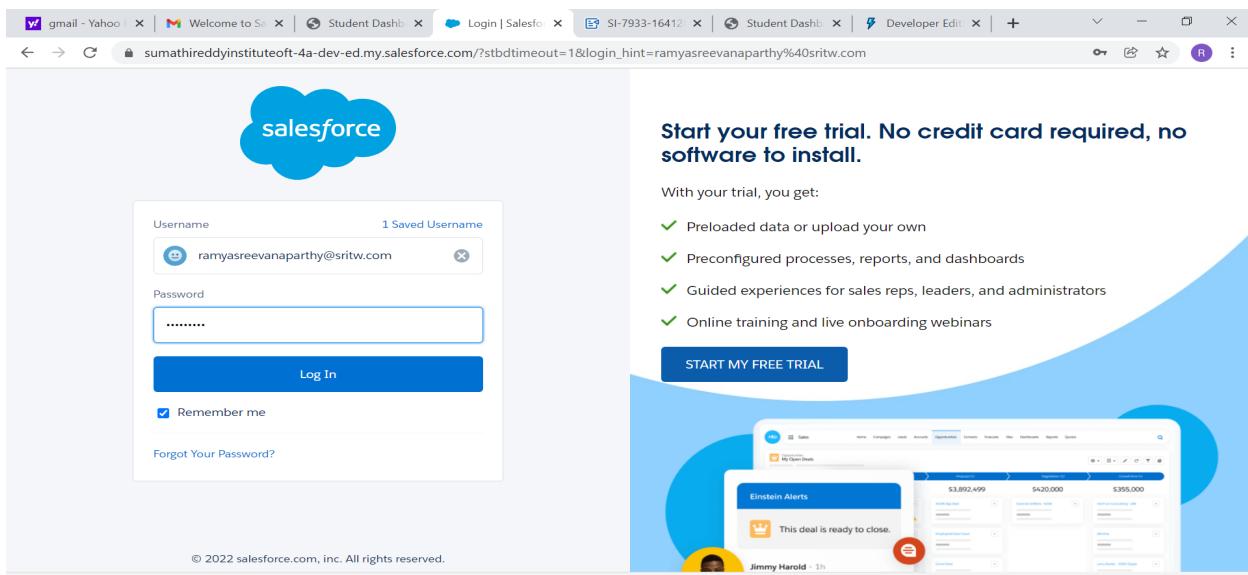
1.Creating Developer Account



2.Account Activation



3.Login To Your Salesforce Account



The screenshot shows the Salesforce Setup Home page. The left sidebar contains links for Setup Home, Service Setup Assistant, Multi-Factor Authentication Assistant, Release Updates, Lightning Experience Transition Assistant, New Salesforce Mobile App QuickStart, Lightning Usage, Optimizer, Administration (Users, Data, Email), and Platform Tools. The main content area features three cards: 'Get Started with Einstein Bots' (Launch an AI-powered bot to automate your digital connections), 'Mobile Publisher' (Use the Mobile Publisher to create your own branded mobile app), and 'Real-time Collaborative Docs' (Transform productivity with collaborative docs, spreadsheets, and slides inside Salesforce). A 'Most Recently Used' section lists 10 items.

4. Create a College Management Application App

The screenshot shows the 'College Management' application interface. The top navigation bar includes links for Colleges, ApplicationForms, Students, and Subjects. The main content area displays a table of college data with columns: Record Info, College Name, Email, Capacity Of Students, College Fees, and Hostel Fees. The table lists six colleges: MIT-BLR, MIT-CCU, MIT-DEL, MIT-HYD, MIT-MAA, and MIT-MUM. The bottom status bar shows system icons and the date/time: 15-01-2022 15:23.

| | Record Info ↑ | College Name | Email | Capacity Of Students | College Fees | Hostel Fees |
|---|---------------|--------------|---------------|----------------------|----------------|--------------|
| 1 | MIT-BLR | MIT-BLR | blr@mit.co.in | 2500-6000 | \$1,200,000.00 | \$500,000.00 |
| 2 | MIT-CCU | MIT-CCU | ccu@mit.co.in | 2500-6000 | \$5,400,000.00 | \$550,000.00 |
| 3 | MIT-DEL | MIT-DEL | del@mit.co.in | 500-1000 | \$4,200,000.00 | \$480,000.00 |
| 4 | MIT-HYD | MIT-HYD | hyd@mit.co.in | 1000-2500 | \$1,000,000.00 | \$120,000.00 |
| 5 | MIT-MAA | MIT-MAA | maa@mit.co.in | 6000-10000 | \$8,000,000.00 | \$700,000.00 |
| 6 | MIT-MUM | MIT-MUM | mum@mit.co.in | 1000-2500 | \$7,000,000.00 | \$600,000.00 |

DAY 2 : 4-01-2022

TOPIC : Custom Object Creation

Milestone/Activities :

1.Create The Custom Objects For The Application

2.Create Fields On College Object

Detailed Description:

1.Create The Custom Objects For The Application

- Created the following Custom Objects For The Application.
 - a. College
 - b. Application Form
 - c. Students
 - d. Subjects

- In Setup click on Object Manager> Create> Custom Object >Give Label Name as per above objects and give required information then Save .
- Repeat above steps for above b,c, and d Custom Objects.

2.Create Fields On College Object

- Created the following Fields on the College Object.

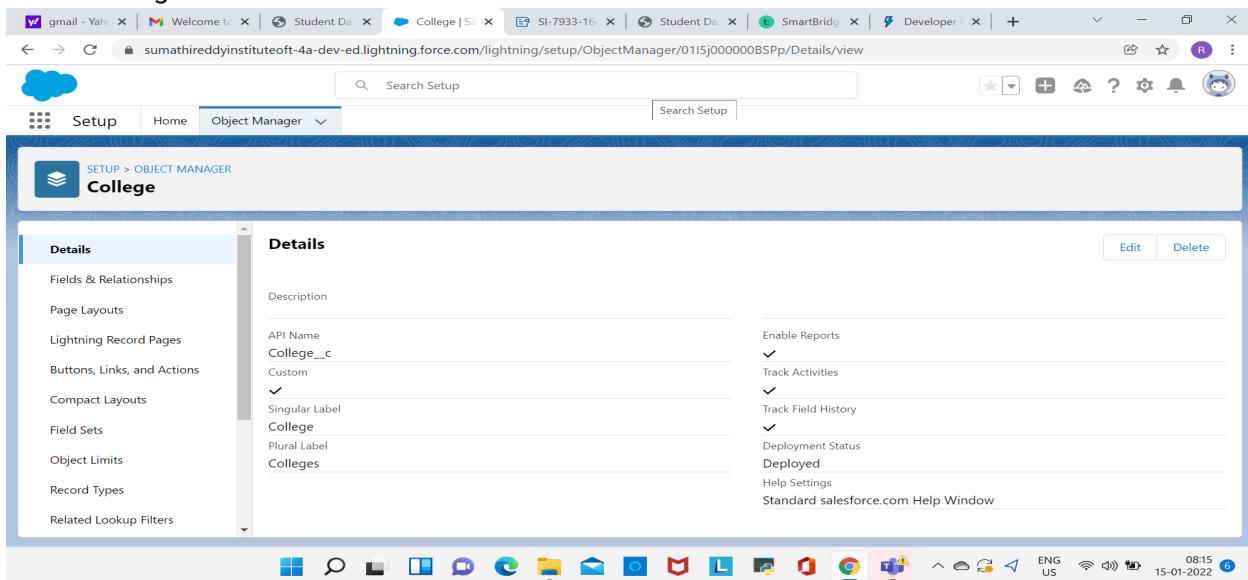
- a. Record Info
- b. College Fees
- c. Hostel Fees
- d. College Name
- e. Email
- f. Capacity Of Students

- Click on Object Manager> 'College Object ' from quick find> click College Object >Fields and Relationship> New> select Data type >give Field Name >next> give the information according to that>save .Repeat the above steps for above fields.

Upload the Screenshot the Milestone :

1.Create The Custom Objects For The Application

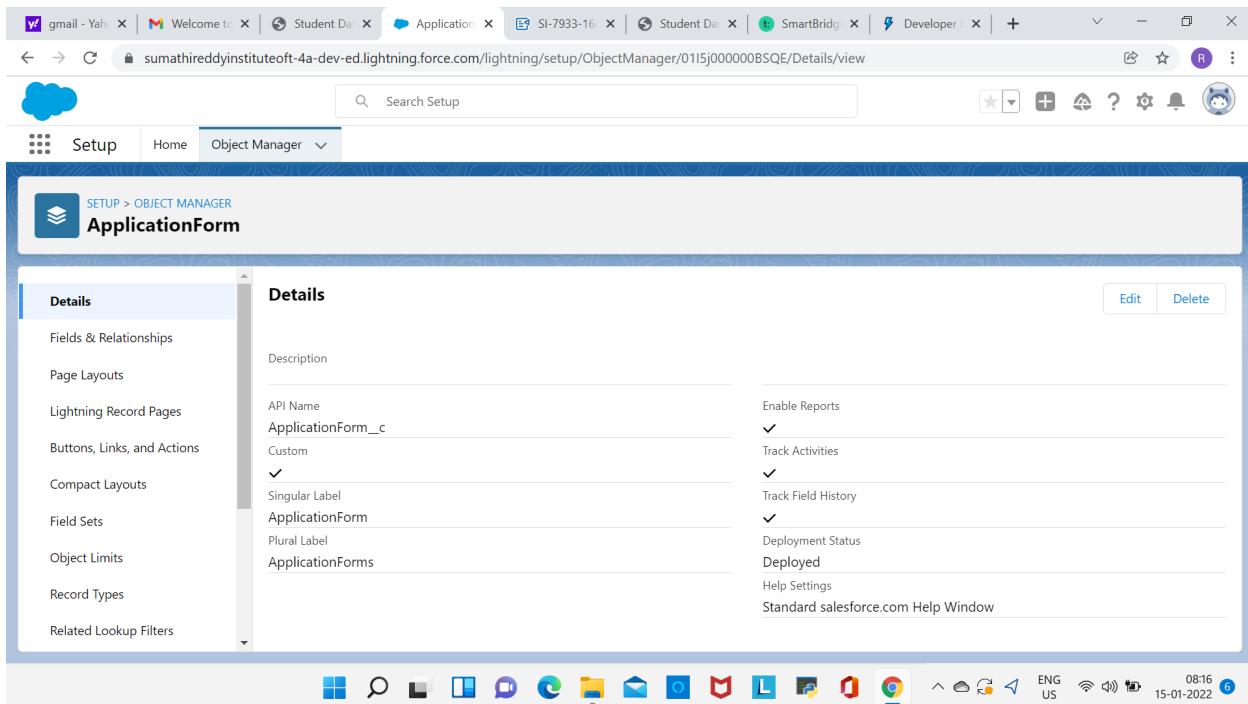
a.College



The screenshot shows the Salesforce Object Manager interface for the 'College' custom object. The left sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main details pane shows the following information:

| 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 |

b.Application Form



The screenshot shows the Salesforce Object Manager interface for the 'ApplicationForm' custom object. The left sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main details pane shows the following information:

| Details | |
|----------------|-------------------------------------|
| Description | |
| API Name | ApplicationForm__c |
| Custom | ✓ |
| Singular Label | ApplicationForm |
| Plural Label | ApplicationForms |
| Enable Reports | |
| ✓ | Track Activities |
| ✓ | Track Field History |
| ✓ | Deployment Status |
| Deployed | |
| Help Settings | Standard salesforce.com Help Window |

c. Students

The screenshot shows the Salesforce Object Manager interface for the 'Students' object. The left sidebar lists various configuration tabs: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main 'Details' tab is selected. On the right, the 'Details' section displays the following configuration:

| | | |
|------------------------|----------------------------|-------------------------------------|
| Description | API Name Students__c | Enable Reports |
| Custom | Singular Label Students | ✓ |
| ✓ | Plural Label Students | Track Activities |
| Compact Layouts | | ✓ |
| Field Sets | | Track Field History |
| Object Limits | | ✓ |
| Record Types | | Deployment Status |
| Related Lookup Filters | | Deployed |
| | | Help Settings |
| | | Standard salesforce.com Help Window |

At the bottom, there are standard Windows taskbar icons and system status indicators.

d. Subjects

The screenshot shows the Salesforce Object Manager interface for the 'Subjects' object. The left sidebar lists various configuration tabs: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main 'Details' tab is selected. On the right, the 'Details' section displays the following configuration:

| | | |
|------------------------|----------------------------|-------------------------------------|
| Description | API Name Subjects__c | Enable Reports |
| Custom | Singular Label Subjects | ✓ |
| ✓ | Plural Label Subjects | Track Activities |
| Compact Layouts | | ✓ |
| Field Sets | | Track Field History |
| Object Limits | | ✓ |
| Record Types | | Deployment Status |
| Related Lookup Filters | | Deployed |
| | | Help Settings |
| | | Standard salesforce.com Help Window |

At the bottom, there are standard Windows taskbar icons and system status indicators.

2.Create Fields On College Object

The screenshot shows the Salesforce Object Manager interface for the 'College' object. The left sidebar lists various setup options under 'Fields & Relationships'. The main area displays a table titled 'Fields & Relationships' with the following data:

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|----------------------|-------------------------|----------------|-------------------|---------|
| Capacity Of Students | Capacity_of_Students__c | Picklist | College Name | |
| College Fees | College_Fees__c | Currency(7, 2) | | |
| College Name | College_Name__c | Picklist | | |
| Created By | CreatedById | Lookup(User) | | |
| Email | Email__c | Picklist | College Name | |
| Hostel Fees | Hostel_Fees__c | Currency(6, 2) | | |

The screenshot shows the Salesforce Object Manager interface for the 'College' object, similar to the first one but with more fields added. The left sidebar lists various setup options under 'Fields & Relationships'. The main area displays a table titled 'Fields & Relationships' with the following data:

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|--------------------|-------------------|---------|
| College Name | College_Name__c | Picklist | | |
| Created By | CreatedById | Lookup(User) | | |
| Email | Email__c | Picklist | College Name | |
| Hostel Fees | Hostel_Fees__c | Currency(6, 2) | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |
| Record Info | Name | Text(80) | | ✓ |

DAY 3 : 5-01-2022

TOPIC : Custom Object Creation

Milestone/Activities :

1.Create Fields On Application Form Object

2.Create Fields On Student Object

3.Create Fields On Subject Object

Detailed Description:

1.Create Fields On Application Form Object

- Created the following fields on the application form object.
 - a. Application Form ID
 - b. Address
 - c. College
 - d. College Fees
 - e. Hostel Fees
 - f. Date Of Birth
 - g. Email
 - h. Guardian Name
 - i. Looking For Hostal Stay
 - j. Ready To Join
 - k. Student Name
 - l. Phone
- Click on Object Manager> 'Application Form Object ' from quick find> click College Object >Fields and Relationship> New> select Data type >give Field Name >next> give the information according to that>save .Repeat the above steps for above fields.

2.Created Fields On Student Object

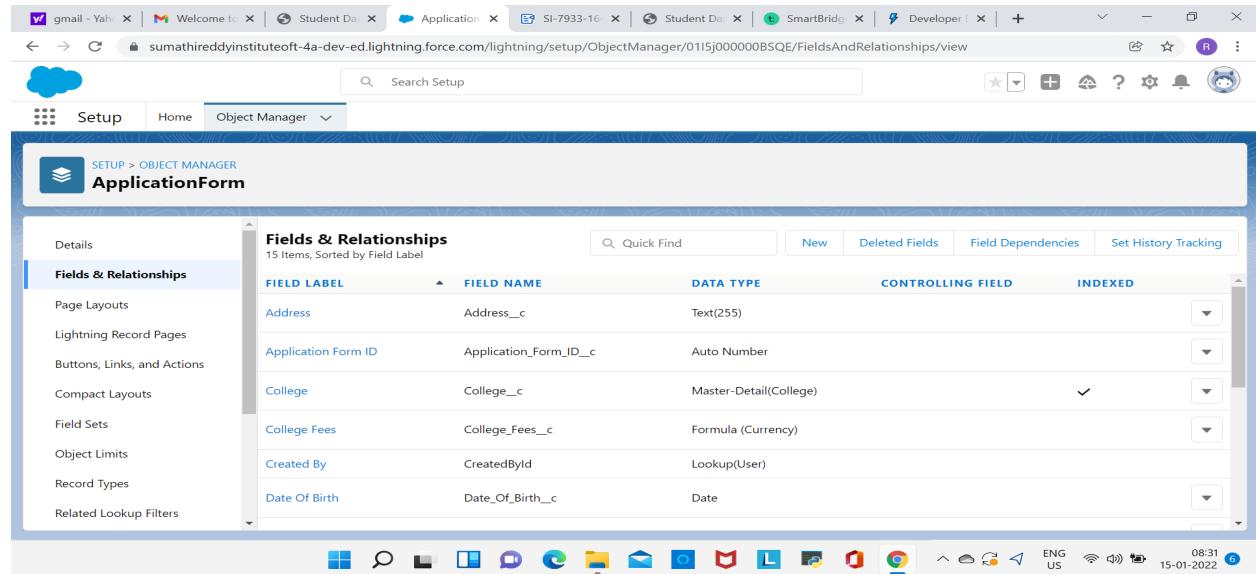
- Created the following fields on the Student object.
 - a. Student Name
 - b. Address
 - c. Application Form
 - d. College Name
 - e. Date Of Birth
 - f. Guardian Name
 - g. Phone
- Click on Object Manager> 'Student Object ' from quick find> click College Object >Fields and Relationship> New> select Data type >give Field Name >next> give the information according to that>save .Repeat the above steps for above fields.

3.Created Fields On Subject Object

- Created the following fields on the Subject object.
 - a. Subject ID
 - b. Paper 1
 - c. Paper 2
 - d. Student
- Click on Object Manager> 'Subject Object ' from quick find> click College Object >Fields and Relationship> New> select Data type >give Field Name >next> give the information according to that>save .Repeat the above steps for above fields.

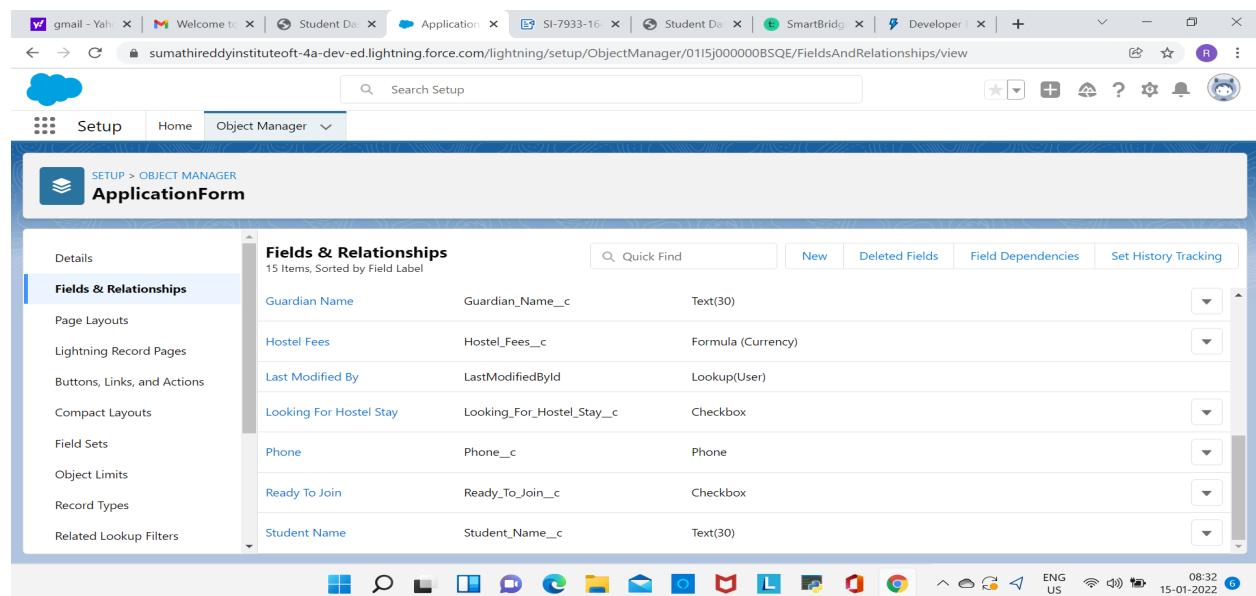
Upload the Screenshot the Milestone :

1.Create Fields On Application Form Object



The screenshot shows the Salesforce Object Manager interface for the 'ApplicationForm' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays a table titled 'Fields & Relationships' with 15 items. The columns are: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|---------------------|-----------------------|------------------------|-------------------|---------|
| Address | Address_c | Text(255) | | |
| Application Form ID | Application_Form_ID_c | Auto Number | | |
| 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 | | |



The screenshot shows the Salesforce Object Manager interface for the 'ApplicationForm' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays a table titled 'Fields & Relationships' with 15 items. The columns are: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|-------------------------|---------------------------|--------------------|-------------------|---------|
| Guardian Name | Guardian_Name_c | Text(30) | | |
| Hostel Fees | Hostel_Fees_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) | | |

The screenshot shows the Salesforce Object Manager interface for the 'ApplicationForm' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main area displays the 'Fields & Relationships' section with 15 items. The table shows field labels, field names, and data types. Key fields include 'Email' (Email Unique), 'Form Number' (Auto Number), 'Guardian Name' (Text(30)), 'Hostel Fees' (Formula Currency), 'Last Modified By' (Lookup(User)), 'Looking For Hostel Stay' (Checkbox), and 'Phone' (Phone). The top navigation bar includes tabs for Setup, Home, and Object Manager, along with a search bar and various system icons.

| FIELD LABEL | FIELD NAME | DATA TYPE |
|-------------------------|---------------------------|--------------------|
| Email | Email_c | Email (Unique) |
| Form Number | Name | Auto Number |
| Guardian Name | Guardian_Name_c | Text(30) |
| Hostel Fees | Hostel_Fees_c | Formula (Currency) |
| Last Modified By | LastModifiedById | Lookup(User) |
| Looking For Hostel Stay | Looking_For_Hostel_Stay_c | Checkbox |
| Phone | Phone_c | Phone |

2.Create Fields On Student Object

The screenshot shows the Salesforce Object Manager interface for the 'Students' object. The left sidebar lists various setup categories. The main area displays the 'Fields & Relationships' section with 10 items. The table shows field labels, field names, data types, controlling fields, and indexed status. Key fields include 'Address' (Text(255)), 'Application Form' (Lookup(ApplicationForm)), 'College Name' (Formula Text), 'Created By' (Lookup(User)), 'Date Of Birth' (Date), and 'Guardian Name' (Text(30)). The top navigation bar includes tabs for Setup, Home, and Object Manager, along with a search bar and various system icons.

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|--------------------|-------------------------|-------------------|---------|
| Address | Address_c | Text(255) | | |
| Application Form | Application_Form_c | Lookup(ApplicationForm) | | |
| College Name | College_Name_c | Formula (Text) | | |
| Created By | CreatedBy | Lookup(User) | | |
| Date Of Birth | Date_of_Birth_c | Date | | |
| Guardian Name | Guardian_Name_c | Text(30) | | |

Fields & Relationships
10 Items, Sorted by Field Label

| Created By | CreatedById | Lookup(User) |
|------------------|------------------|--------------------|
| Date Of Birth | Date_of_Birth_c | Date |
| Guardian Name | Guardian_Name_c | Text(30) |
| Last Modified By | LastModifiedById | Lookup(User) |
| Owner | OwnerId | Lookup(User,Group) |
| Phone | Phone_c | Phone |
| Students Name | Name | Text(80) |

3.Create Fields On Subject Object

Fields & Relationships
8 Items, Sorted by Field Label

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|--------------------|-------------------|---------|
| Created By | CreatedById | Lookup(User) | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Owner | OwnerId | Lookup(User,Group) | | ✓ |
| Paper 1 | Paper_1_c | Picklist | | |
| Paper2 | Paper2_c | Picklist | | |
| Student | Student_c | Lookup(Students) | | ✓ |
| Subject ID | Subject_ID_c | Auto Number | | |

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for Setup, Home, and Object Manager. The main title is "SETUP > OBJECT MANAGER Subjects". On the left, a sidebar lists various setup options under "Fields & Relationships". The main content area is titled "Fields & Relationships" and displays eight items, sorted by Field Label. Each item has three columns: Field Name, Data Type, and Description.

| Field Name | Data Type | Description |
|------------------|------------------|--------------------|
| Last Modified By | LastModifiedById | Lookup(User) |
| Owner | OwnerId | Lookup(User,Group) |
| Paper 1 | Paper_1_c | Picklist |
| Paper2 | Paper2_c | Picklist |
| Student | Student_c | Lookup(Students) |
| Subject ID | Subject_ID_c | Auto Number |
| Subject Name | Name | Text(80) |

DAY 4 : 6-01-2022

TOPIC : Adding Business Logic To Application

Milestone/Activities :

1.Creating Global Picklist Value Sets

2.Creating Field Dependencies

Detailed Description:

1.Creating Global Picklist Value Sets

- Created the following Global Picklist value sets for the application.
 - College
 - Paper 1
 - Paper

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

| | |
|--------|------|
| Paper1 | APEX |
| | JAVA |
| | C |
| | C++ |

| | |
|--------|-------------|
| Paper2 | MATHEMATICS |
| | ENGLISH |
| | STATISTICS |

- In Setup>Picklist value Sets from quick find > New > 'College' in label and gives values > save. Repeat steps for 'Paper 1' and 'Paper 2'.

2.Creating Field Dependencies

- a. Created field dependency between College Name and Email.
- In Object manager > college object > Fields and Relationships > Field Dependencies > Controlling Field as 'College Name' and Dependent Field as 'Email' > save.
- b. Created field dependency between College Name and Capacity Of Students.
- In Object manager > college object > Fields and Relationships > Field Dependencies > Controlling Field as 'College Name' and Dependent Field as 'Capacity Of Students' > save

Upload the Screenshot the Milestone :

1.Creating Global Picklist Value Sets

The screenshot shows the Salesforce Setup interface with the URL <https://sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/home>. The left sidebar is expanded, showing sections like Data, Feature Settings, and Objects and Fields, with 'Picklist Value Sets' selected. The main content area is titled 'Picklist Value Sets' and contains a table of 'Global Value Sets'. The table has columns for Action, Label, and Description. It lists three entries: 'Edit | Del College', 'Edit | Del Paper1', and 'Edit | Del Paper2'. A note at the bottom says 'Deleted Global Value Sets (0)'. The status bar at the bottom right shows 'ENG US' and the date '15-01-2022'.

a. College

The screenshot shows the Salesforce Setup interface with the URL <https://sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0NT5j000000kl7x>. The left sidebar is expanded, showing sections like Data, Feature Settings, and Objects and Fields, with 'Picklist Value Sets' selected. The main content area is titled 'Global Value Set' for 'College'. It shows the 'Information' section with 'Label' set to 'College', 'Name' set to 'College', and 'Description' empty. Below it is the 'Picklist Values Used' section, which shows 'Active and inactive picklist values' count as '6 (1,000 max)'. At the bottom is a 'Values' section with buttons for 'New', 'Reorder', 'Replace', 'Printable View', and 'Chart Colors'. The status bar at the bottom right shows 'ENG US' and the date '15-01-2022'.

sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0Nt5j000000kl7x

Picklist Value Sets

| Action | Values | API Name | Default | Chart Colors | Modified By |
|-------------------------|---------|----------|--------------------------|----------------------|---|
| Edit Del Deactivate | MIT-HYD | MIT-HYD | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-BLR | MIT-BLR | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-MUM | MIT-MUM | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-MAA | MIT-MAA | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-DEL | MIT-DEL | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-CCU | MIT-CCU | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |

Inactive Values
No Inactive Values values defined.

Fields Where Used

| Field Label | Object | Data Type | Controlling Field |
|--------------|---------|-----------|-------------------|
| College Name | College | Picklist | |

b.Paper 1

sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0Nt5j000000klB2

Global Value Set

[Help for this Page](#)

Global Value Set Detail

Information

| | |
|-------------|---------|
| Label | Paper 1 |
| Name | Paper_1 |
| Description | |

Picklist Values Used

Active and inactive picklist values 4 (1,000 max)

Values

| Action | Values | API Name | Default | Chart Colors | Modified By |
|-------------------------|---------|----------|--------------------------|----------------------|---|
| Edit Del Deactivate | MIT-HYD | MIT-HYD | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-BLR | MIT-BLR | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-MUM | MIT-MUM | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-MAA | MIT-MAA | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-DEL | MIT-DEL | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | MIT-CCU | MIT-CCU | <input type="checkbox"/> | Assigned dynamically | Vanaparthy Ramya Sree, 1/12/2022, 3:12 AM |

sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0Nt5j000000klB2

Picklist Value Sets

| Action | Values | API Name | Default | Chart Colors | Modified By |
|-------------------------|--------|----------|--------------------------|----------------------|---|
| Edit Del Deactivate | APEX | APEX | <input type="checkbox"/> | Assigned dynamically | Vanaparthy,Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | JAVA | JAVA | <input type="checkbox"/> | Assigned dynamically | Vanaparthy,Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | C | C | <input type="checkbox"/> | Assigned dynamically | Vanaparthy,Ramya Sree, 1/12/2022, 3:12 AM |
| Edit Del Deactivate | C++ | C++ | <input type="checkbox"/> | Assigned dynamically | Vanaparthy,Ramya Sree, 1/12/2022, 3:12 AM |

Inactive Values
No Inactive Values values defined.

Fields Where Used

| Field Label | Object | Data Type | Controlling Field |
|-------------|----------|-----------|-------------------|
| Paper_1 | Subjects | Picklist | |

Always show me **more** records per related list

c.Paper2

sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0Nt5j000000klB2

Global Value Set

Global Value Set Detail

| Label | Paper2 |
|-------------|--------|
| Name | Paper2 |
| Description | |

Picklist Values Used
Active and inactive picklist values 3 (1,000 max)

| New | Reorder | Replace | Printable View | Chart Colors |
|-----|---------|---------|----------------|--------------|
|-----|---------|---------|----------------|--------------|

Picklist Value Sets

| Action | Values | API Name | Default | Chart Colors | Modified By |
|-------------------------|-------------|-------------|--------------------------|----------------------|---|
| Edit Del Deactivate | MATHEMATICS | MATHEMATICS | <input type="checkbox"/> | Assigned dynamically | Vanaparthy.Ramya.Sree, 1/12/2022, 3:13 AM |
| Edit Del Deactivate | ENGLISH | ENGLISH | <input type="checkbox"/> | Assigned dynamically | Vanaparthy.Ramya.Sree, 1/12/2022, 3:13 AM |
| Edit Del Deactivate | STATISTICS | STATISTICS | <input type="checkbox"/> | Assigned dynamically | Vanaparthy.Ramya.Sree, 1/12/2022, 3:13 AM |

Inactive Values
No Inactive Values values defined.

Fields Where Used

| Field Label | Object | Data Type | Controlling Field |
|-------------|----------|-----------|-------------------|
| Paper2 | Subjects | Picklist | |

2.Creating Field Dependencies

College Field Dependencies

| Action | Controlling Field | Dependent Field | Modified By |
|------------|-------------------|----------------------|---|
| Edit Del | College Name | Email | Vanaparthy.Ramya.Sree, 1/12/2022, 3:18 AM |
| Edit Del | College Name | Capacity Of Students | Vanaparthy.Ramya.Sree, 1/12/2022, 3:19 AM |

DAY 5 : 7-01-2022

TOPIC : Adding Business Logic To Application

Milestone/Activities :

1.Creating Validation Rules

Detailed Description:

1.Creating Validation Rules

a. Created a validation rule on the college object.

➤ Setup>object manager > college object > Validation Rules>New> give Rule Name and give the Error Condition Formula> save .

b. created a validation rule on the application form object.

➤ Setup>object manager > application form object > Validation Rules>New> give Rule Name and give the Error Condition Formula> save .

Upload the Screenshot the Milestone :

a. Created a validation rule on the college object.

The screenshot shows the Salesforce Object Manager interface for the 'College' object. On the left, a sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'College Validation Rule' and displays the following details:

| Validation Rule Detail | Active |
|--|--------|
| Rule Name: College_Name_Similar | ✓ |
| Error Condition Formula: Name > TEXT(College_Name__c) | |
| Error Message: Please use college name in record info | |
| Description: | |
| Created By: Vanaparthy.Ramya.Sree, 1/12/2022, 6:19 PM | |
| Modified By: Vanaparthy.Ramya.Sree, 1/12/2022, 6:19 PM | |

The status bar at the bottom indicates the time as 10:26 and the date as 15-01-2022.

b. created a validation rule on the application form object.

The screenshot shows the Salesforce Object Manager interface for the 'ApplicationForm' object. On the left, a sidebar lists various configuration options like Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, Triggers, and Validation Rules. The main content area is titled 'ApplicationForm Validation Rule' and displays the following details:

| Validation Rule Detail | Active |
|--|--------|
| Rule Name: Once_a_student_record_is_created | ✓ |
| Error Condition Formula: AND(Ready_To_Join__c == true, OR(ISCHANGED(Address__c), ISCHANGED(College__c), ISCHANGED(DateOfBirth__c), ISCHANGED>Email__c), ISCHANGED(GuardianName__c), ISCHANGED(Phone__c)) | |
| Error Message: To stop any modification on the application form once a student record is created | |
| Description: | |
| Created By: Vanaparthy.Ramya.Sree, 1/12/2022, 7:12 PM | |
| Modified By: Vanaparthy.Ramya.Sree, 1/12/2022, 7:12 PM | |

The status bar at the bottom indicates the time as 10:27 and the date as 15-01-2022.

DAY 6 : 10-01-2022

TOPIC : Adding Business Logic To Application

Milestone/Activities :

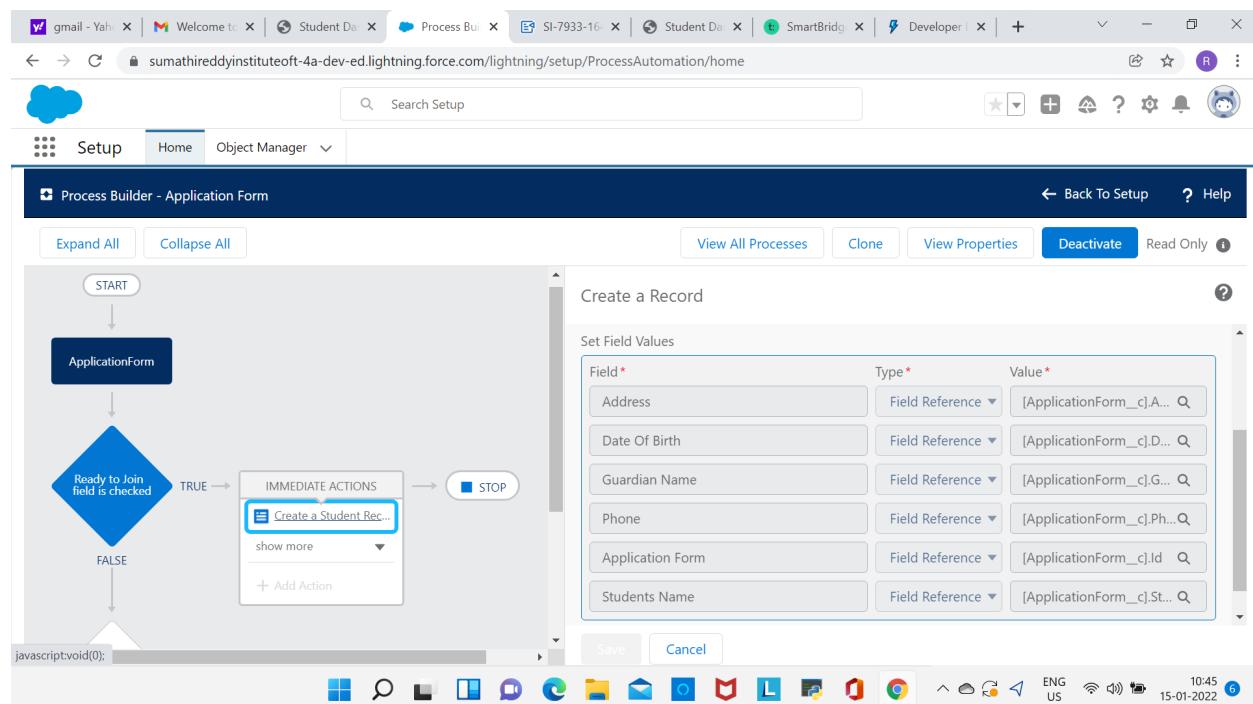
Process Automation

Detailed Description:

Process Automation

- First I sign in the developer.salesforce.com with all required information, then I clicked setup> process builder>New after I created when the "ready to join " field is checked on th application form object according to the requirements.

Upload the Screenshot the Milestone :



DAY 7 : 11-01-2022

TOPIC : Adding Business Logic To Application

Milestone/Activities :

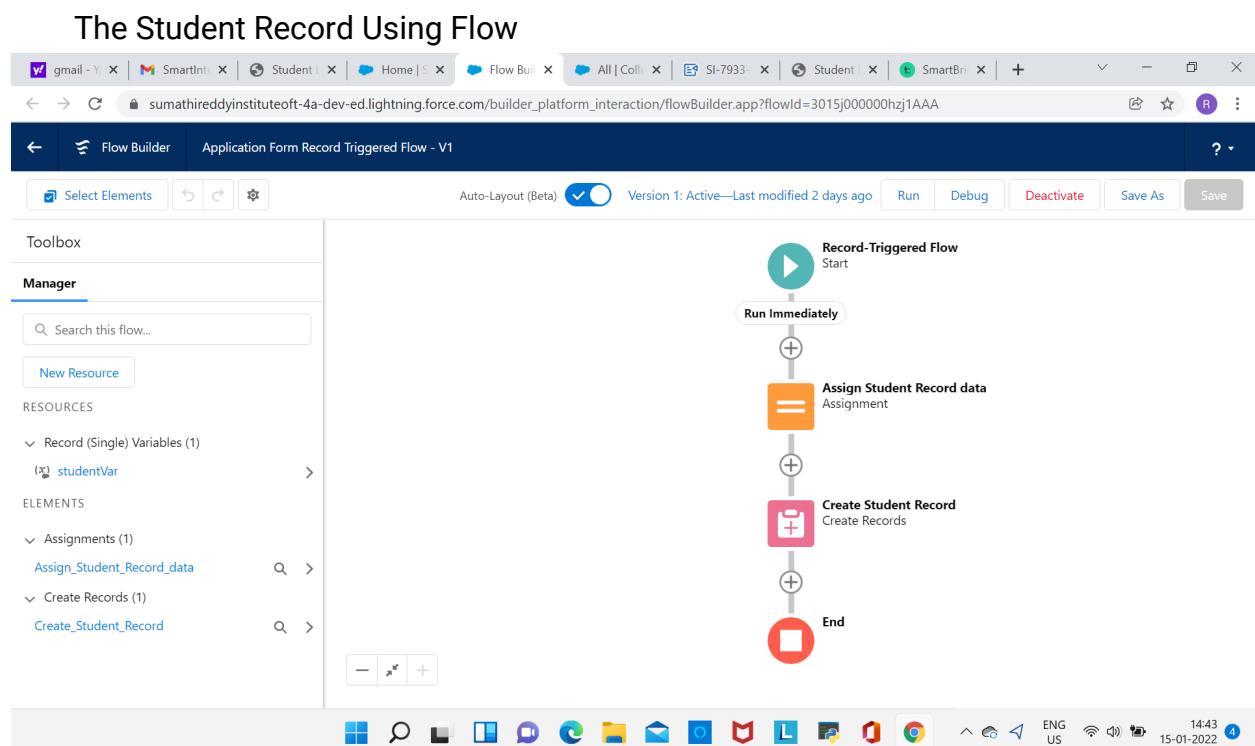
Create The Student Record Using Flow

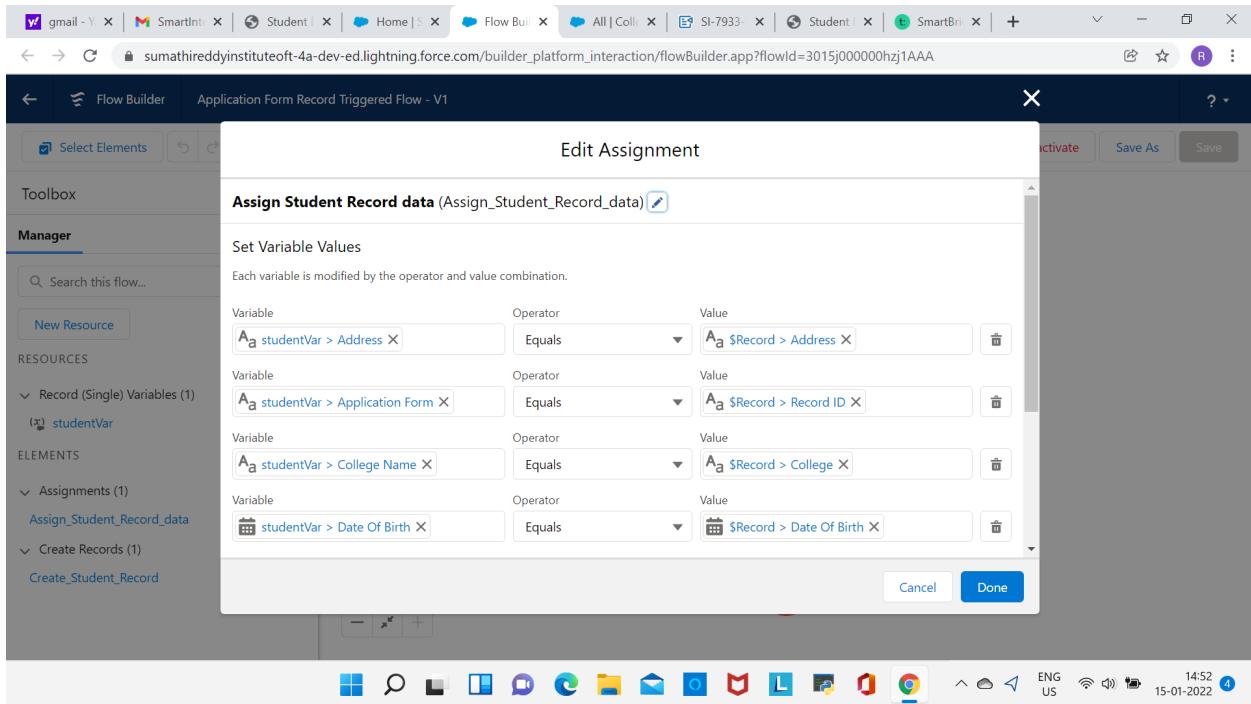
Detailed Description:

Create The Student Record Using Flow

- Setup > Flows from quick find > click on New Flow > record Trigger Flow then I create The Student Record.

Upload the Screenshot the Milestone :





DAY 8 : 12-01-2022

TOPIC : General discussion on student doubts

DAY 9 : 13-01-2022

TOPIC : Batch Apex

Milestone/Activities :

- a. Create A Batchapex For Application Form
- b. Create A Schedular Class

Detailed Description:

a. Create A Batchapex For Application Form

- Click on App icon > College Management> click on gear ion select Developer console > File> New> Apex class> enter class name > and enter the code >save> run the code.

b. Create A Schedular Class

- In Developer console , click on File> New> Apex Class>enter Class name> enter code>save >Run.

Upload the Screenshot the Milestone :

a. Create A Batchapex For Application Form

The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes File, Edit, Debug, Test, Workspace, Help, and tabs for ApplicationBatchTest.apxc and applicationschedule.apxc. Below the tabs, there's a code editor with the following Apex code:

```
18     }
19 }
20 public void finish(Database.BatchableContext bc){
21     // emails ,
22     Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
23     // address, subject, content( data to sent to admins)
24     mail.setSubject(' Application form and student record data as of today ');
25     mail.setPlainTextBody(' Total no of application form records are : '+totalForms+ ' out of which no of students as
26     String[] emailAddress = new String[]{ 'ramyasreevanaparthy@gmail.com' };
27     mail.setToAddresses(emailAddress);
28     Messaging.sendEmail(new Messaging.SingleEmailMessage[]{ mail } );
29 }
30 }
```

Below the code editor is a table titled "Logs" showing three log entries:

| User | Application | Operation | Time | Status | Read | Size |
|-----------------------|-------------|----------------------------------|-----------------------|---------|--------|-----------|
| Vanaparthy Ramya Sree | Browser | /ui/setup/apex/batch/Schedule... | 1/14/2022, 1:39:37 PM | Success | Unread | 1.38 KB |
| Vanaparthy Ramya Sree | Browser | /setup/build/listApexClass.apexp | 1/14/2022, 1:35:52 PM | Success | Unread | 656 bytes |
| Vanaparthy Ramya Sree | Browser | /setup/build/listApexClass.apexp | 1/14/2022, 1:34:57 PM | Success | Unread | 658 bytes |

At the bottom of the screenshot, there is a toolbar with various icons and status indicators like ENG US, 13:49, and 14-01-2022.

b. Create A Schedular Class

The screenshot shows the Salesforce Developer Console in Google Chrome. The code editor window displays the following Apex class:

```
1 public class applicationschedule implements Schedulable{
2
3
4
5     public void execute(SchedulableContext sc){
6
7         ApplicationBatchTest abt = new ApplicationBatchTest();
8
9         Database.executeBatch(abt, 400); // 200 to 2000
10
11
12    }
13
14}
```

Below the code editor is a log viewer tab titled "Logs". The log table contains three entries:

| User | Application | Operation | Time | Status | Read | Size |
|-----------------------|-------------|----------------------------------|-----------------------|---------|--------|-----------|
| Vanaparthy Ramya Sree | Browser | /ui/setup/apex/batch/Schedule... | 1/14/2022, 1:39:37 PM | Success | Unread | 1.38 KB |
| Vanaparthy Ramya Sree | Browser | /setup/build/listApexClass.apexp | 1/14/2022, 1:35:52 PM | Success | Unread | 655 bytes |
| Vanaparthy Ramya Sree | Browser | /setup/build/listApexClass.apexp | 1/14/2022, 1:34:57 PM | Success | Unread | 658 bytes |

At the bottom of the developer console window, there is a toolbar with various icons and system status indicators.

The screenshot shows the Salesforce Lightning Platform. The URL in the browser is <https://sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/ApexClasses/page?address=%2Fsetup%2Fbuild%2FlistApexClass.apexp%3FsfclFrame...>. The page title is "Apex Classes".

The left sidebar shows navigation options: "Custom Code" and "Apex Classes". The "Apex Classes" option is selected. A search bar at the top says "Search Setup".

The main content area displays the "Apex Classes" section. It includes a summary message: "Percent of Apex Used: 0.02% You are currently using 1,473 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization." Below this is a "Developer Console" button and a "Compile all classes" button.

A table lists two Apex classes:

| Action | Name | Namespace Prefix | Api Version | Status | Size Without Comments | Last Modified By | Has Trace Flags |
|-----------------------|----------------------|------------------|-------------|--------|-----------------------|-----------------------|---------------------|
| Edit Del Security | ApplicationBatchTest | | 53.0 | Active | 1,255 | Vanaparthy.Ramya.Sree | 1/13/2022, 11:48 PM |
| Edit Del Security | applicationschedule | | 53.0 | Active | 218 | Vanaparthy.Ramya.Sree | 1/13/2022, 11:53 PM |

At the bottom of the page, there is a toolbar with various icons and system status indicators.

gmail - Y | SmartInt | Student | SI-7933 | Home | Apex Class | All | Coll | Student | SmartBri | + | sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/ApexClasses/page?address=%2F01p5j00000AtJYB

The screenshot shows the Salesforce Setup Apex Classes page. The left sidebar has a search bar and categories: Email, Custom Code (with Apex Classes selected), Environments, and Jobs (with Apex Flex Queue and Apex Jobs). A note says "Didn't find what you're looking for? Try using Global Search." The main area shows the Apex Class Detail for 'applicationschedule'. The class body contains the following code:

```
1 public class applicationschedule implements Schedulable{  
2  
3  
4  
5     public void execute(SchedulableContext sc){  
6         ApplicationBatchTest abt = new ApplicationBatchTest();  
7         Database.executeBatch(abt, 400); // 200 to 2000  
8  
9  
10    }  
11  
12 }  
13 }
```

Buttons at the bottom include Edit, Delete, Download, Security, Show Dependencies, Class Body, Class Summary, Version Settings, and Trace Flags.

