

Day 1 :03/01/2022,Monday

Topic: Create your salesforce developer org to get started

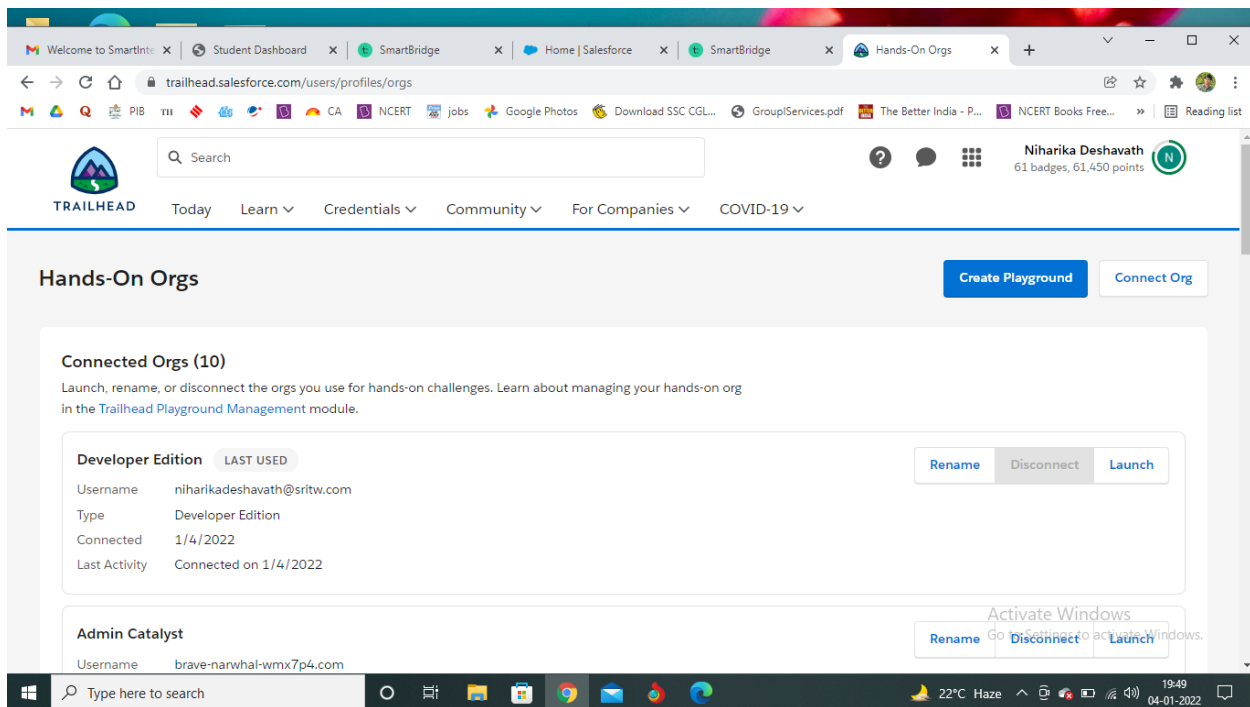
Milestone / Activities: Creating Developer Account

Account activation

Login to your salesforce Account

Detailed Description: First I sign up developers salesforce.com/ with all required information , after clicking the sign up button I will get an email for activating the developer account , then I verify the account , then after I login the salesforce account.

Upload the Screenshot the Milestone / Activities:



Day 2 :04/01/2022,Tuesday

Topic: Custom Object Creation

Milestone / Activities: Create the custom objects for the application

Create fields on college object

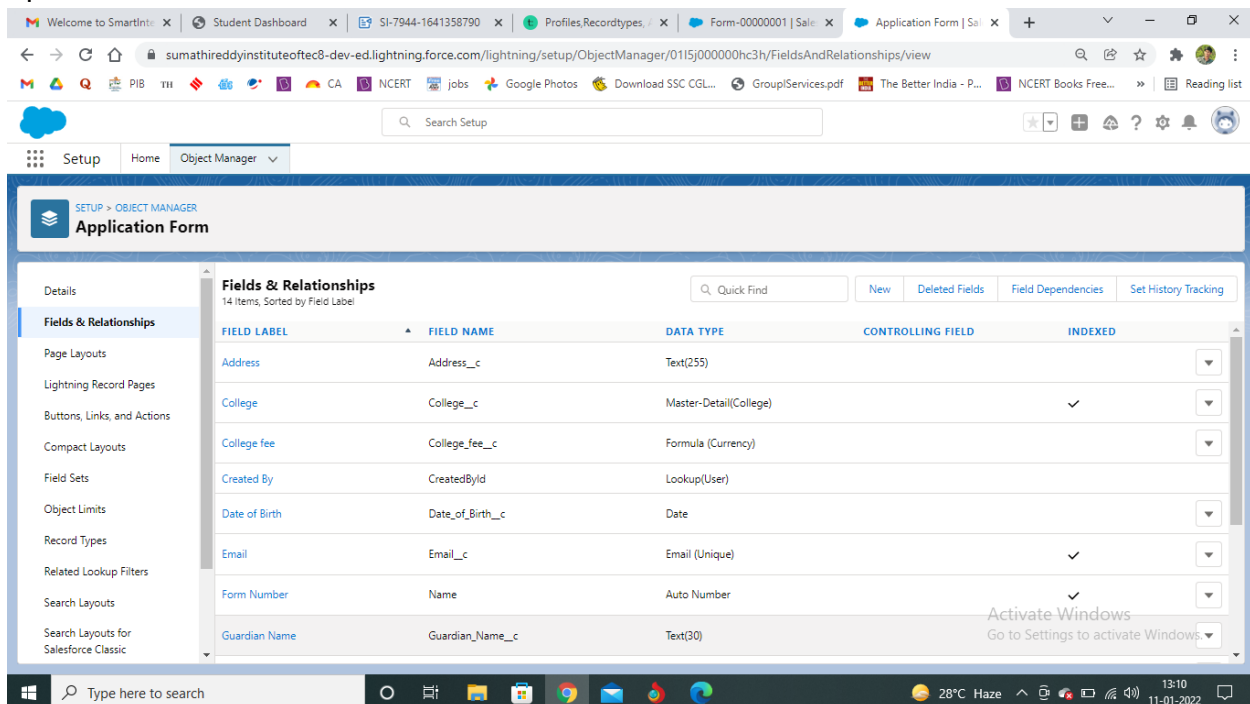
Create fields on application from object

Create fields on student object

Create fields on subject object

Detailed Description: first I have created the custom objects then after I created all the fields in College,Application form,Student and Subject objects according to the project details.

Upload the Screenshot the Milestone / Activities:



The screenshot displays the Salesforce Object Manager interface for the 'Application Form' object. The 'Fields & Relationships' section is active, showing a list of 14 fields. The table below summarizes the visible fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
College	College__c	Master-Detail(College)		✓
College fee	College_fee__c	Formula (Currency)		
Created By	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		
Email	Email__c	Email (Unique)		✓
Form Number	Name	Auto Number		✓
Guardian Name	Guardian_Name__c	Text(30)		

Application Form

Fields & Relationships

14 Items, Sorted by Field Label

Field Label	Field Name	Data Type	Controlling Field	Indexed
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		
Ready To Join	Ready_To_Join__c	Checkbox		
Student Name	Student_Name__c	Text(30)		

College

Fields & Relationships

9 Items, Sorted by Field Label

Field Label	Field Name	Data Type	Controlling Field	Indexed
College Email	College_Email__c	Picklist	College Name	
College fee	College_fee__c	Currency(7, 2)		
College Name	College_Name__c	Picklist		
Created By	CreatedById	Lookup(User)		
Hostel fee	Hostel_fee__c	Currency(6, 2)		
Last Modified By	LastModifiedById	Lookup(User)		
No of Seats	No_Of_Seats__c	Picklist	College Name	
Owner	OwnerId	Lookup(User,Group)		
Record info	Name	Text(80)		✓

Browser tabs: Welcome to SmartInternz! D..., Student Dashboard, Profiles, Recordtypes, Autom..., Form-00000001 | Salesforce, Subject | Salesforce

Address bar: sumathireddyinstituteoftec8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hcaI/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

**Subject**

Details

**Fields & Relationships**  
7 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
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(Student)		✓
Subject Name	Name	Auto Number		✓

Activate Windows  
Go to Settings to activate Windows.

Windows taskbar: Type here to search, 23°C Light rain, 11:13 11-01-2022

Browser tabs: Welcome to SmartInternz! D..., Student Dashboard, Profiles, Recordtypes, Autom..., Form-00000001 | Salesforce, Student | Salesforce

Address bar: sumathireddyinstituteoftec8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hcsn/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

**Student**

Details

**Fields & Relationships**  
9 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text Area(255)		
Application Form	Application_Form__c	Lookup(Application Form)		✓
College Name	College_Name__c	Formula (Text)		
Created By	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Student Name	Name	Text(80)		✓

Activate Windows  
Go to Settings to activate Windows.

Windows taskbar: Type here to search, 25°C Light rain, 18:07 10-01-2022

Welcome to SmartInte...Student DashboardSI-7944-1641358790Profiles, Recordtypes, /Form-00000001 | SaleStudent | Salesforce

sumathireddyinstituteoftec8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hc5n/FieldsAndRelationships/view

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Search Setup

SetupHomeObject Manager

SETUP > OBJECT MANAGERStudent

DetailsFields & Relationships10 Items, Sorted by Field Label

Quick FindNewDeleted FieldsField DependenciesSet History Tracking

Application Form	Application_Form__c	Lookup(Application Form)	✓	
College Name	College_Name__c	Formula (Text)		
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		
Student Name	Name	Text(80)		

Type here to search

28°C Haze13:1911-01-2022

Day 3 : 05/01/2022

Topic: Adding Business Logic to Application

Milestone / Activities: Creating Global Picklist value set

Creating Field Dependencies

Creating Validation Rule on College Object

Process Automation

Detailed Description: First I have created global picklist value sets Setup>Quick Find box>picklist value sets>new

then I have created field dependencies ,setup>object manager>college>fields and relationship>field dependencies>new

then I have created validation rule, setup>object manger >college>validation rule>new then after I have created builder named Application Form Process master

setup>quick find box>process builder>new,created as per information given in project details

Upload the Screenshot Milestone / Activities :

The screenshot shows the Salesforce Setup interface for 'Picklist Value Sets'. The left sidebar contains a navigation menu with categories like Data, Feature Settings, Topics, Objects and Fields, and Picklist Value Sets. The main content area displays the 'Picklist Value Sets' page, which includes a search bar, a 'Create New View' button, and a table of 'Global Value Sets'. The table has columns for 'Action', 'Label', and 'Description'. The table lists three items: 'College Name', 'Page 1', and 'Page 2'. Below the table, there is a link to 'Deleted Global Value Sets (0)'. The bottom of the screen shows the Windows taskbar with the date and time as 10:37 on 12-01-2022.

Action	Label	Description
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	
<a href="#">Edit</a>   <a href="#">Del</a>	Page 1	
<a href="#">Edit</a>   <a href="#">Del</a>	Page 2	

Browser tabs: Welcome to SmartInternz! | Student Dashboard | SmartBridge | Recently Viewed | Accounts | College | Salesforce

Address bar: sumathireddyinstituteoftec8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hX0P/ValidationRules/03d5j000000sv3NAAQ/view

Search Setup

Setup Home Object Manager

### College

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

## College Validation Rule

[Back to College](#)

Validation Rule Detail

Rule Name: College\_Name\_similar [Edit](#) [Clone](#)

Active: ☒

Error Condition Formula: TEXT(College\_Name\_\_c) <> Name

Error Message: Please use the college Name in Record info.

Error Location: Top of Page

Description:

Created By: [dehavath niharika](#) 1/9/2022, 11:19 PM

Modified By: [dehavath niharika](#) 1/9/2022, 11:19 PM

[Edit](#) [Clone](#)

Activate Windows  
Go to Settings to activate Windows.

Browser tabs: Welcome to SmartInternz! | Student Dashboard | SmartBridge | Recently Viewed | Accounts | College | Salesforce

Address bar: sumathireddyinstituteoftec8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hX0P/FieldsAndRelationships/viewDependencyList

Search Setup

Setup Home Object Manager

### College

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

## College Field Dependencies

[Back to Custom Object: College](#)

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

Field Dependencies [New](#)

Action	Controlling Field	Dependent Field	Modified By
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	No of Seats	<a href="#">dehavath niharika</a> 1/5/2022, 6:07 AM
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	College Email	<a href="#">dehavath niharika</a> 1/5/2022, 6:00 AM

Activate Windows  
Go to Settings to activate Windows.

Welcome to SmartInternz! D... xStudent Dashboard xProfiles, Recordtypes, Autom... xForm-00000002 | Salesforce xProcess Builder | Salesforce x

sumathireddyinstituteoftec8-dev-ed.lightning.force.com/lightning/setup/ProcessAutomation/home

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Search Setup

Setup Home Object Manager

Process Builder - Application Form Process Master

Expand All Collapse All

View All Processes Clone View Properties Deactivate Read Only

START

Application Form

Ready to join fields is checked

TRUE

IMMEDIATE ACTIONS

create a student rec...

STOP

FALSE

Add Criteria

TRUE

IMMEDIATE ACTIONS

STOP

FALSE

STOP

Create a Record

Action Name\*

create a student record

Record Type\*

Student

Set Field Values

Field*	Type*	Value*
Address	Field Reference	[Application_Form__c]Add... Q
Application Form	Field Reference	[Application_Form__c]Id Q
Date of Birth	Field Reference	[Application_Form__c]Dat... Q
Guardian Name	Field Reference	[Application_Form__c]Gua... Q
Phone	Field Reference	[Application_Form__c]Pho... Q
Student Name	Field Reference	[Application_Form__c]Stu... Q

Activate Windows  
Go to Settings to activate Windows.

Cancel

javascript:void(0);

Type here to search

26°C Light rain 12:27 12-01-2022



Day 4 :06/01/2022, Thursday

Topic: Process Builder

Milestone / Activities: Process Automation

Detailed Description:I have created builder named Application Form Process master setup>quick find box>process builder>new,created as per information given in project details

Upload the Screenshot the Milestone / Activities:

The screenshot displays the Salesforce Process Builder interface for a process named 'Application Form Process Master'. The process flow is as follows:

- START** (Start node)
- Application Form** (Object node)
- Ready for Join fields is checked** (Decision node)
  - TRUE**: Leads to **IMMEDIATE ACTIONS** containing **create a student reg.**, followed by a **STOP** node.
  - FALSE**: Leads to another decision node **+ Add Criteria**.
- + Add Criteria** (Decision node)
  - TRUE**: Leads to **IMMEDIATE ACTIONS** containing **+ Add Action**, followed by a **STOP** node.
  - FALSE**: Leads to a **STOP** node.

On the right side, the **Create a Record** configuration is shown:

- Action Name\***: create a student record
- Record Type\***: Student
- Set Field Values** table:

Field*	Type*	Value*
Address	Field Reference	[Application_Form__c]Add... Q
Application Form	Field Reference	[Application_Form__c]Id Q
Date of Birth	Field Reference	[Application_Form__c]Dat... Q
Guardian Name	Field Reference	[Application_Form__c]Gua... Q
Phone	Field Reference	[Application_Form__c]Pho... Q
Student Name	Field Reference	[Application_Form__c]Stu... Q

The bottom of the image shows the Windows taskbar with the search bar, task icons, and system tray information (26°C, Light rain, 12:27, 12-01-2022).

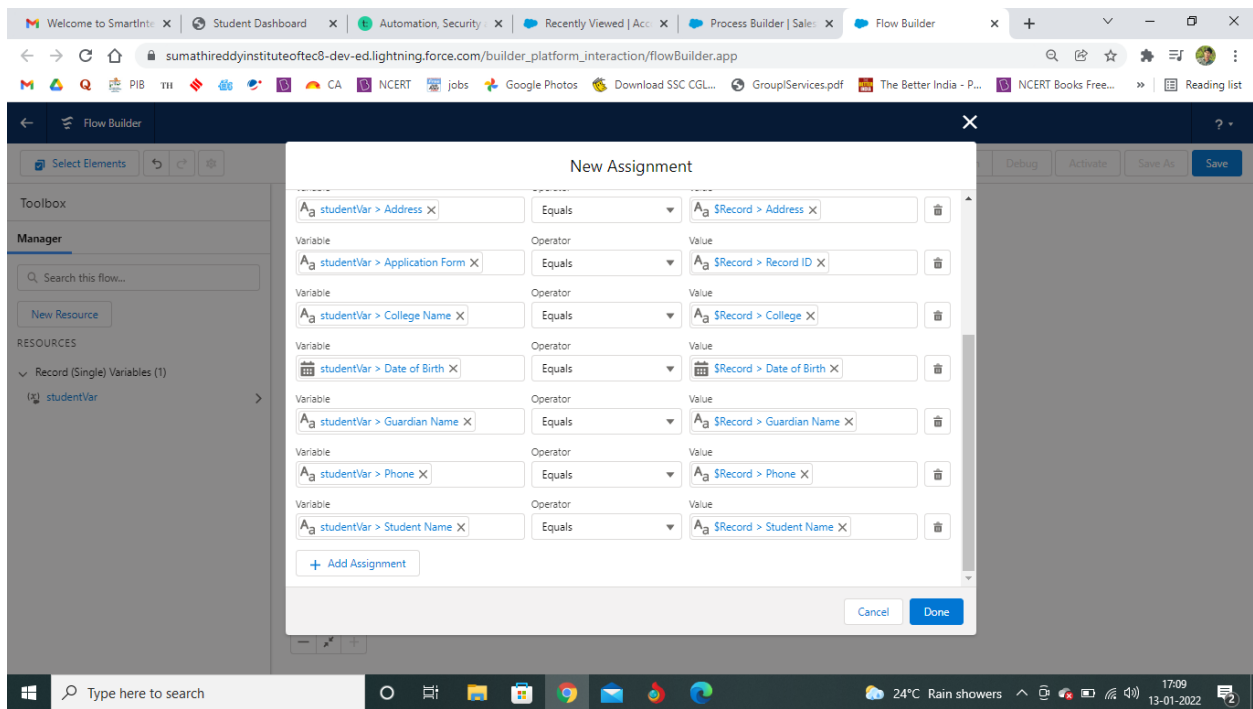
Day 5: 07/01/2022 , Friday

Topic: Flows

Milestone / Activities: Create the student record using flow

Detailed Description: I have created the application form record trigger flow , in that I have created a variable named student in the resource section and I add the some assignments and then created the student record.

Upload the Screenshot the Milestone / Activities:



Welcome to 5 xStudent Dash xSI-7944-1641 xAutomation xRecently View xProfiles | Sale xProcess Build xFlow Builder x

sumathireddyinstituteoftec8-dev-ed.lightning.force.com/builder\_platform\_interaction/flowBuilder.app?flowId=3015J000000YZ7GAAW

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Flow BuilderApplication form record Trigger Flow - V1

Auto-Layout (Beta)Version 1: Active—Last modified 12 minutes agoRunDebugDeactivateSave AsSave

Toolbox

Manager

Search this flow...

New Resource

RESOURCES

Record (Single) Variables (1)

studentVar

ELEMENTS

Assignments (1)

Assign\_student\_record\_data

Create Records (1)

create\_student\_record

Record-Triggered Flow

Start

Run Immediately

Assign student record data

Assignment

create student record

Create Records

End

Activate Windows

Go to Settings to activate Windows.

Type here to search

24°C Rain showers17:2913-01-2022

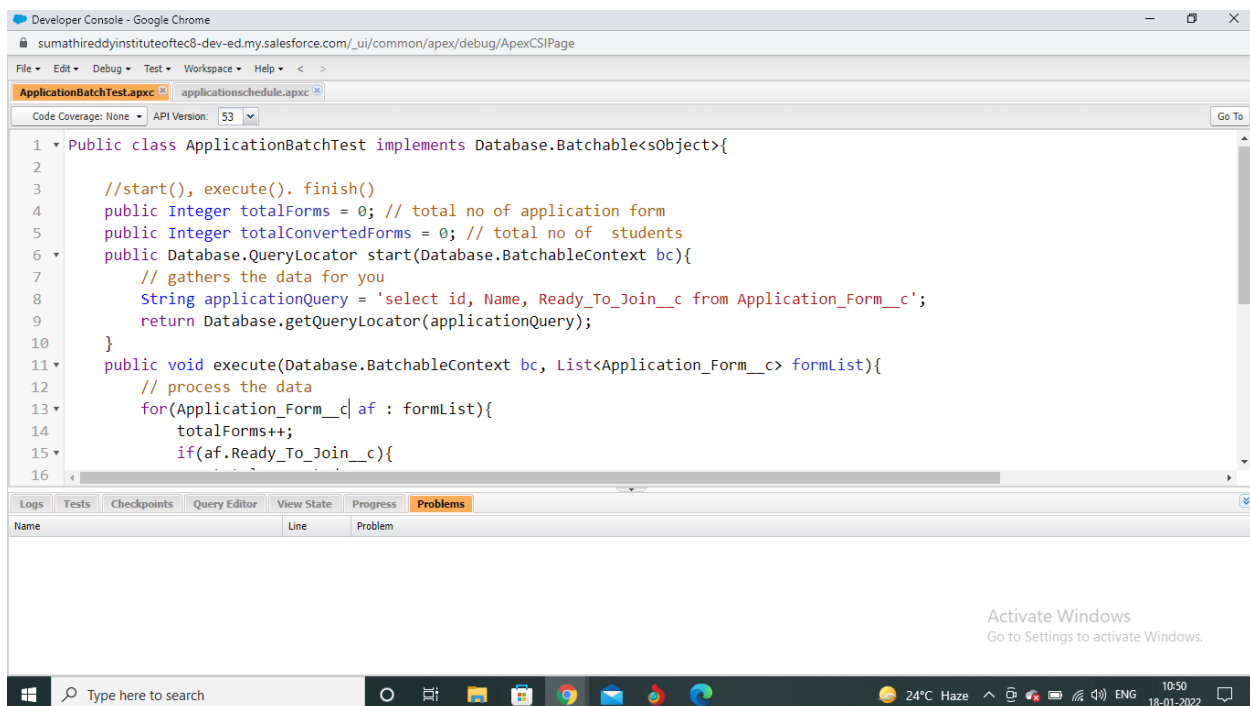
Day 6: 10/01/2022,Monday

Topic: Batch Apex

Milestone / Activities: Create a Batch apex for application form  
Create a Scheduler class

Detailed Description: First I have created the batch apex for application form in developer console then I have created another class named application schedule, then after I schedule the apex setup>apex classes>schedule apex, then I excuse the code after that I received an email.

Upload the Screenshot the Milestone / Activities:



The screenshot displays the Salesforce Developer Console interface. The main editor shows the Apex code for a class named `ApplicationBatchTest`, which implements the `Database.Batchable<SObject>` interface. The code includes a `start` method that returns a `Database.QueryLocator` for a query on the `Application_Form__c` object, and an `execute` method that iterates through a list of `Application_Form__c` records, incrementing a `totalForms` counter for each record where `Ready_To_Join__c` is true. The interface also shows a 'Problems' tab at the bottom, which is currently empty. The Windows taskbar at the bottom indicates the system time as 10:50 on 18-01-2022.

```
1 Public class ApplicationBatchTest implements Database.Batchable<SObject>{
2
3     //start(), execute(). finish()
4     public Integer totalForms = 0; // total no of application form
5     public Integer totalConvertedForms = 0; // total no of students
6     public Database.QueryLocator start(Database.BatchableContext bc){
7         // gathers the data for you
8         String applicationQuery = 'select id, Name, Ready_To_Join__c from Application_Form__c';
9         return Database.getQueryLocator(applicationQuery);
10    }
11    public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
12        // process the data
13        for(Application_Form__c af : formList){
14            totalForms++;
15            if(af.Ready_To_Join__c){
16
```

Developer Console - Google Chrome

sumathireddyinstituteoftec8-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help

ApplicationBatchTest.apxc applicationschedule.apxc

Code Coverage: None API Version: 53 Go To

```
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
15 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Name	Line	Problem
------	------	---------

Activate Windows  
Go to Settings to activate Windows.

Type here to search

24°C Haze 10:50 18-01-2022

Welcome to SmartIntern! Student Dashboard Fwd: - niharikadeshavath@g Hands-On Orgs Scheduled Jobs | Salesforce

sumathireddyinstituteoftec8-dev-ed.lightning.force.com/lightning/setup/ScheduledJobs/home

Search Setup

Setup Home Object Manager

- Products
  - Product Schedules Settings
- Salesforce Scheduler
  - Assignment Policies
  - Salesforce Scheduler Settings
  - Scheduling Policies
  - Skills
- Objects and Fields
  - Schema Builder
- Environments
  - Jobs
  - Scheduled Jobs

Didn't find what you're looking for? Try using Global Search.

## Scheduled Jobs

### All Scheduled Jobs

The All Scheduled Jobs page lists all of the jobs scheduled by your users. Multiple job types may display on this page. You can delete scheduled jobs if you have the permission to do so.

View: All Scheduled Jobs Create New View

Action	Job Name	Submitted By	Submitted	Started	Next Scheduled Run	Type
<a href="#">Manage   Del</a>	Application form job	<a href="#">niharika deshavath</a>	1/17/2022, 2:00 AM		1/17/2022, 11:00 PM	Scheduled Apex
<a href="#">Del</a>	Metalytics Data Loader Job for Org : 00D5J000005HaEJ	<a href="#">User Integration</a>	1/4/2022, 5:51 AM	1/17/2022, 7:27 AM	1/18/2022, 7:27 AM	Autonomous Data Loader Job

Activate Windows  
Go to Settings to activate Windows.

Type here to search

24°C Haze 10:50 18-01-2022

Day 10: 17/01/2022,Monday

Topic: Lightning Web Components

Milestone / Activities:Create College Datatable Component(APEX CLASS)

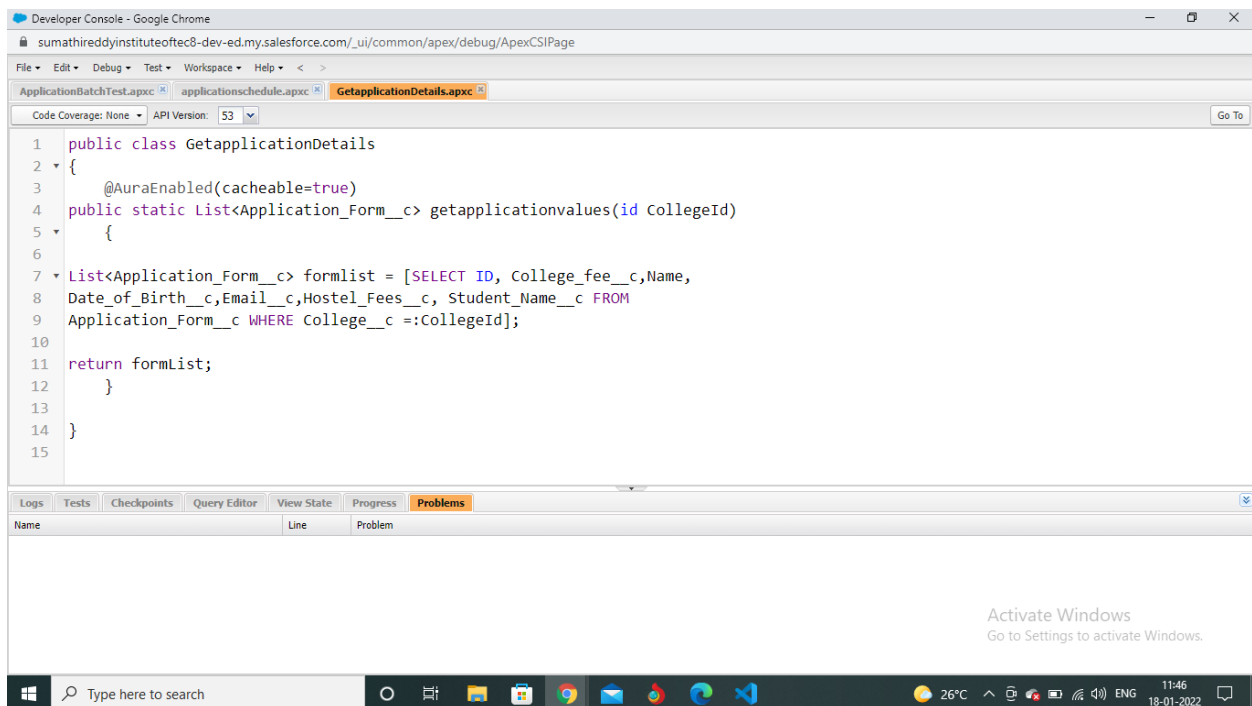
Create College Datatable Component(HTML FILE)

Create College Datatable Component(JAVA SCRIPT FILE)

Create College Datatable Component(META FILE)

Detailed Description: First I have created college datatable components with apexclass, then I have search VS code from google and download the app then I have installed it then I have created college Datatable component(Html file) and Java Script file, Meta file then I have save the code.

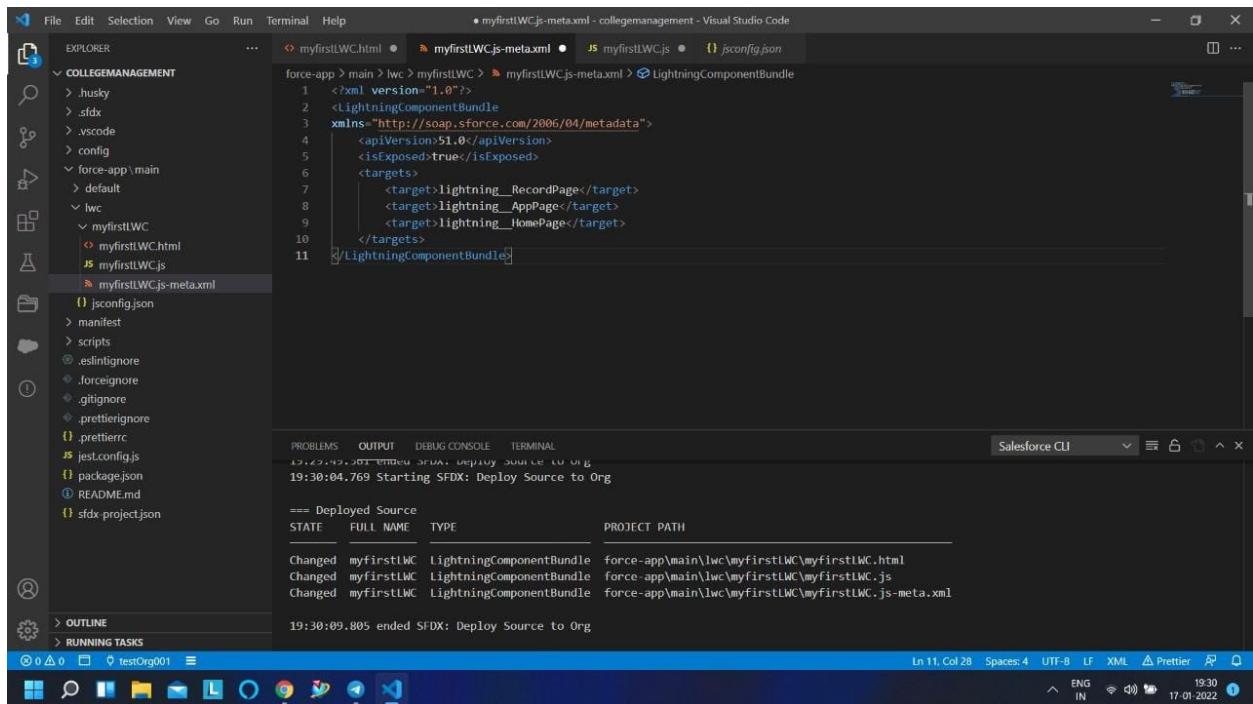
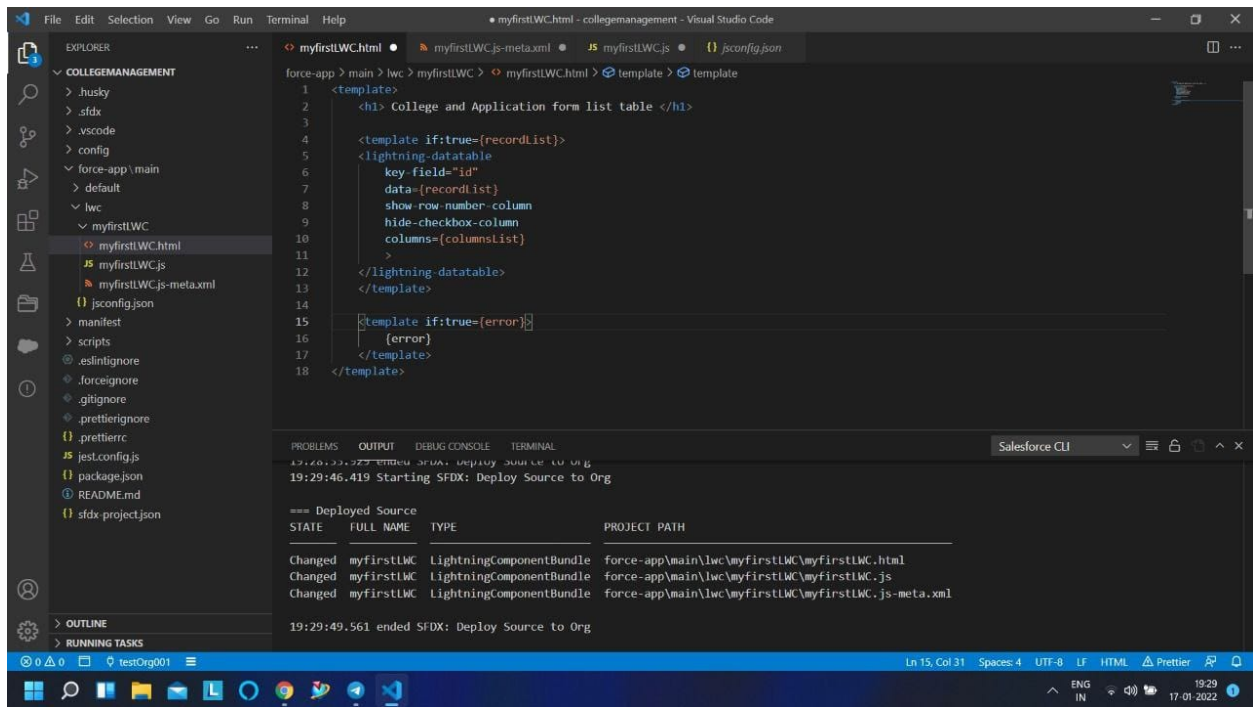
Upload the Screenshot the Milestone / Activities:



The screenshot shows a Google Chrome browser window with the Salesforce Developer Console open. The address bar shows the URL: `sumathireddyinstituteoftec8-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The console has several tabs open: `ApplicationBatchTest.apxc`, `applicationschedule.apxc`, and `GetapplicationDetails.apxc`. The `GetapplicationDetails.apxc` tab is active, displaying the following Apex code:

```
1 public class GetapplicationDetails
2 {
3     @AuraEnabled(cacheable=true)
4     public static List<Application_Form__c> getapplicationvalues(id CollegeId)
5     {
6
7         List<Application_Form__c> formlist = [SELECT ID, College_fee__c, Name,
8         Date_of_Birth__c, Email__c, Hostel_Fees__c, Student_Name__c FROM
9         Application_Form__c WHERE College__c =:CollegeId];
10
11         return formlist;
12     }
13 }
14
15
```

Below the code editor, there are tabs for `Logs`, `Tests`, `Checkpoints`, `Query Editor`, `View State`, `Progress`, and `Problems`. The `Problems` tab is currently selected, showing a table with columns `Name`, `Line`, and `Problem`. The table is currently empty. At the bottom of the browser window, there is a Windows taskbar with a search bar and various application icons. A watermark for "Activate Windows" is visible in the bottom right corner.



Visual Studio Code interface showing a project named "myfirstLWCjs - collegemanagement". The Explorer sidebar on the left displays the file structure, including folders like ".husky", ".sdx", ".vscode", "config", "force-app/main", "lwc", and "myfirstLWC". The "myfirstLWC" folder is expanded, showing files: "myfirstLWC.html", "myfirstLWC.js", "myfirstLWCjs-meta.xml", and "jsconfig.json".

The main editor displays the "myfirstLWC.js" file with the following code:

```
force-app > main > lwc > myfirstLWC > JS myfirstLWCjs > CollegeDataTable > wiredCollegeData
1 import { LightningElement, api, wire } from 'lwc';
2 import getApplicationValues
3 from '@salesforce/apex/GetApplicationDetails.getApplicationValues';
4 export default class CollegeDataTable extends LightningElement {
5   columnsList = [
6     {label: 'Application Form', fieldName: 'Name', type: 'text' },
7     {label: 'College Fees', fieldName: 'College_Fees__c', type: 'currency' },
8     {label: 'Date Of Birth', fieldName: 'Date_Of_Birth__c', type: 'date' },
9     {label: 'Email', fieldName: 'Email__c', type: 'email' },
10    {label: 'Hostel Fees', fieldName: 'Hostel_Fees__c', type: 'Currency' },
11    {label: 'StudentName', fieldName: 'Student_Name__c', type: 'text' }
12  ];
13
14  @api recordId;
15  recordList;
16  error;
17
18  @wire(getApplicationValues, {CollegeId: '$recordId'})
19  wiredCollegeData({data, error}){
20    if(data){
21      this.recordList = data;
22    }
23  }
```

The bottom panel shows the "PROBLEMS" tab with the following output:

```
19:28:50.84 Starting SFDX: Deploy Source to Org
=== Deployed Source
STATE FULL NAME TYPE PROJECT PATH
Changed myfirstLWC LightningComponentBundle force-app\main\lwc\myfirstLWC\myfirstLWC.html
Changed myfirstLWC LightningComponentBundle force-app\main\lwc\myfirstLWC\myfirstLWC.js
Changed myfirstLWC LightningComponentBundle force-app\main\lwc\myfirstLWC\myfirstLWC.js-meta.xml
19:28:55.929 ended SFDX: Deploy Source to Org
```

The status bar at the bottom indicates the file is at "Ln 25, Col 39" with "Spaces: 4" and "UTF-8" encoding. The language is set to "JavaScript" and the formatter is "Prettier". The system clock shows "19:29" on "17-01-2022".