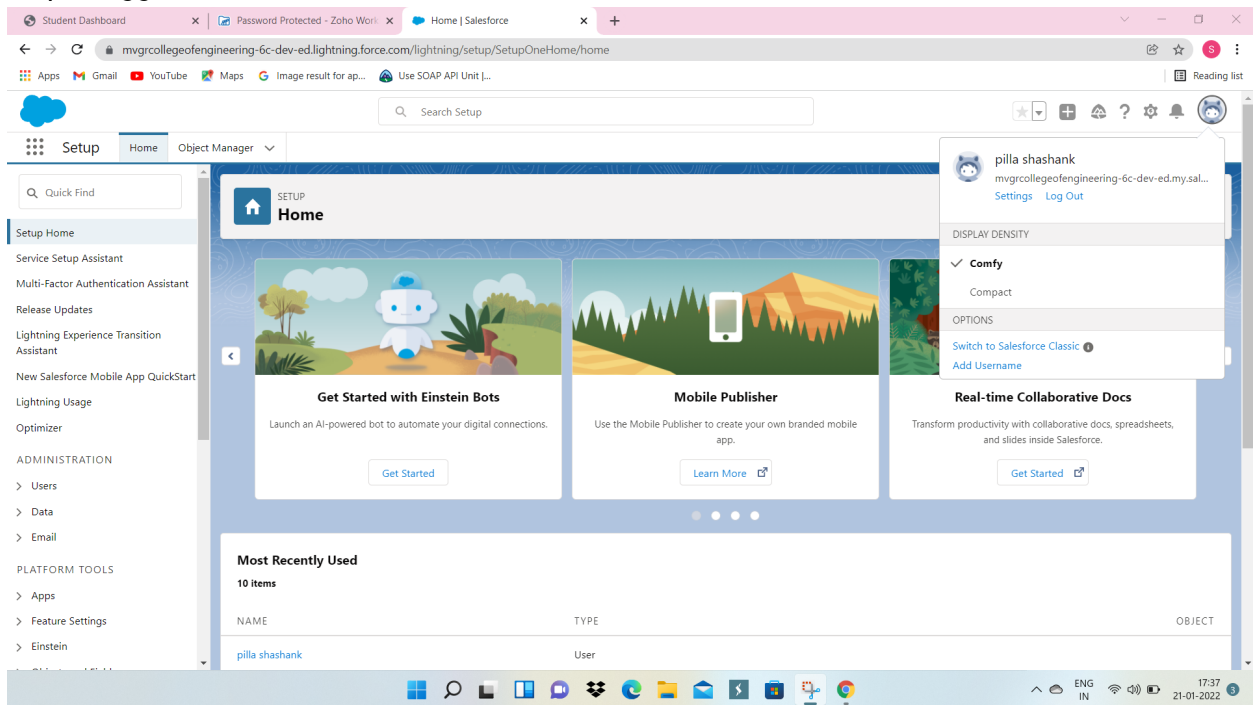
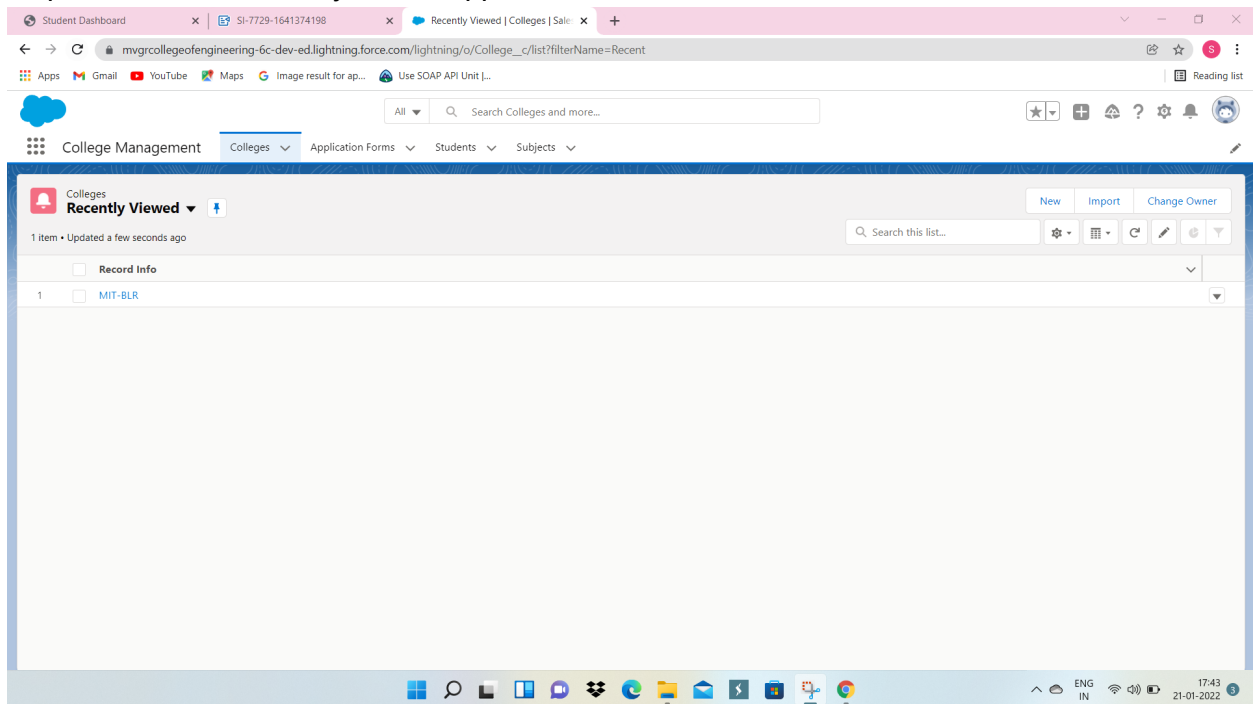


step1:Logged into salesforce and created an ORG to work



step2:Created custom objects for application



step3:Created fields on college object

Student Dashboard x SI-7729-1641374198 x Recently Viewed | Colleges | Sale x College | Salesforce x +

mvrgrcollegeengineering-6c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000000oEBQ/FieldsAndRelationships/view

Apps Gmail YouTube Maps Image result for ap... Use SOAP API Unit [...]

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
College

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
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)		✓

Windows Taskbar: 17:46 21-01-2022

step4:created fields on application form object

Student Dashboard x SI-7729-1641374198 x Recently Viewed | Colleges | Sale x Application Form | Salesforce x +

mvrgrcollegeengineering-6c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000000oEBa/FieldsAndRelationships/view

Apps Gmail YouTube Maps Image result for ap... Use SOAP API Unit [...]

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Application Form

Details

Fields & Relationships
14 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(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)		
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)		

Windows Taskbar: 17:49 21-01-2022

step5:create fields on student object

Student Dashboard x SI-7729-1641374198 x Recently Viewed | Colleges | Sale x Student | Salesforce x +

mvrgrcollegeofengineering-6c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000000oEOo/FieldsAndRelationships/view

Apps Gmail YouTube Maps Image result for ap... Use SOAP API Unit [...]

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Student

Details

Fields & Relationships
10 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	CreatedBy	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		
Guardian Name	Guardian_Name__c	Text(30)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Student Name	Name	Text(80)		✓

Windows taskbar: 17:56 21-01-2022

step6:create fields on subject

Student Dashboard x SI-7729-1641374198 x Recently Viewed | Colleges | Sale x Subject | Salesforce x +

mvrgrcollegeofengineering-6c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000000oEOt/FieldsAndRelationships/view

Apps Gmail YouTube Maps Image result for ap... Use SOAP API Unit [...]

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Subject

Details

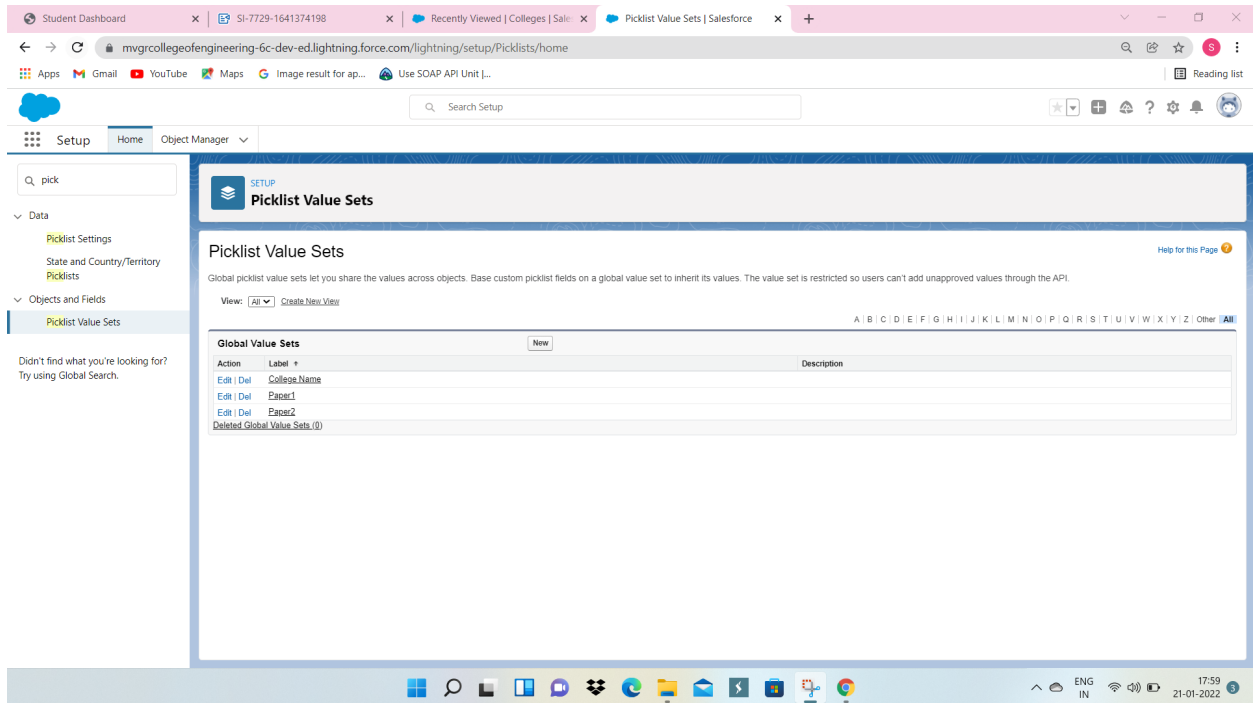
Fields & Relationships
8 Items. Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Paper1	Paper1__c	Picklist		
Paper2	Paper2__c	Picklist		
Student	Student__c	Lookup(Student)		✓
Subject ID	Subject_Id__c	Auto Number		
Subject Name	Name	Text(80)		✓

Windows taskbar: 17:57 21-01-2022

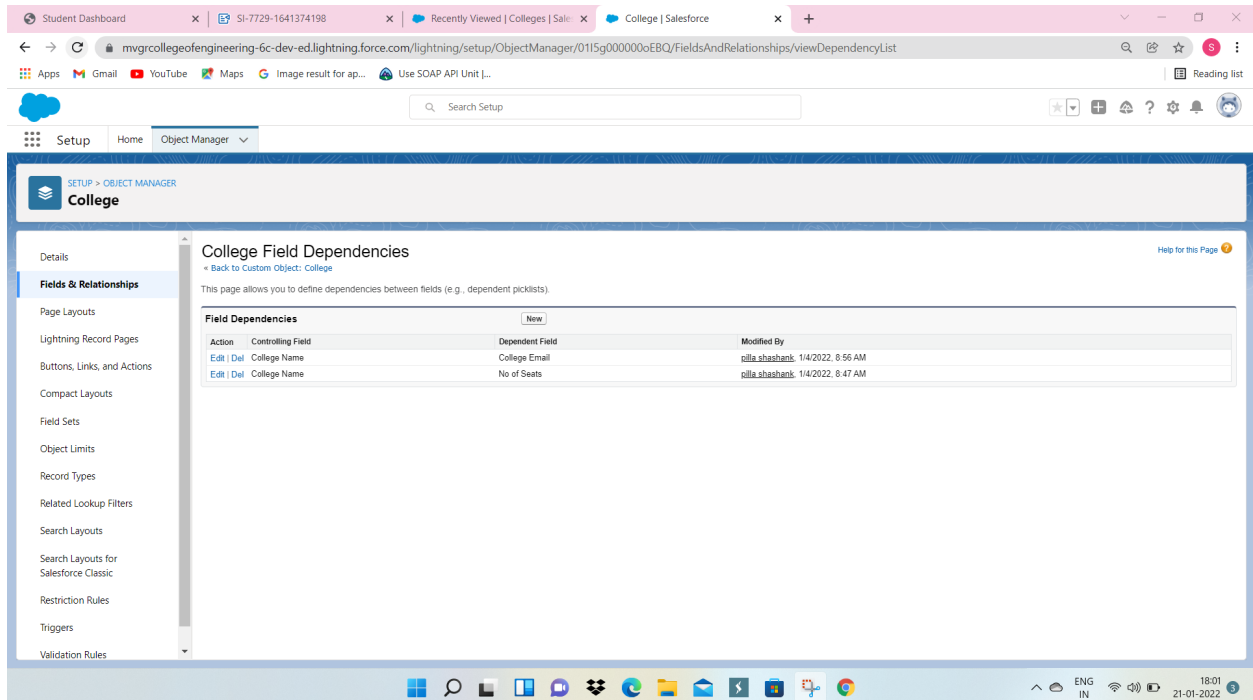
step7: create global picklist sets



The screenshot shows the Salesforce Setup interface for 'Picklist Value Sets'. The left sidebar contains a search bar with 'pick' and a navigation menu with 'Data', 'Objects and Fields', and 'Picklist Value Sets'. The main content area is titled 'Picklist Value Sets' and includes a description: 'Global picklist value sets let you share the values across objects. Base custom picklist fields on a global value set to inherit its values. The value set is restricted so users can't add unapproved values through the API.' Below this is a table of 'Global Value Sets' with columns for 'Action', 'Label', and 'Description'. The table lists 'College Name', 'Paper1', and 'Paper2'.

Action	Label	Description
Edit Del	College Name	
Edit Del	Paper1	
Edit Del	Paper2	
Deleted Global Value Sets (0)		

step8:create field dependencies



The screenshot shows the Salesforce Setup interface for 'College Field Dependencies'. The left sidebar contains a search bar with 'Search Setup' and a navigation menu with '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', 'Restriction Rules', 'Triggers', and 'Validation Rules'. The main content area is titled 'College Field Dependencies' and includes a description: 'This page allows you to define dependencies between fields (e.g., dependent picklists)'. Below this is a table of 'Field Dependencies' with columns for 'Action', 'Controlling Field', 'Dependent Field', and 'Modified By'. The table lists 'College Name' as the controlling field for 'College Email' and 'No of Seats'.

Action	Controlling Field	Dependent Field	Modified By
Edit Del	College Name	College Email	villu shashank 1/4/2022 8:56 AM
Edit Del	College Name	No of Seats	villu shashank 1/4/2022 8:47 AM

step9:create validation rules

rule1:

Student Dashboard x SI-7729-1641374198 x Recently Viewed | Colleges | Sale x College | Salesforce x +

mvgrcollegeofengineering-6c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000000oEBQ/ValidationRules/view

Apps Gmail YouTube Maps Image result for ap... Use SOAP API Unit [...]

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

Restriction Rules

Triggers

Validation Rules

Validation Rules

1 Items. Sorted by Rule Name

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
College_Name_similar	Top of Page	please enter a right college name as per records	✓	pilla shashank, 1/4/2022, 9:03 AM

Windows taskbar: 18:05 21-01-2022

rule2:

Student Dashboard x SI-7729-1641374198 x Recently Viewed | Colleges | Sale x Application Form | Salesforce x +

mvgrcollegeofengineering-6c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000000oEBa/ValidationRules/view

Apps Gmail YouTube Maps Image result for ap... Use SOAP API Unit [...]

Search Setup

Setup Home Object Manager

Application Form

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

Restriction Rules

Triggers

Validation Rules

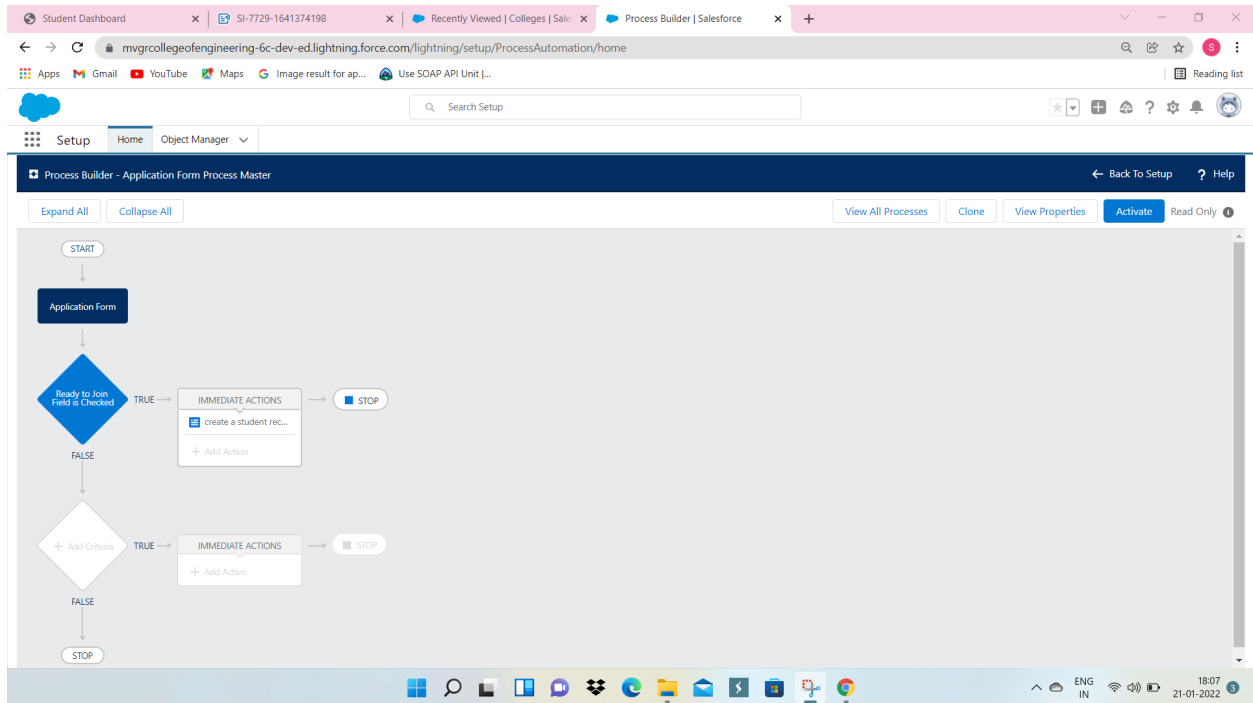
Validation Rules

1 Items. Sorted by Rule Name

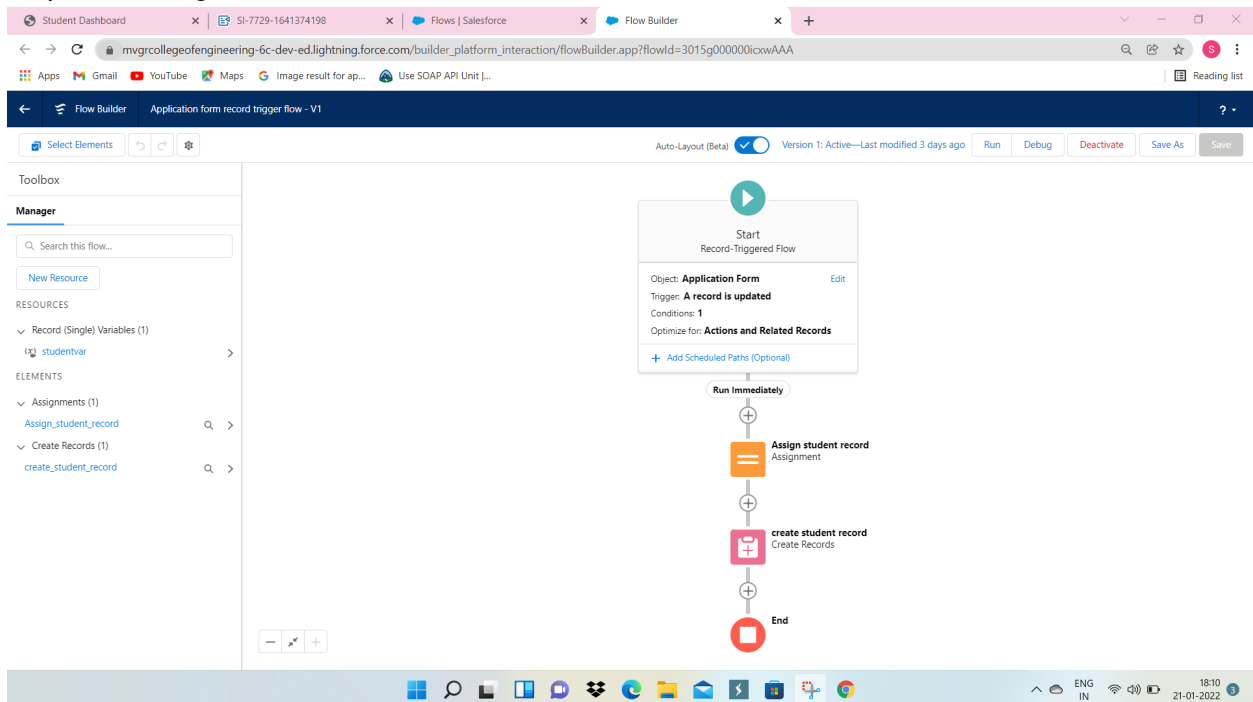
RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
No_Modification	Top of Page	Modification is not allowed	✓	pilla shashank, 1/17/2022, 5:07 AM

Windows taskbar: 18:06 21-01-2022

step10:process builder



step11:creating a flow



step12:create a batch apex from application form

The screenshot shows the Salesforce Developer Console with the 'ApplicationBatchTest.apxc' file open. The code defines a class that implements Database.Batchable<Object>. It includes a start method to get a query locator and an execute method to process a list of Application_Form__c records, counting total forms and converted forms based on the Ready_To_Join__c field.

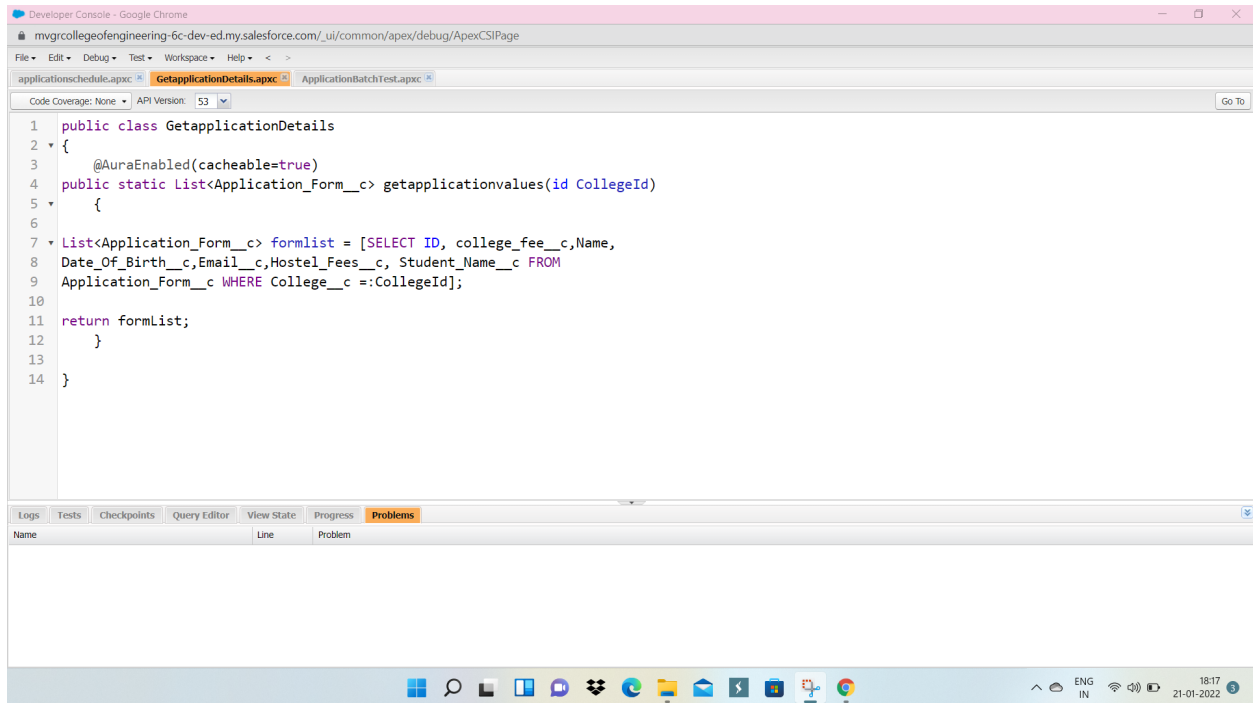
```
1 public class ApplicationBatchTest implements Database.Batchable<Object>{
2
3     //start(), execute(). finish()
4     public Integer totalForms = 0; // total no of application form
5     public Integer totalConvertedForms = 0; // total no of students
6     public Database.QueryLocator start(Database.BatchableContext 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                totalConvertedForms++;
17            }
18        }
19    }
20 }
```

step13:create a scheduled apex class

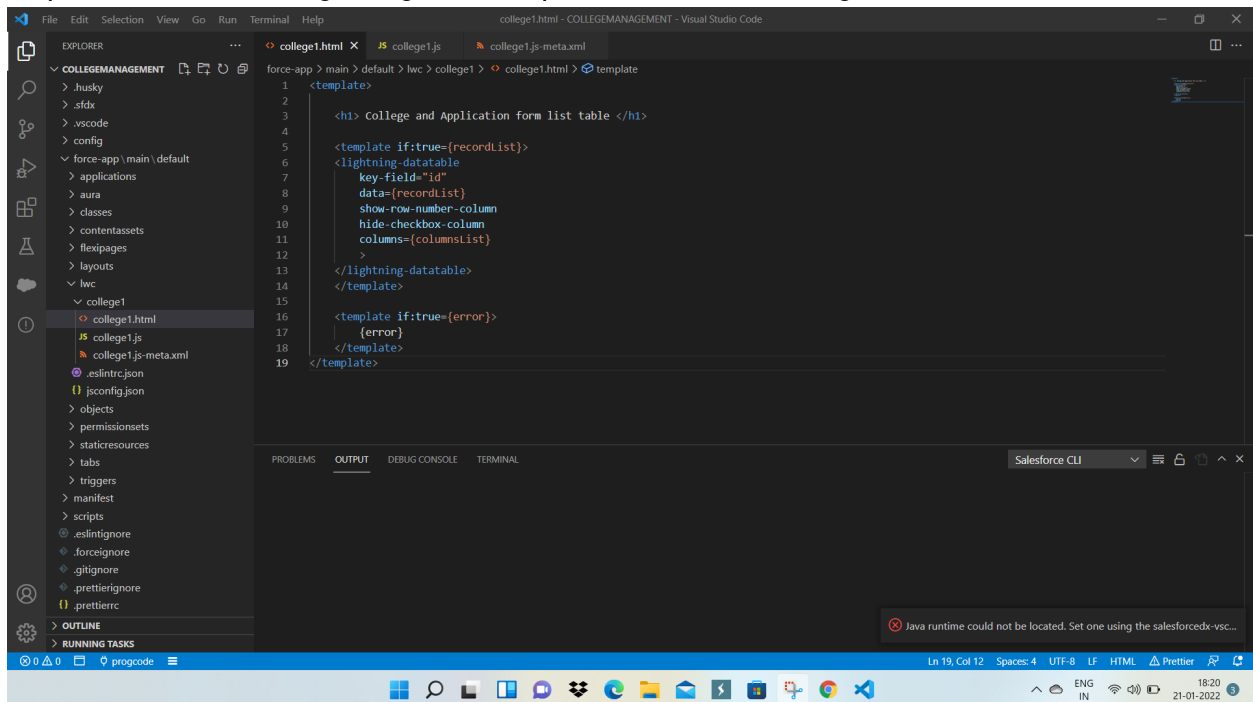
The screenshot shows the Salesforce Developer Console with the 'applicationschedule.apxc' file open. The code defines a class that implements Schedulable. It includes an execute method that creates an instance of ApplicationBatchTest and executes a batch of 400 records.

```
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 }
```

step14:create an apex class named get application details(college data table)



step15:Html file of the lightning web component named as college1



step16:JS file of the lightning web component named as college1


```
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    else if(error){
24      this.error = error;
25      this.recordList = undefined;
26    }
27  }
28
29
30
```

step17:meta file of the lightning web component: named as college1

```
1 <?xml version="1.0"?>
2 <LightningComponentBundle
3   xmlns="http://soap.sforce.com/2006/04/metadata">
4   <apiVersion>51.0</apiVersion>
5   <isExposed>true</isExposed>
6   <targets>
7     <target>lightning_RecordPage</target>
8     <target>lightning_AppPage</target>
9     <target>lightning_HomePage</target>
10  </targets>
11 </LightningComponentBundle>
```