

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

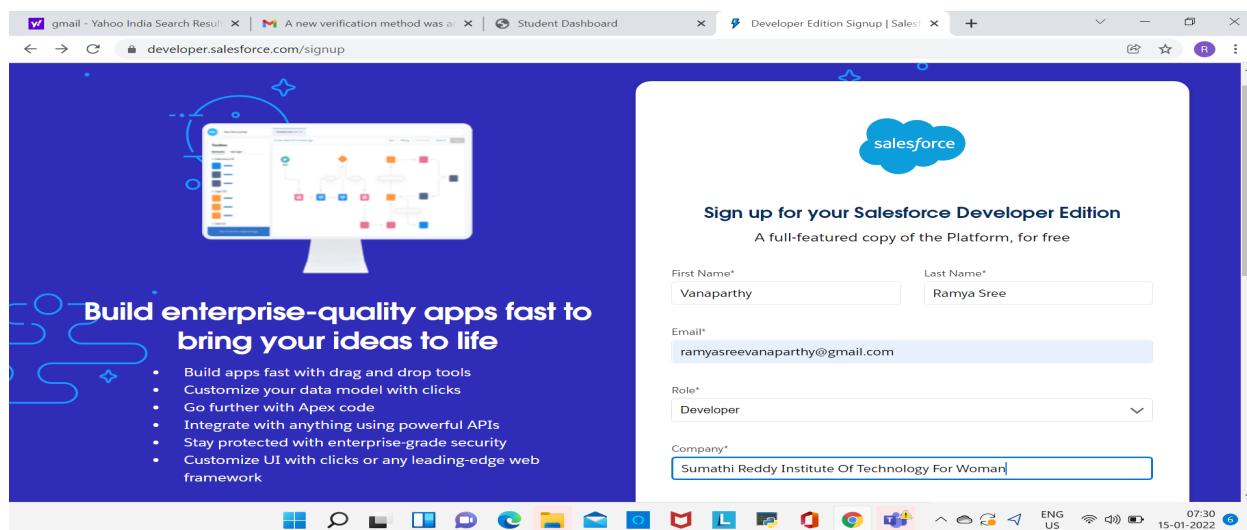
Detailed Description:

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

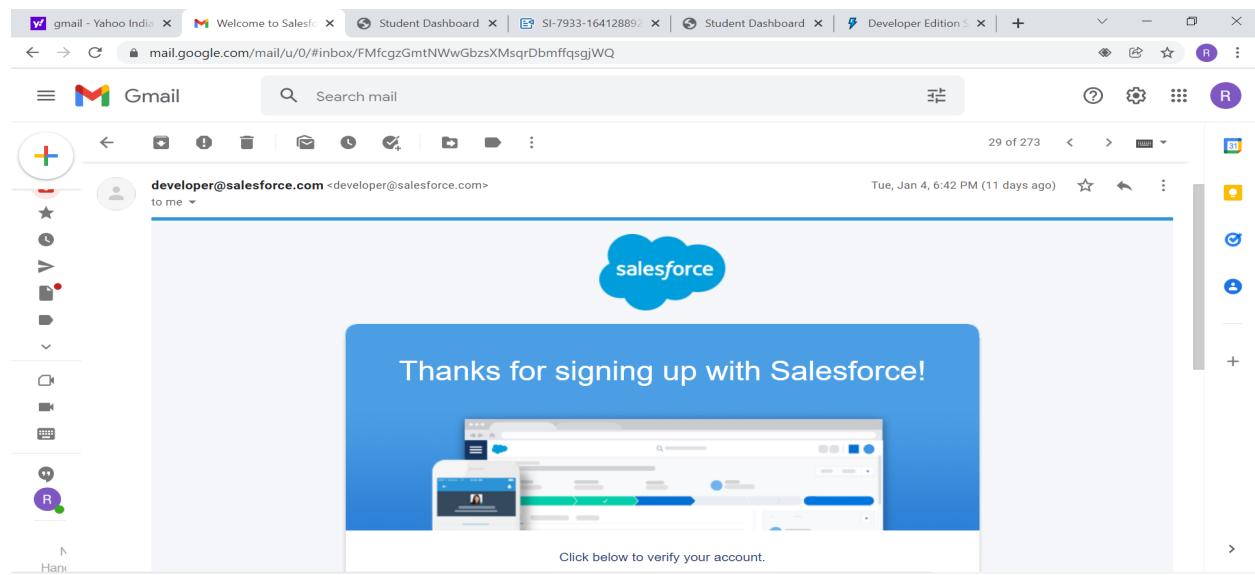
- Click setup > app manager> new lightning app> give the API names > navigation item >save .

Upload the Screenshot the Milestone :

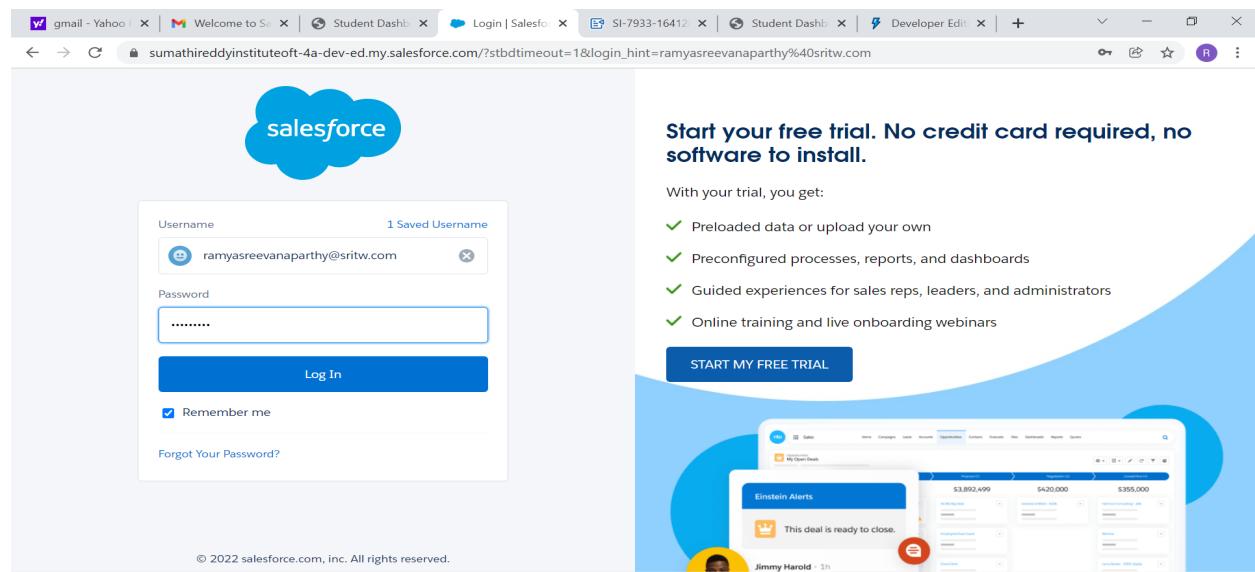
1.Creating Developer Account



2.Account Activation



3.Login To Your Salesforce Account



The screenshot shows the Salesforce Setup Home interface. The left sidebar includes links for 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 a "SETUP Home" section with 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 within the Salesforce environment. The top navigation bar includes links for Colleges, ApplicationForms, Students, and Subjects. The main content area displays a list of colleges with the following data:

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

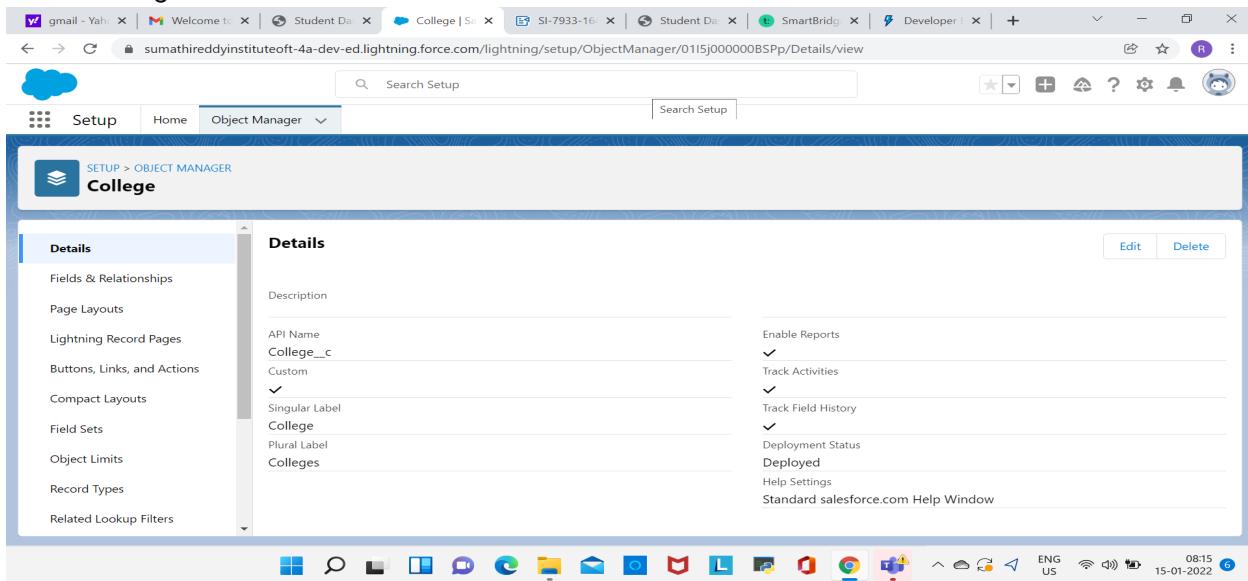
- Created the following Fields on the College Object.
 - a. Record Info
 - b. College Fees
 - c. Hostel Fees
 - d. College Name
 - e. Email
 - f. Capacity Of Students

➤ 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

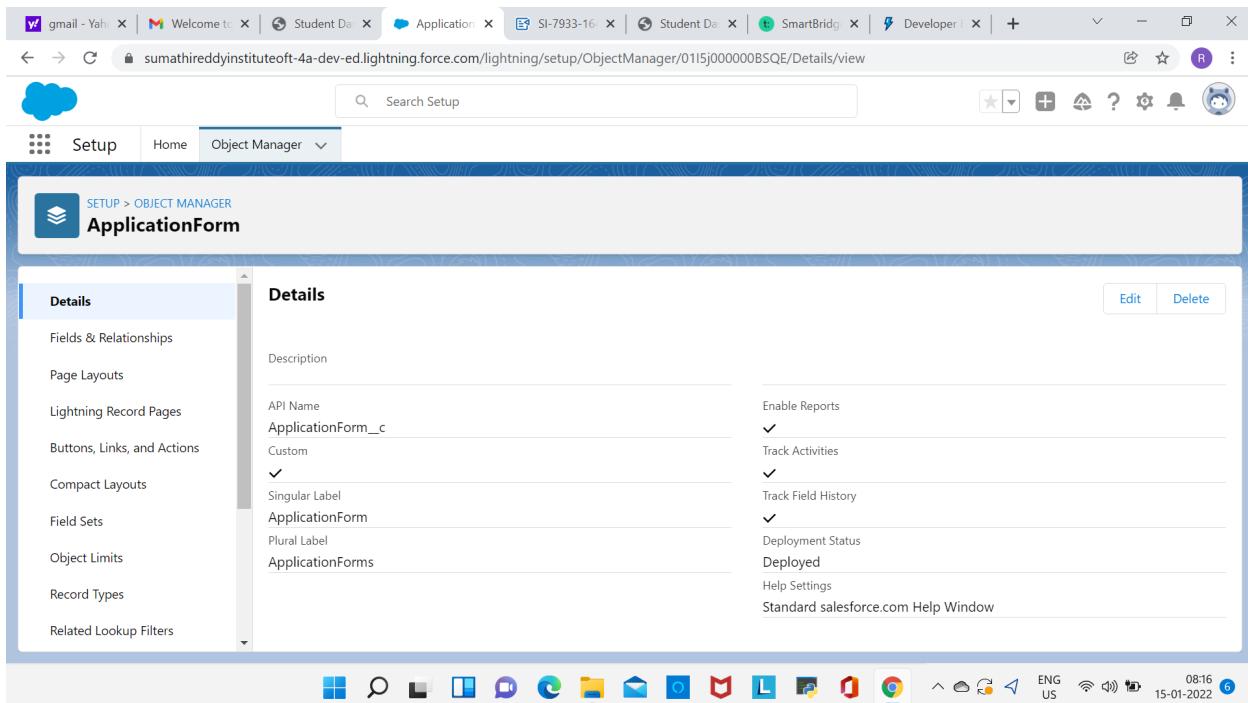
a.College



The screenshot shows the Salesforce Object Manager interface for a custom object named 'College'. 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, showing the following configuration:

- 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 a custom object named 'ApplicationForm'. 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, showing the following configuration:

- 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. The 'Description' field is empty. The 'API Name' is set to 'Students__c'. Under the 'Custom' section, 'Singular Label' is 'Students' and 'Plural Label' is also 'Students'. On the right, under 'Enable Reports', 'Track Activities', 'Track Field History', and 'Deployment Status' are checked. 'Help Settings' is set to 'Standard salesforce.com Help Window'. The top navigation bar shows multiple tabs open, including 'Students' and 'Developer'. The bottom status bar indicates the time is 08:17 and the date is 15-01-2022.

d. Subjects

The screenshot shows the Salesforce Object Manager interface for the 'Subjects' object. The left sidebar lists the same configuration tabs as the 'Students' object. The main 'Details' tab is selected. The 'Description' field is empty. The 'API Name' is set to 'Subjects__c'. Under the 'Custom' section, 'Singular Label' is 'Subjects' and 'Plural Label' is also 'Subjects'. On the right, under 'Enable Reports', 'Track Activities', 'Track Field History', and 'Deployment Status' are checked. 'Help Settings' is set to 'Standard salesforce.com Help Window'. The top navigation bar shows multiple tabs open, including 'Subjects' and 'Developer'. The bottom status bar indicates the time is 08:18 and the date is 15-01-2022.

2.Create Fields On College Object

The screenshot shows the Salesforce Setup interface with the URL sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000BSPp/FieldsAndRelationships/view. The page title is "College". The left sidebar under "Fields & Relationships" includes links for 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 displays a table titled "Fields & Relationships" with 9 items, sorted by Field Label. The table 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
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)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

The screenshot shows the Salesforce Setup interface with the same URL and page title as the previous screenshot. The left sidebar and table structure remain the same. However, the "Owner" field now has a checked checkbox in the "INDEXED" column, indicating it is indexed.

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

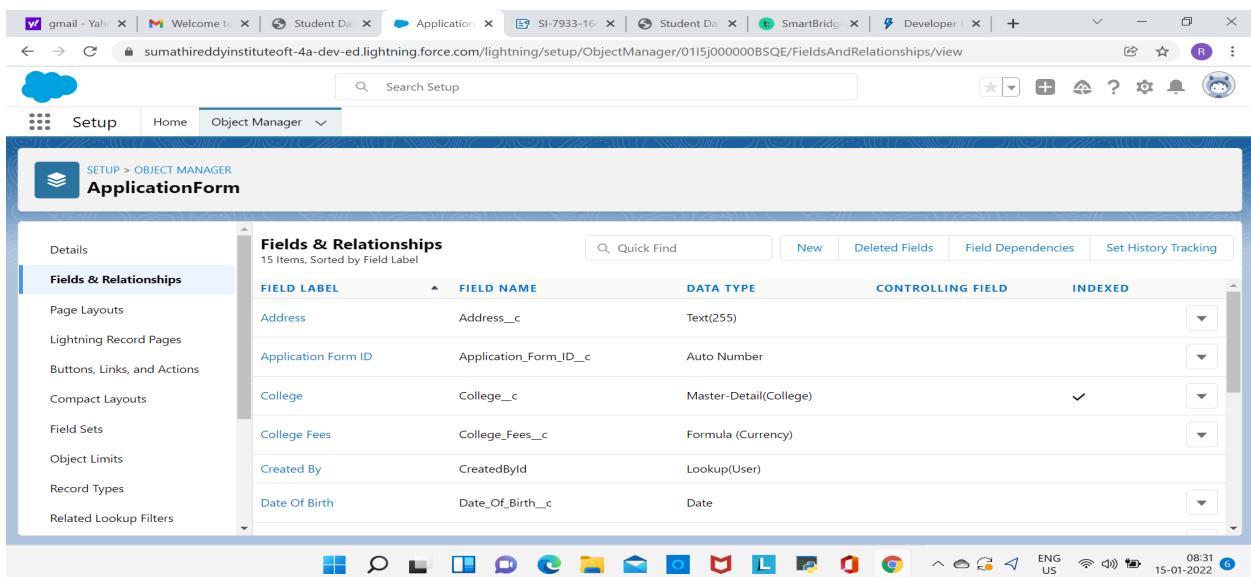
- Created the following fields on the Student object.
 - a. Student Name
 - b. Address
 - c. Application Form
 - d. College Name
 - e. Date Of Birth
 - f. Guardian Name
 - g. Phone
- Click on Object Manager> 'Student Object ' from quick find> click College Object >Fields and Relationship> New> select 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.

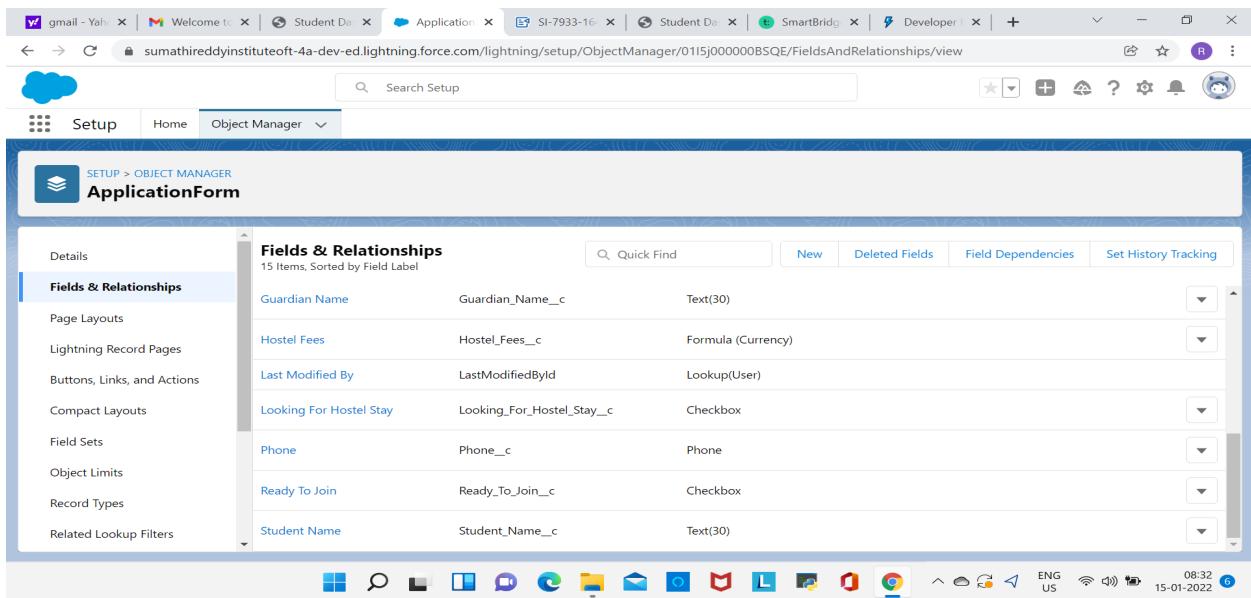
Upload the Screenshot the Milestone :

1.Create Fields On Application Form Object



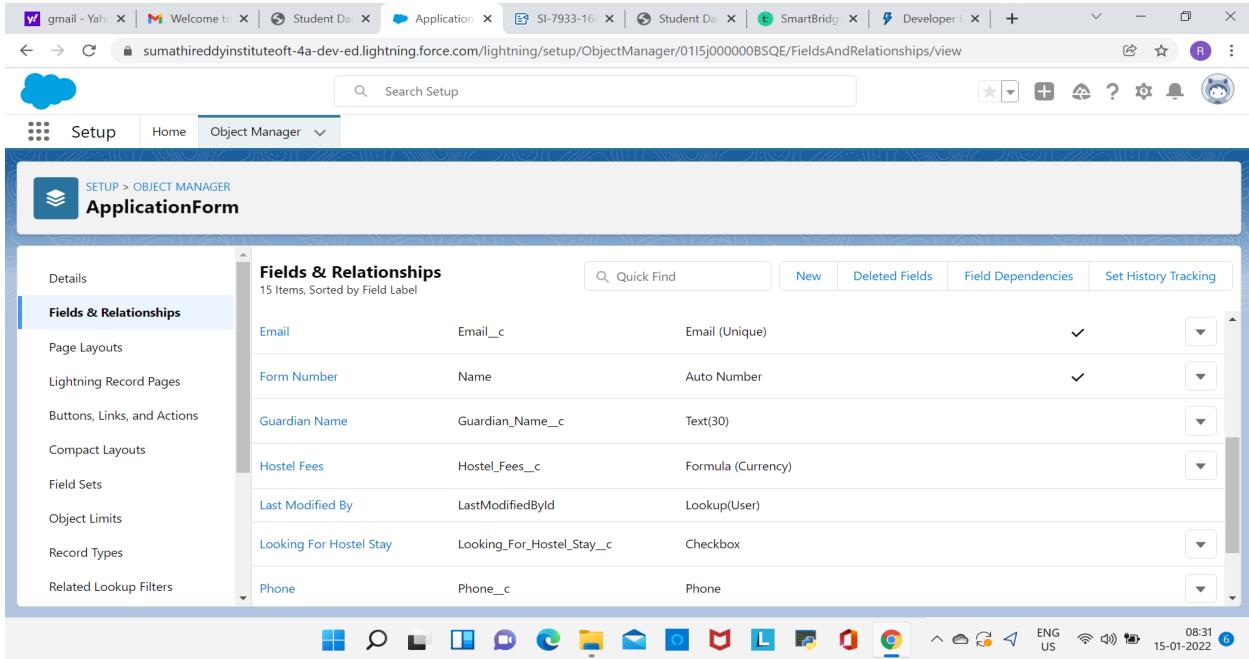
The screenshot shows the Salesforce Object Manager interface for the ApplicationForm object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays a table titled 'Fields & Relationships' with 15 items. The columns are FIELD LABEL,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



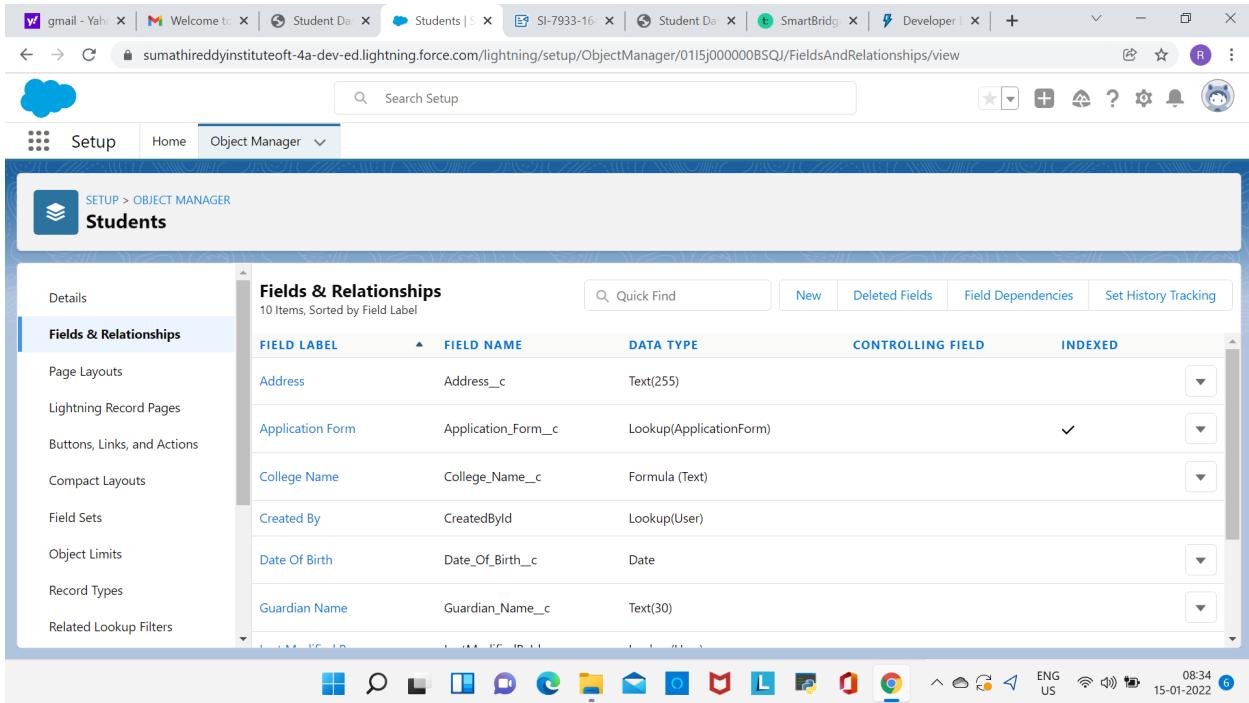
The screenshot shows the Salesforce Object Manager interface for the ApplicationForm object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays a table titled 'Fields & Relationships' with 15 items. The columns are FIELD LABEL, 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 Page Layouts, Lightning Record Pages, and Fields & Relationships. The main content area is titled 'Fields & Relationships' and displays a table with 15 items. The table columns are Field Label, Field Name, Data Type, Controlling Field (with a dropdown arrow), and Indexed (with a checkmark). The fields listed are: 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; and 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 content area is titled 'Fields & Relationships' and displays a table with 10 items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD (with a dropdown arrow), and INDEXED (with a checkmark). The fields listed are: Address, Address_c, Text(255); Application Form, Application_Form_c, Lookup(ApplicationForm); College Name, College_Name_c, Formula (Text); Created By, CreatedById, Lookup(User); Date Of Birth, Date_Of_Birth_c, Date; and Guardian Name, Guardian_Name_c, Text(30).

The screenshot shows the Salesforce Object Manager interface for the 'Students' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays the 'Fields & Relationships' section, which contains 10 items sorted by field label. The fields listed are: 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), and Students Name (Name, Text(80)).

3.Create Fields On Subject Object

The screenshot shows the Salesforce Object Manager interface for the 'Subjects' object. The left sidebar lists various setup options. The main area displays the 'Fields & Relationships' section, which contains 8 items sorted by field label. The fields listed are: 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)), and Subject ID (Subject_ID__c, Auto Number).

The screenshot shows the Salesforce Object Manager interface for the 'Subjects' object. The left sidebar has 'Fields & Relationships' selected. The main area displays a table titled 'Fields & Relationships' with 8 items, sorted by Field Label. The table columns are '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', and 'Subject Name', 'Name', 'Text(80)'. The interface includes a top navigation bar with tabs like Setup, Home, Object Manager, and a search bar labeled 'Search Setup'. The bottom right corner shows system status: ENG US, 08:41, 15-01-2022, and a battery icon with the number 6.

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.
 - a. College
 - b. Paper 1
 - c. 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'. One entry is visible: 'College' with Label 'College' and Name 'College'. A 'New' button is at the top right of the table. The bottom of the screen shows the Windows taskbar with various application icons.

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=%2F0NTj000000kl7x>. 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 'Global Value Set Detail' section with 'Label' set to 'College' and 'Name' set to 'College'. Below it is the 'Picklist Values Used' section, which lists 6 active and inactive picklist values. At the bottom is a 'Values' section with buttons for 'New', 'Reorder', 'Replace', 'Printable View', and 'Chart Colors'. The bottom of the screen shows the Windows taskbar with various application icons.

b.Paper 1

Setup | Home | Object Manager | Search Setup | More

Sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0NT5j000000kl82

Picklist Value Sets

Values

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	

Back To Top Always show me more records per related list

ENG US 09:55 15-01-2022 6

c.Paper2

Setup | Home | Object Manager | Search Setup | More

Sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0NT5j000000kl82

Picklist Value Sets

Global Value Set

Help for this Page

Global Value Set Detail

Information

Label	Paper2
Name	Paper2
Description	

Picklist Values Used

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

Values

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

Back To List Values [3] | Inactive Values [0] | Fields Where Used [1]

ENG US 09:57 15-01-2022 6

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

- Page Header:** sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0Nt5j000000klb7
- Left Sidebar:**
 - Data
 - Picklist Settings
 - State and Country/Territory Picklists
 - Feature Settings
 - Topics
 - Topic Assignment Triggers
 - Topic Triggers
 - Topics for Objects
 - Objects and Fields
 - Picklist Value Sets
- Middle Content:**

PICKLIST VALUE SETS

Values

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	
- Bottom:** Navigation bar with icons for Home, Object Manager, and various system links. Status bar showing ENG US, 09:58, 15-01-2022, and a notification count of 6.

2. Creating Field Dependencies

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

- Page Header:** sumathireddyinstituteoft-4a-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01I5j000000BSPp/FieldsAndRelationships/viewDependencyList
- Left Sidebar:**
 - College
 - Details
 - Fields & Relationships
 - Page Layouts
 - Lightning Record Pages
 - Buttons, Links, and Actions
 - Compact Layouts
 - Field Sets
 - Object Limits
 - Record Types
 - Related Lookup Filters
- Middle Content:**

College Field Dependencies

* Back to Custom Object: College

This page allows you to define dependencies between fields (e.g., dependent picklists).

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
- Bottom:** Navigation bar with icons for Home, Object Manager, and various system links. Status bar showing ENG US, 10:07, 15-01-2022, and a notification count of 6.

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, and Validation Rules. The main panel displays the 'College Validation Rule' detail page. The rule is named 'College_Name_Similar' and is active. The error condition formula is 'Name > TEXT(College_Name__c)'. The error message is 'Please use college name in record info'. The error location is set to 'Top of Page'. The rule was created by 'Vanaparthy.Ramya.Sree' on 1/12/2022, 6:19 PM, and modified by the same user on the same date and time. The status bar at the bottom indicates it's 10:26 AM on 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, and Validation Rules. The main panel displays the 'ApplicationForm Validation Rule' detail page. The rule is named 'Once_a_student_record_is_created' and is active. The error condition formula is '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)))'. The error message is 'To stop any modification on the application form once a student record is created'. The error location is set to 'Top of Page'. The rule was created by 'Vanaparthy.Ramya.Sree' on 1/12/2022, 7:12 PM, and modified by the same user on the same date and time. The status bar at the bottom indicates it's 10:27 AM on 15-01-2022.

DAY 6 : 10-01-2022

TOPIC : Adding Business Logic To Application

Milestone/Activities :

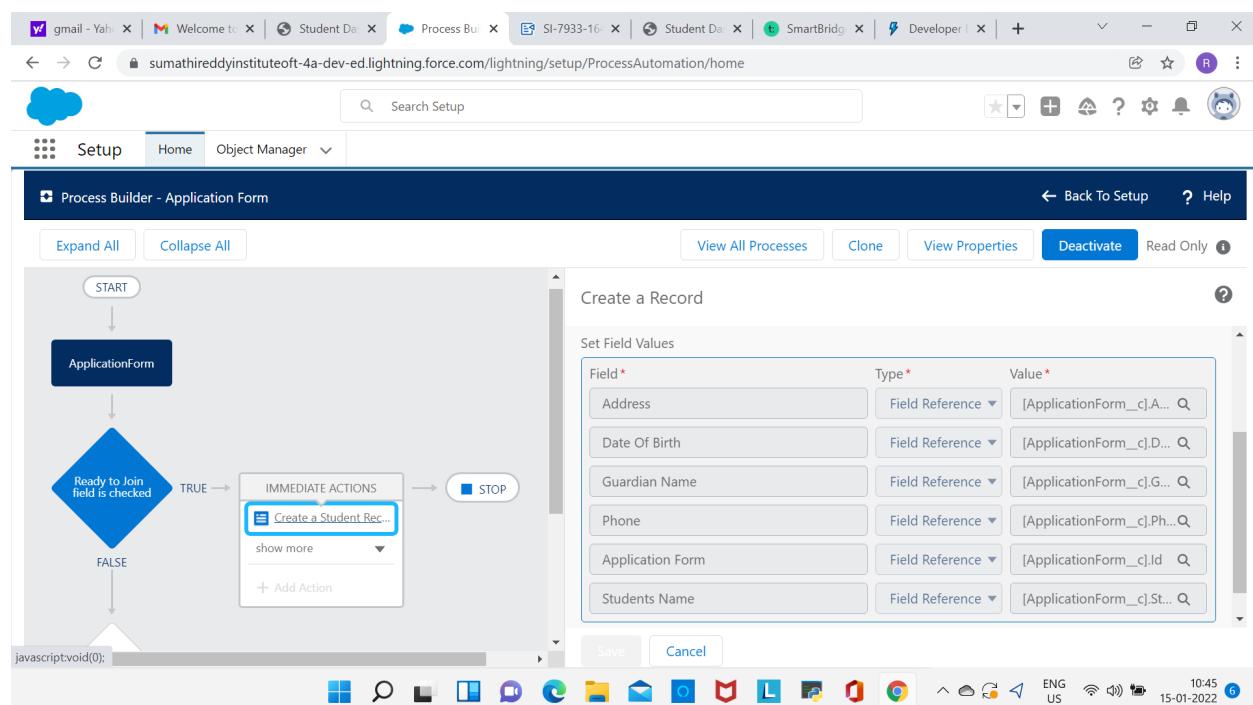
Process Automation

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 :

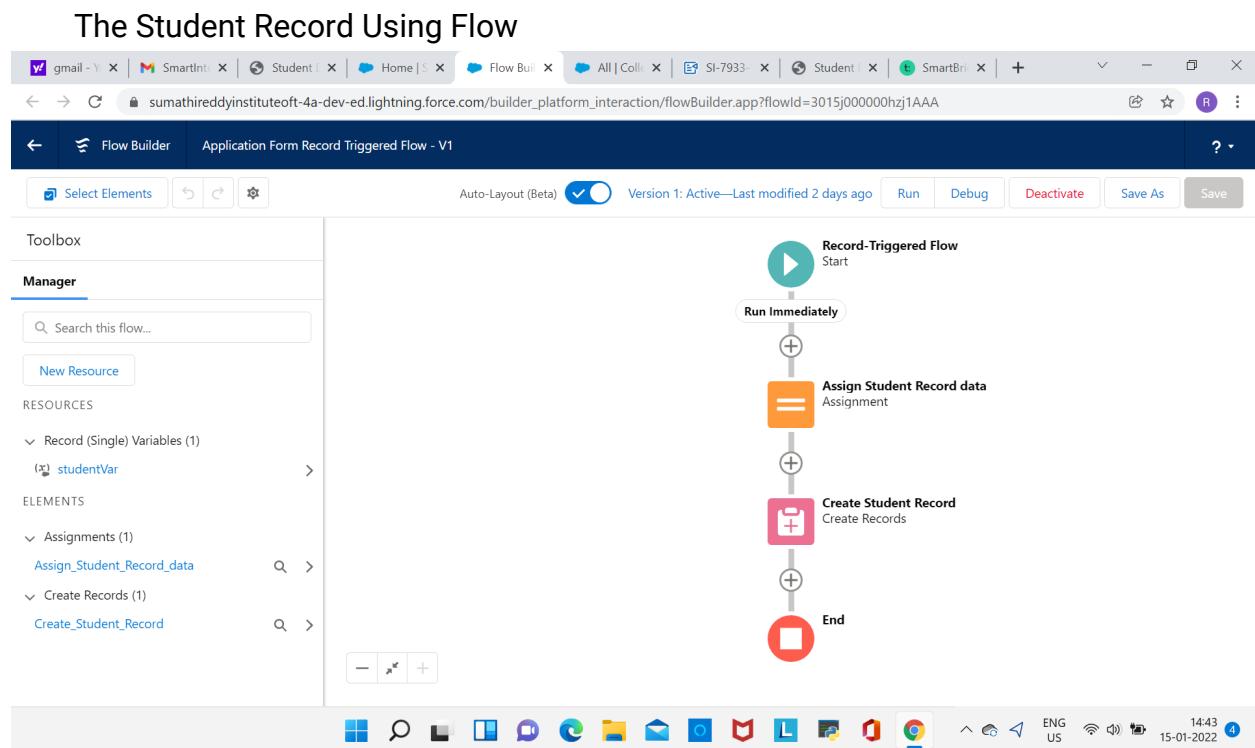
Create The Student Record Using Flow

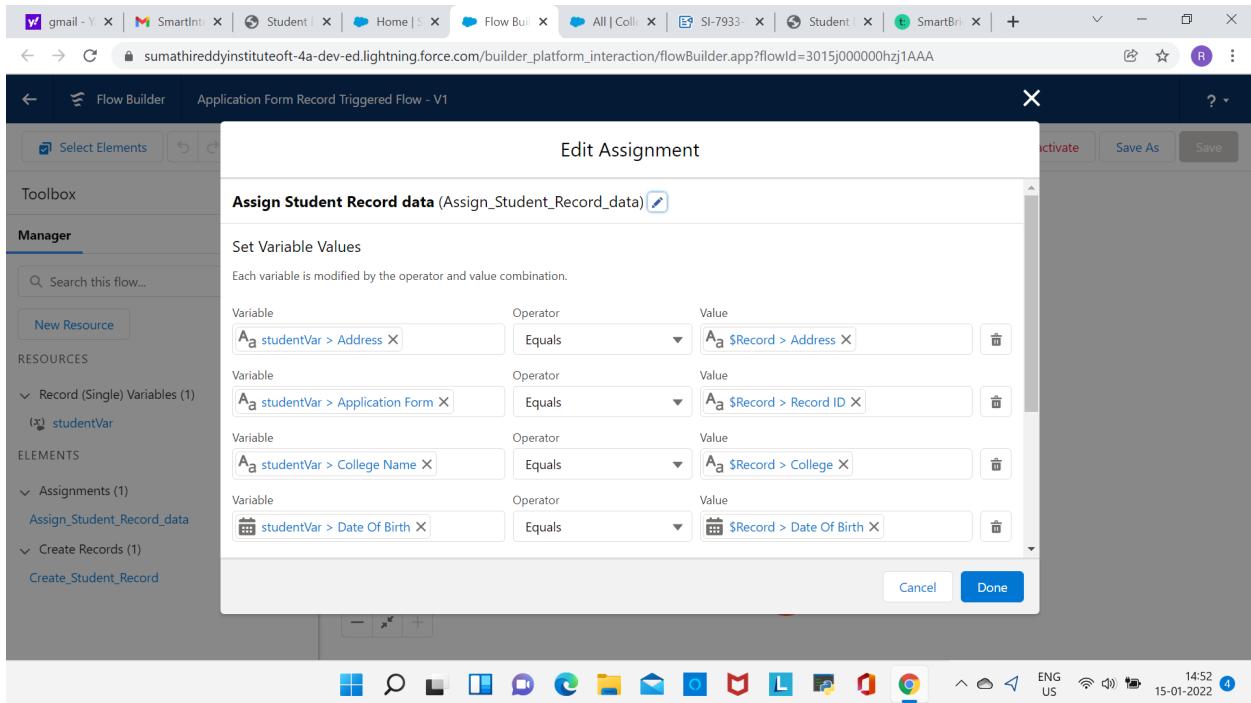
Detailed Description:

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. The main area displays the Apex code for ApplicationBatchTest.apxc, which contains a finish() method that sends an email to admins with a summary of application form records. Below the code editor is a log table with three entries. The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

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

b. Create A Schedular Class

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. The code editor 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 titled "Logs". It lists three entries from the user "Vanaparthy Ramya Sree" in a "Browser" session:

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 interface are standard Windows taskbar icons and system status indicators.

The screenshot shows the Salesforce Lightning Platform interface. The top navigation bar includes links for gmail, SmartList, Student, SI-7933, Home, Apex Classes, All | Collection, Student, SmartBri, and a search bar. The main content area is titled "Apex Classes" and displays the following information:

Apex Classes

Apex Code is an object oriented programming language that allows developers to develop on-demand business applications on the Lightning Platform.

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.

Estimate your organization's code coverage [i](#)
[Compile all classes](#) [i](#)

View: [All](#) [Create New View](#)

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 interface are standard Windows taskbar icons and system status indicators.

The screenshot shows the Salesforce Setup Apex Classes page. The left sidebar has a search bar with 'apex' typed in. Under 'Apex Classes', the 'applicationschedule' class is selected. The main area displays the Apex Class Detail for 'applicationschedule'. The class body contains the following code:

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

The status is Active, and the last modified date is 1/13/2022, 11:53 PM.

The screenshot shows a Gmail inbox. An email from 'Vanaparthy Ramya Sree' is selected. A yellow warning box appears over the message content with the following text:

Be careful with this message
This may be a spoofed message. The message claims to have been sent from your account, but Gmail couldn't verify the actual source. Avoid clicking links or replying with sensitive information, unless you are sure you actually sent this message. (No need to reset your password, the real sender does not actually have access to your account!)

The email content itself says: 'Application form and student record data as of today'.

At the bottom of the email view, it says: 'Total no of application form records are : 6 out of which no of students as per today : 6'

The bottom of the screen shows the Windows taskbar with various icons.

DAY 10 : 14-01-2022

TOPIC : Lightning Web Components

Milestone/Activities :

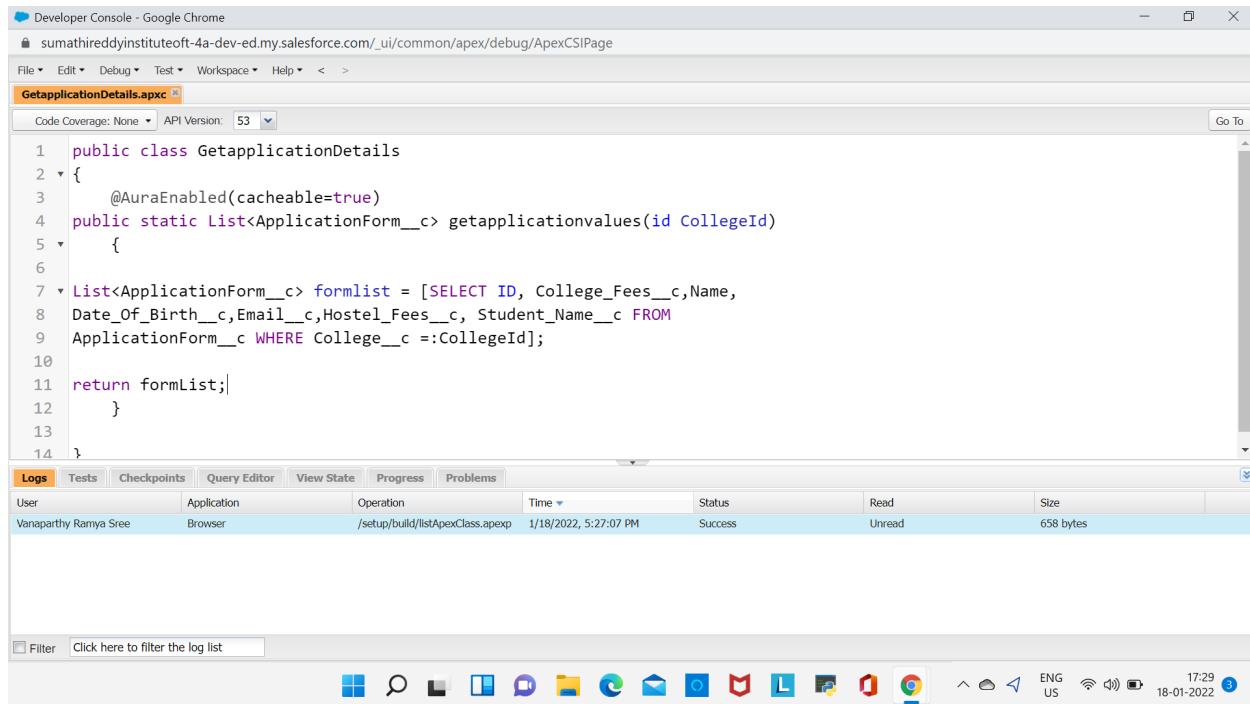
Create College DataTable Component(APEX CLASS)

Detailed Description:

setup>developer console>File>New>Apex class>enter code as per requirement.

Upload the Screenshot the Milestone :

Create College DataTable Component(APEX CLASS)



The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Google Chrome" and the URL is "sumathireddyinstituteoft-4a-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The menu bar includes File, Edit, Debug, Test, Workspace, Help, and Go To. The main area displays the Apex code for "GetapplicationDetails.apxc". The code defines a public class "GetapplicationDetails" with a static method "getapplicationvalues" that queries the "ApplicationForm__c" object. The code coverage is listed as "None" and the API version is "53". Below the code editor is a "Logs" tab showing a single log entry for a user named "Vanaparthy Ramya Sree" who used a "Browser" to access the page at "/setup/build/listApexClass.apexp" on "1/18/2022, 5:27:07 PM" with a "Success" status and "658 bytes" size. At the bottom, there is a toolbar with various icons and system status indicators like battery level, signal strength, and date/time.

```
1  public class GetapplicationDetails
2  {
3      @AuraEnabled(cacheable=true)
4      public static List<ApplicationForm__c> getapplicationvalues(id CollegeId)
5      {
6
7          List<ApplicationForm__c> formlist = [SELECT ID, College_Fees__c,Name,
8          Date_of_Birth__c,Email__c,Hostel_Fees__c, Student_Name__c FROM
9          ApplicationForm__c WHERE College__c =:CollegeId];
10
11         return formList;
12     }
13
14 }
```

User	Application	Operation	Time	Status	Read	Size
Vanaparthy Ramya Sree	Browser	/setup/build/listApexClass.apexp	1/18/2022, 5:27:07 PM	Success	Unread	658 bytes

The screenshot shows the Salesforce LWC Editor (Beta) interface. On the left, there's a sidebar with icons for file operations like New, Open, Save, and Delete. Below that is a tree view of components: APEX CLASSES (ApplicationBatchTest, applicationschedule, GetapplicationDetails), LIGHTNING WEB COMPONENTS (myFirstLWC, mySecondCom, mySecondLWC). Under mySecondCom, there are files: mySecondCom.html, mySecondCom.js, and mySecondCom.js-meta.xml. Under mySecondLWC, there are files: mySecondLWC.html, mySecondLWC.js, and mySecondLWC.js-meta.xml. The main workspace shows the Apex code for the GetapplicationDetails class:

```
1 public class GetapplicationDetails
2 {
3     @AuraEnabled(cacheable=true)
4     public static List<ApplicationForm__c> getapplicationvalues(id CollegeId)
5     {
6
7         List<ApplicationForm__c> formlist = [SELECT ID, College_Fees__c, Name,
8 Date_of_Birth__c, Email__c, Hostel_Fees__c, Student_Name__c FROM
9 ApplicationForm__c WHERE College__c =:CollegeId];
10
11     return formList;
12 }
13
14 }
```

The status bar at the bottom indicates "Sumathi Reddy Institute Of Technology For Women" and shows system information like "Use LWC Standard Deployment?", network connectivity, battery level, and the date and time "18-01-2022 19:56".

DAY 11 : 16-01-2022

TOPIC : Lightning Web Components

Milestone/Activities :

1. Create College DataTable Component (HTML FILE)
2. Create College DataTable Component(JAVA SCRIPT FILE)

Detailed Description:

Open salesforce LWC editor> New Component> Component Name > Is Exposed select> select Targets as Record page , App page , home page > Deploy.

- In Lightning Web Component > CollegeDataTable.html> enter code >deploy.
- In Lightning Web Component > CollegeDataTable.js> enter code >deploy.

Upload the Screenshot the Milestone :

Create College DataTable Component (HTML FILE)

The screenshot shows the Salesforce LWC Editor interface. On the left, the sidebar lists APEX CLASSES and LIGHTNING WEB COMPONENTS. Under LIGHTNING WEB COMPONENTS, there is a folder named 'collegeDataTable' containing 'collegeDataTable.html', 'collegeDataTable.js', 'collegeDataTable.css', and 'collegeDataTable.js-meta.xml'. The main editor area displays the 'collegeDataTable.html' code:

```
<template>
  <h1> College and Application form list table </h1>
  <template if:true={recordList}>
    <lightning-dataTable
      key-field="id"
      data={recordList}
      show-row-number-column
      hide-checkbox-column
      columns={columnsList}
    >
    </lightning-dataTable>
  </template>
</template>
```

The Result Panel at the bottom shows deployment logs:

```
1 collegeDataTable.html successfully deployed source
2 collegeDataTable.js successfully deployed source
```

The status bar at the bottom right indicates the date and time: 1/18/2022 9:16:51 PM.

Create College DataTable Component(JAVA SCRIPT FILE)

The screenshot shows the Salesforce LWC Editor interface. On the left, the sidebar lists APEX CLASSES and LIGHTNING WEB COMPONENTS. Under LIGHTNING WEB COMPONENTS, there is a folder named 'collegeDataTable' containing 'collegeDataTable.html', 'collegeDataTable.js', 'collegeDataTable.css', and 'collegeDataTable.js-meta.xml'. The main editor area displays the 'collegeDataTable.js' code:

```
import { LightningElement, api, wire } from 'lwc';
import getapplicationvalues
from '@salesforce/apex/GetapplicationDetails.getapplicationvalues';
export default class CollegeDataTable extends LightningElement {
  columnsList = [
    {label : 'Application Form' , fieldName : 'Name', type:'text'},
    {label : 'College Fees' , fieldName : 'College_Fees__c', type:'currency' },
    {label : 'Date Of Birth' , fieldName : 'Date_of_Birth__c', type:'date' },
    {label : 'Email' , fieldName : 'Email__c', type:'email' },
    {label : 'Hostel Fees' , fieldName : 'Hostel_Fees__c', type:'Currency' },
    {label : 'StudentName' , fieldName : 'Student_Name__c', type:'text' }
  ];
  @api recordId;
  recordlist;
  error;
}
```

The Result Panel at the bottom shows deployment logs:

```
1 collegeDataTable.html successfully deployed source
2 collegeDataTable.js successfully deployed source
```

The status bar at the bottom right indicates the date and time: 1/18/2022 9:16:51 PM.

DAY 12 : 17-01-2022

TOPIC : Lightning Web Components

Milestone/Activities :

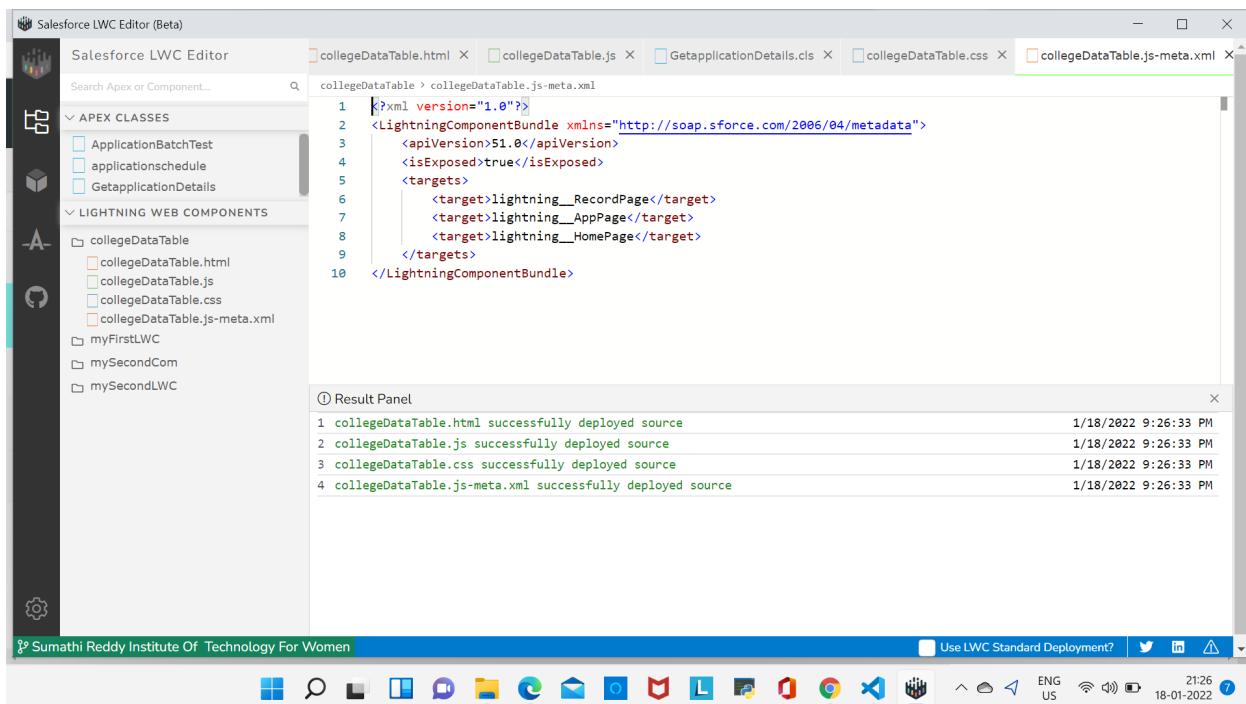
Create College DataTable Component(META FILE)

Detailed Description:

Open salesforce LWC editor>Lightning Wed Component > CollegeDataTable.js meta xml> enter code >deploy.

Upload the Screenshot the Milestone :

Create College DataTable Component(META FILE)



The screenshot shows the Salesforce LWC Editor (Beta) interface. The left sidebar lists components under 'APEX CLASSES' and 'LIGHTNING WEB COMPONENTS'. Under 'LIGHTNING WEB COMPONENTS', there is a folder 'collegeDataTable' containing 'collegeDataTable.html', 'collegeDataTable.js', 'collegeDataTable.css', and 'collegeDataTable.js-meta.xml'. The main editor area displays the 'collegeDataTable.js-meta.xml' file with the following XML code:

```
<?xml version="1.0"?>
<LightningComponentBundle xmlns="http://soap.sforce.com/2006/04/metadata">
  <apiVersion>51.0</apiVersion>
  <isExposed>true</isExposed>
  <targets>
    <target>lightning__RecordPage</target>
    <target>lightning__AppPage</target>
    <target>lightning__HomePage</target>
  </targets>
</LightningComponentBundle>
```

Below the editor is a 'Result Panel' showing deployment logs:

Log Message	Date
1 collegeDataTable.html successfully deployed source	1/18/2022 9:26:33 PM
2 collegeDataTable.js successfully deployed source	1/18/2022 9:26:33 PM
3 collegeDataTable.css successfully deployed source	1/18/2022 9:26:33 PM
4 collegeDataTable.js-meta.xml successfully deployed source	1/18/2022 9:26:33 PM

