

Project Title : College Management Application

Day 1 :

Topic : Create Your Salesforce Developer Org To Get Started

Activities/Milestones:

- 1.Creating Developer Account
- 2.Account Activation
- 3.Login To Your Salesforce Account

Description:

Creating a developer org in salesforce.

Go to [developers.salesforce.com/](https://developer.salesforce.com/)

Click on sign up.

On the sign up form, enter the following details :

First name & Last name

Email

Role : Developer

Company : College Name

Country : India

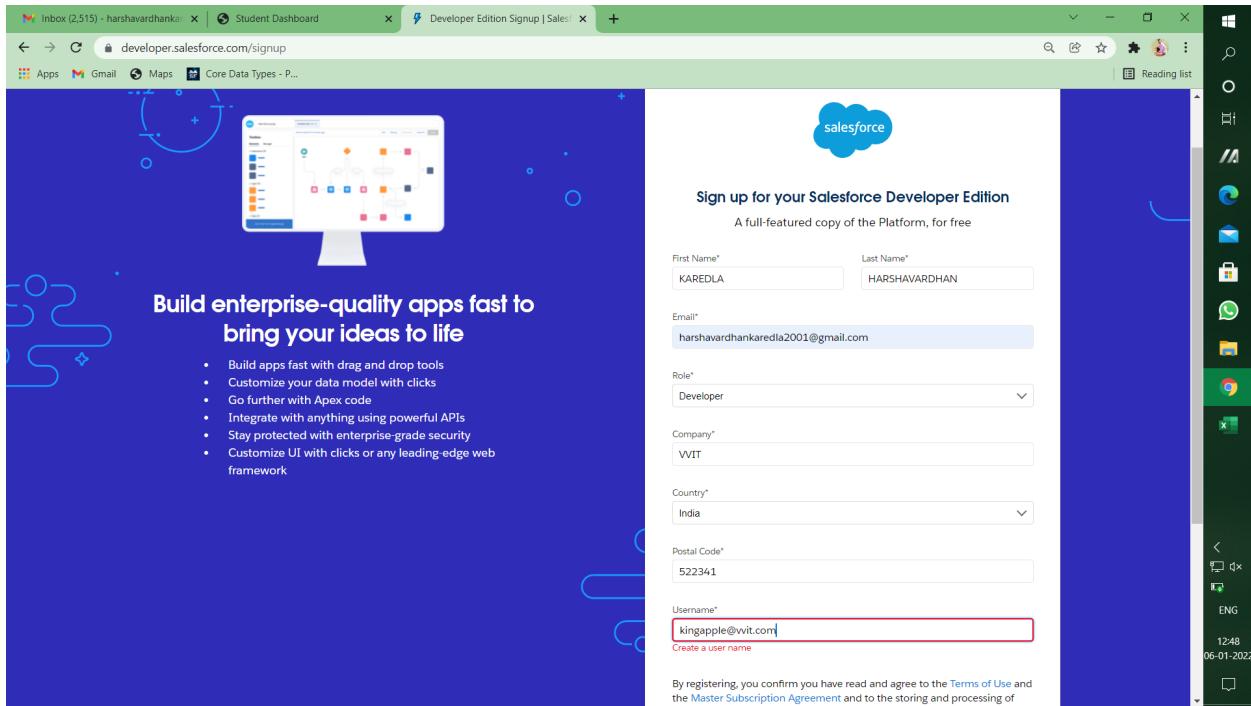
Postal Code : pin code

Username : should be a combination of your name and company

This need not be an actual email id, you can give anything in the format :

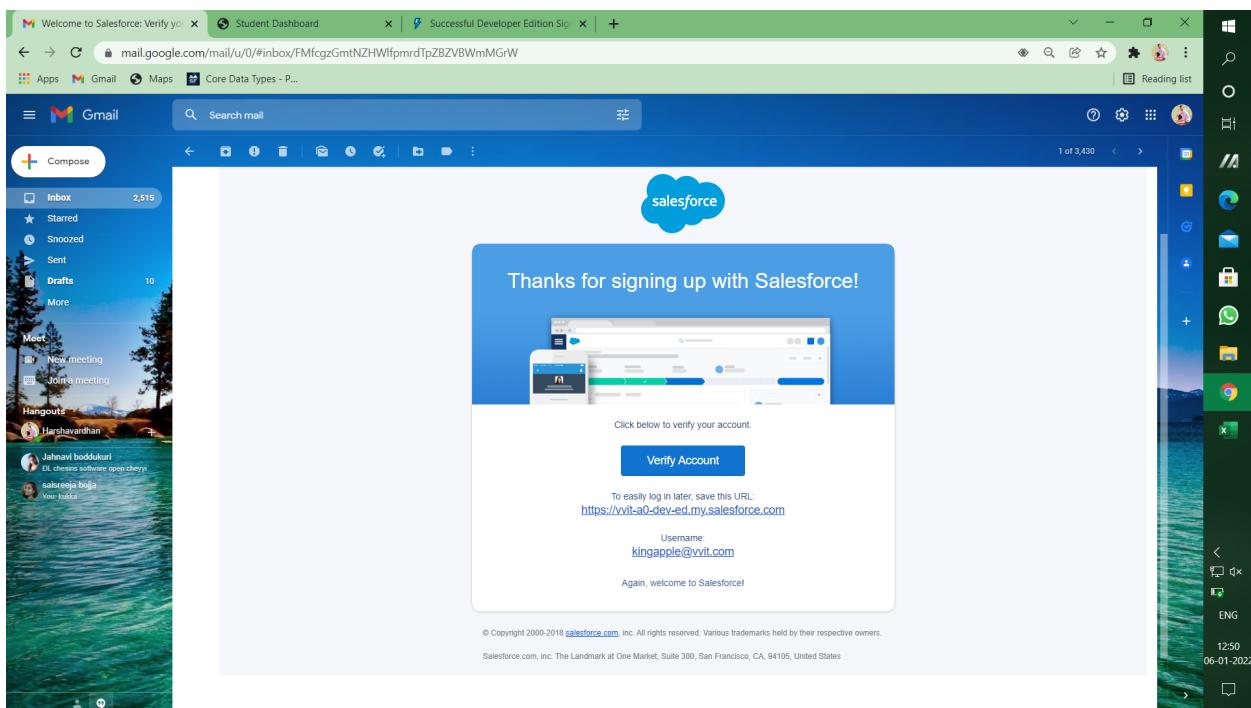
username@organization.com

Creating Developer Account



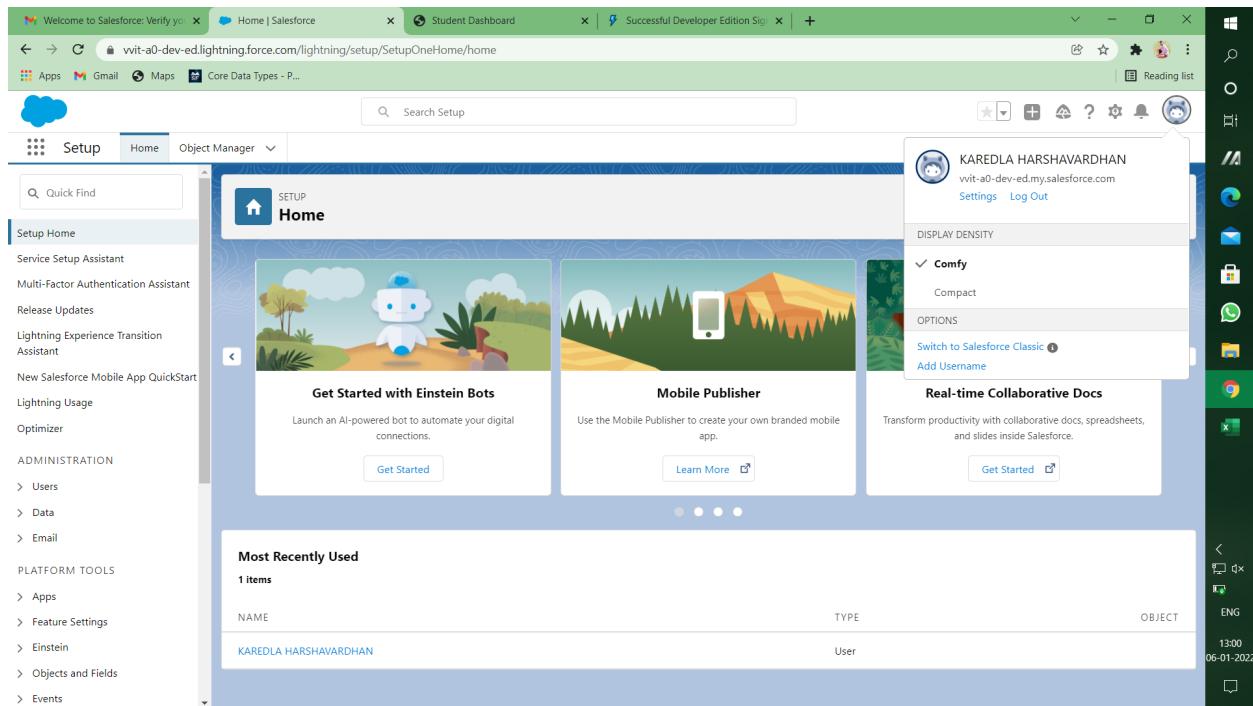
Account Activation

Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins, as allocating a developer org will take time.



Login To Your Salesforce Account

- 1.Go to salesforce.com and click on login.
- 2.Enter the username and password that you just created.
- 3.After login this is the home page which you will see.



Day 2

Topic : Custom Object Creation

Milestone / Activities:

- a) Create The Custom Objects For The Application
- b) Create Fields On College Object
- c) Create Fields On Application Form Object
- d) Create Fields On Student Object
- e) Create Fields On Subject Object

Detailed Description:

a) Create The Custom Objects For The Application

Created the following Custom Objects For the Application.

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

b) Create Fields On College Object

Created the following fields on the college object.

Field Name	Data Type	Required	Values
Record Info	Text		
College Fees	Currency(7,2)	Yes	
Hostel Fees	Currency(6,2)	Yes	
College Name	Picklist(Refer Business Logic In Milestones)	Yes	
Email	Picklist		mit@maa.com mit@ccu.com mit@mum.com mit@del.com mit@blr.com mit@hyd.com
Capacity Of Students	Picklist		500-1500,1500-3000,3000-5000,5000-8000,8000-12000

C)Create Fields On Application Form Object

Create the following fields on the application form object.

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

d)Create Fields On Student Object

Create the following fields on the student object.

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

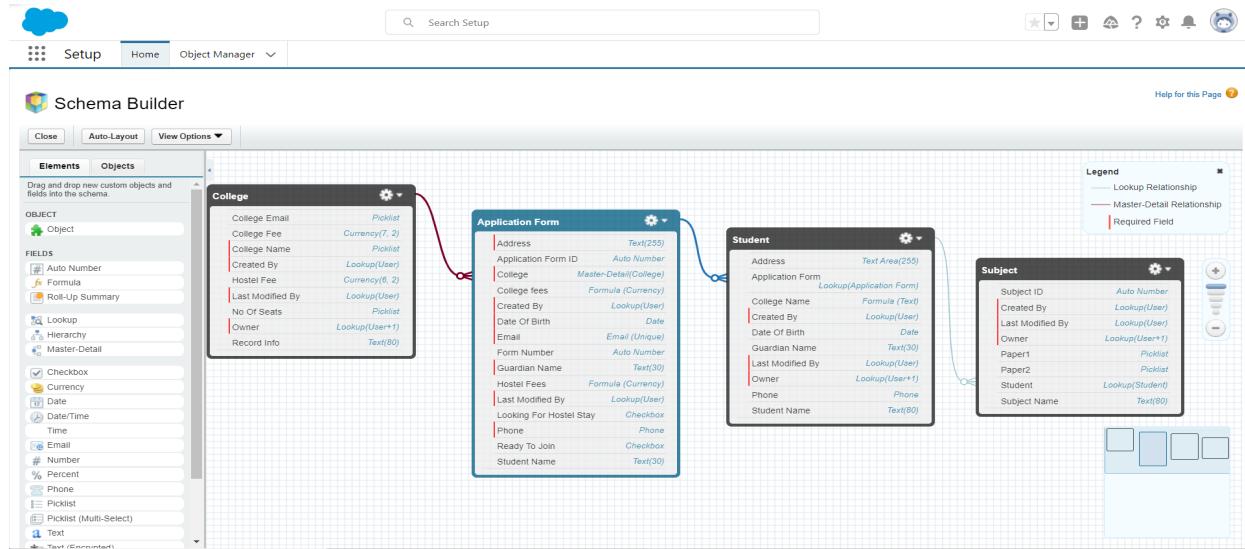
e) Create Fields On Subject Object

Created the following fields On the Subject object.

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

Upload the Screenshot the Milestone / Activities :

- Create The Custom Objects For The Application



► Create Fields On College Object

The screenshot shows the Salesforce Setup interface for the 'College' 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 9 items sorted by Field Label. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

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	CreatedBy	Lookup(User)		
Hostel Fee	Hostel_Fee__c	Currency(6, 2)		
Last Modified By	LastModifiedBy	Lookup(User)		
No Of Seats	No_of_Seats__c	Picklist	College Name	
Owner	OwnerId	Lookup(User,Group)		✓
Record Info	Name	Text(80)		✓

► Create Fields On Application Form Object

The screenshot shows the Salesforce Setup interface for the 'Application Form' object. The left sidebar lists various setup options. The main area displays the 'Fields & Relationships' section, which contains 15 items sorted by Field Label. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

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	CreatedBy	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)		

► Create Fields On Student Object

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. The 'Student' object is currently being edited. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area displays the 'Fields & Relationships' table for the Student object.

Fields & Relationships
10 Items, Sorted by Field Label

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)		✓

► Create Fields On Subject Object

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. The 'Subject' object is currently being edited. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area displays the 'Fields & Relationships' table for the Subject object.

Fields & Relationships
8 Items, Sorted by Field Label

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)		✓

DAY 3 :

Topic : Create global picklist value sets for the application.

Description:

Create the following global picklist value sets for the application.

a) College

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

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

- Page Header:** Welcome to Smartinternz Delight, Student Dashboard, SI-7786-1641377678, Picklist Value Sets | Salesforce.
- Search Bar:** Search Setup.
- Left Navigation:** Apps, Gmail, Maps, Core Data Types - P...; Object Manager.
- Current Page:** SETUP / Picklist Value Sets.
- Global Value Set Detail:**
 - Label:** College
 - Name:** College
 - Description:** None
- Picklist Values Used:** Active and inactive picklist values: 6 (1,000 max).
- Values Table:**

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	MIT-HYD	MIT-HYD	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN, 1/6/2022, 8:42 PM
Edit Del Deactivate	MIT-BLR	MIT-BLR	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN, 1/6/2022, 8:42 PM
Edit Del Deactivate	MIT-MUM	MIT-MUM	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN, 1/6/2022, 8:42 PM
Edit Del Deactivate	MIT-MAA	MIT-MAA	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN, 1/6/2022, 8:42 PM
Edit Del Deactivate	MIT-DEL	MIT-DEL	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN, 1/6/2022, 8:42 PM
Edit Del Deactivate	MIT-CCU	MIT-CCU	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN, 1/6/2022, 8:42 PM
- Inactive Values:** No Inactive Values values defined.

b) Paper1

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

Global Value Set Detail

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	APEX	APEX	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN 1/6/2022, 8:37 PM
Edit Del Deactivate	JAVA	JAVA	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN 1/6/2022, 8:37 PM
Edit Del Deactivate	C	C	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN 1/6/2022, 8:37 PM
Edit Del Deactivate	C++	C++	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN 1/6/2022, 8:37 PM

Values

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

Inactive Values

No Inactive Values values defined.

Fields Where Used

No records to display

c) Paper2

Picklist Value Name	Values
Paper2	MATHEMATICS ENGLISH STATISTICS

Global Value Set Detail

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	MATHEMATICS	MATHEMATICS	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN 1/6/2022, 8:38 PM
Edit Del Deactivate	ENGLISH	ENGLISH	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN 1/6/2022, 8:38 PM
Edit Del Deactivate	STATISTICS	STATISTICS	<input type="checkbox"/>	Assigned dynamically	KAREDLA HARSHAVARDHAN 1/6/2022, 8:38 PM

Values

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

Inactive Values

No Inactive Values values defined.

Fields Where Used

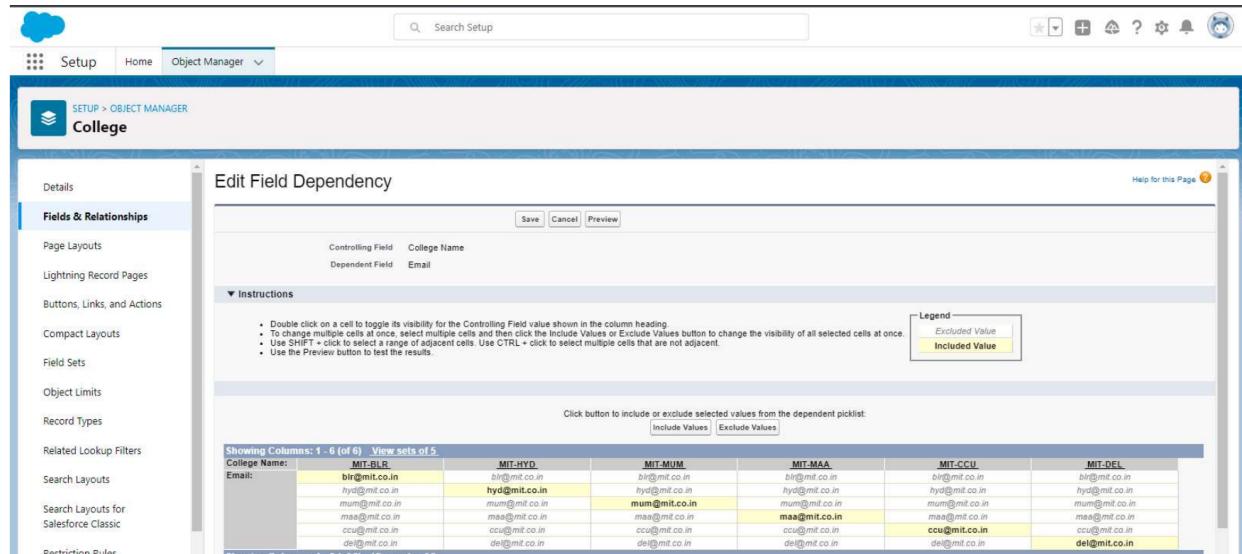
No records to display

Topic: Create field dependency

Milestone\Activities :

Description :

1. Create field dependency between college Name and Email, where the controlling field is college Name and dependent field is Email. Select the email ids according to the college names.
2. Create field dependency between college Name and capacity of students, where the controlling field is college Name and dependent field is Capacity Of Students. Select the values according to your wish.



The screenshot shows the Salesforce Setup interface for creating a field dependency. The page title is "Edit Field Dependency" under "College". The "Controlling Field" is set to "College Name" and the "Dependent Field" is set to "Email". The "Instructions" section provides guidance on selecting cells and using the "Include Values" and "Exclude Values" buttons. A legend indicates that yellow cells represent "Included Value" and grey cells represent "Excluded Value". The "Showing Columns: 1 - 6 (of 6)" table lists email addresses for various colleges. The "Capacity Of Students" screenshot shows a similar setup but with numerical values for student capacity instead of email addresses.

Email Controlling Field:

College Name	MIT-BLR	MIT-HYD	MIT-MUM	MIT-MAA	MIT-CCU	MIT-DEL
Email:	bir@mit.co.in	bir@mit.co.in	bir@mit.co.in	bir@mit.co.in	bir@mit.co.in	bir@mit.co.in
	hyd@mit.co.in	hyd@mit.co.in	hyd@mit.co.in	hyd@mit.co.in	hyd@mit.co.in	hyd@mit.co.in
	mum@mit.co.in	mum@mit.co.in	mum@mit.co.in	mum@mit.co.in	mum@mit.co.in	mum@mit.co.in
	maa@mit.co.in	maa@mit.co.in	maa@mit.co.in	maa@mit.co.in	maa@mit.co.in	maa@mit.co.in
	ccu@mit.co.in	ccu@mit.co.in	ccu@mit.co.in	ccu@mit.co.in	ccu@mit.co.in	ccu@mit.co.in
	del@mit.co.in	del@mit.co.in	del@mit.co.in	del@mit.co.in	del@mit.co.in	del@mit.co.in

Capacity Of Students Controlling Field:

College Name	MIT-BLR	MIT-HYD	MIT-MUM	MIT-MAA	MIT-CCU	MIT-DEL
Capacity Of Students:	500-1000	500-1000	500-1000	500-1000	500-1000	500-1000
	1000-2500	1000-2500	1000-2500	1000-2500	1000-2500	1000-2500
	2500-8000	2500-8000	2500-8000	2500-8000	2500-8000	2500-8000
	6000-10000	6000-10000	6000-10000	6000-10000	6000-10000	6000-10000

Topic: Create a validation rule

Milestone\Activities:

Description:

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

TEXT(College_Name__c) <> Name.

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

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 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, etc. The 'Validation Rules' option is selected and highlighted with a blue border. The main content area displays a table titled 'Validation Rules' with one item listed:

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
college_name_same	Top of Page	Please use the college name info	✓	KAREDLA HARSHAVARDHAN, 1/15/2022, 10:51 PM

The screenshot shows the Salesforce Object Manager interface. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Validation Rules' under the 'Application Form' object. It displays one item: 'Stop_any_modification' with rule name 'Top of Page', error message 'No errors', active status, and modified by 'KAREDLA HARSHAVARDHAN' on 1/15/2022 at 10:54 PM.

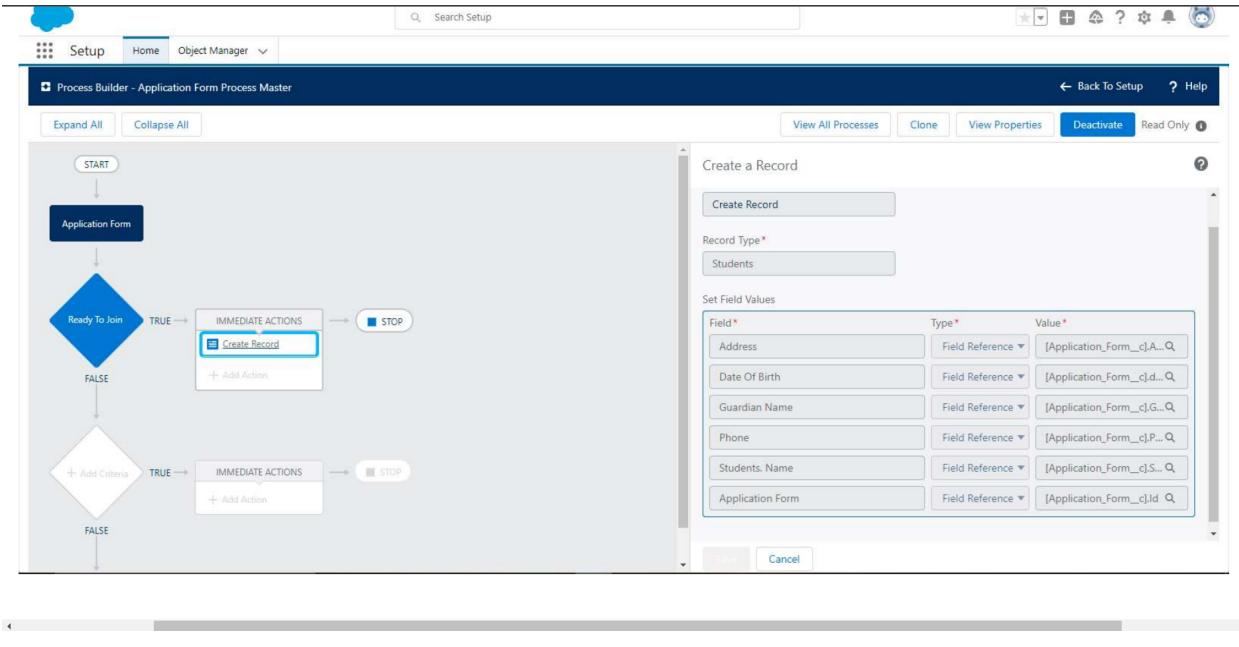
RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Stop_any_modification	Top of Page	No errors	✓	KAREDLA HARSHAVARDHAN, 1/15/2022, 10:54 PM

Topic :Create an automation process

Milestone \ Activity:

Description:

1. Create an automation process such that when the "ready to join" field is checked on the application form object we need to create the student record automatically with the information specified in the application form record.
2. Go to Setup -> select "Process Builder" from quick find. Create a Process Builder on the "Application Form" object with a condition as "When a record change". And select "When a record is created or edited".
 - a. In the diamond shape box(called nodes), select the criteria which trigger the Process builder to fire. In our example, it is "When Ready to Join field is checked."
 - b. Once the node is setup, click on the adjacent box called "Immediate action". And select create a record on the student object. Please follow the below screenshot.

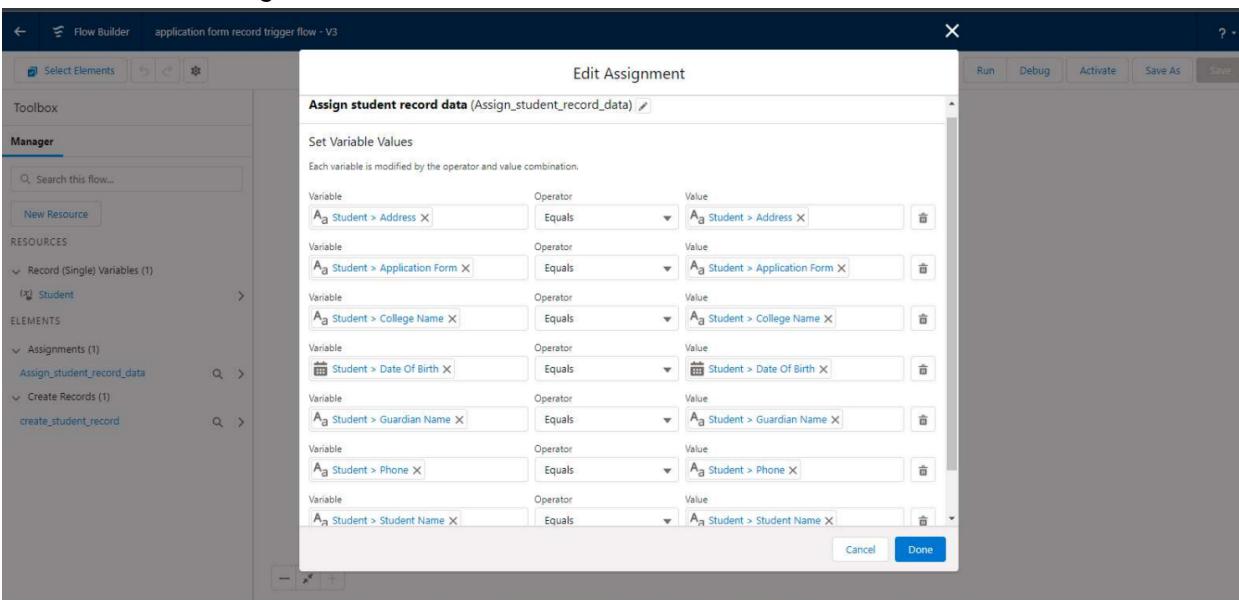


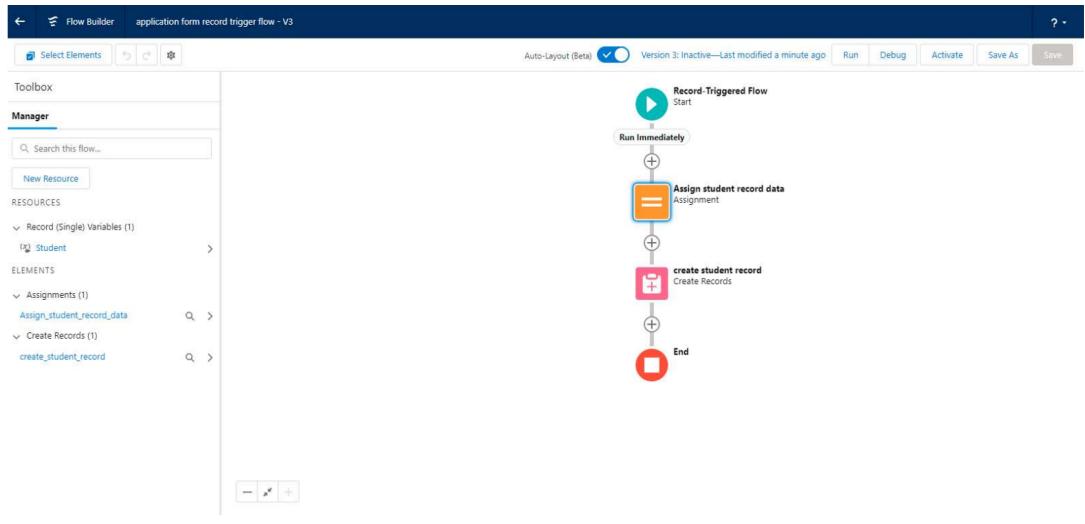
Topic :Create The Student Record Using Flow

Milestone \ Activity:

Description:

1. First deactivate the process builder which we created earlier.
2. Now search for flows and select new flow ->record triggered flow
3. For object select application form, in configure trigger select when the record is updated for entry criteria select as ready to join equals to true.
4. Now create a variable named student in the resource section.
5. Now add the assignment as follows.





Day 4

Topic: Create a batch apex form

Milestone \ Activity: Created

Description:

- From the Developer consloe creared a new apex class and enter the following code
- Syntax Of BatchApex

```

Public class ApplicationBatchTest implements Database.Batchable<sObject>{

    //start(), execute(). finish()
    public Integer totalForms = 0; // total no of application form
    public Integer totalConvertedForms = 0; // total no of students
    public Database.QueryLocator start(Database.BatchableContext bc){
        // gathers the data for you
        String applicationQuery = 'select id, Name, Ready_To_Join__c from ApplicationForm__c';
        return Database.getQueryLocator(applicationQuery);
    }
    public void execute(Database.BatchableContext bc, List<ApplicationForm__c> formList){
        // process the data
        for(ApplicationForm__c af : formList){
            totalForms++;
            if(af.Ready_To_Join__c){
                totalConvertedForms++;
            }
        }
    }
}

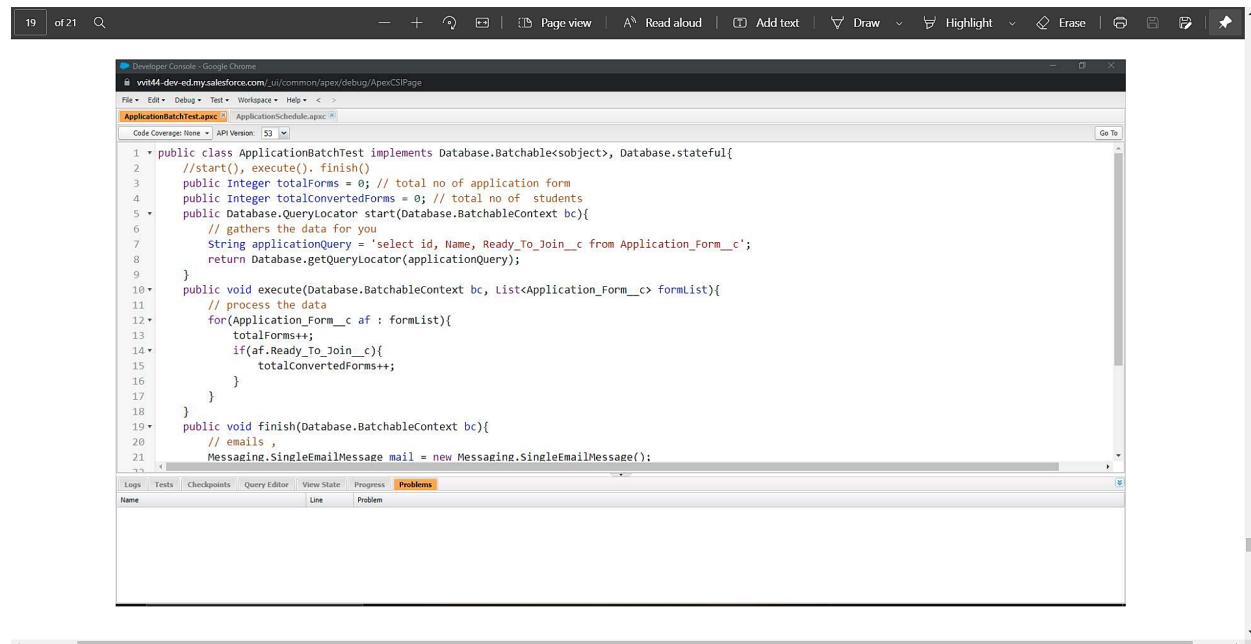
```

```

    }

    public void finish(Database.BatchableContext bc){
        // emails ,
        Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
        // address, subject, content( data to sent to admins)
        mail.setSubject(' Application form and student record data as of today ');
        mail.setPlainTextBody(' Total no of application form records are : '+totalForms+ ' out of
which no of students as per today : '+totalConvertedForms);
        String[] emailAddess = new String[ ]{'harshavardhanakaredla2001@gmail.com'};
        mail.setToAddresses(emailAddess);
        Messaging.sendEmail(new Messaging.SingleEmailMessage[]{ mail });
    }
}

```



Topic: Create a schedular class

Milestone \ Activity: Created

Description:

1. From the developer console create a new apex class and enter the following code.

```
public class applicationschedule implements Schedulable{
```

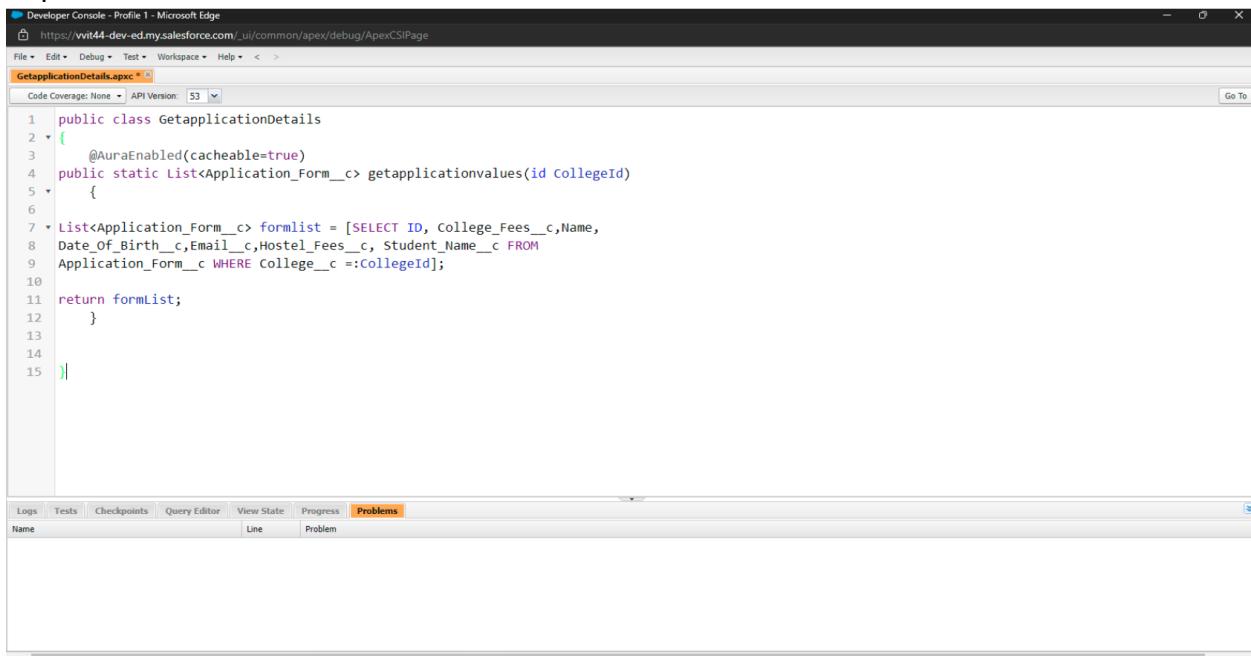
```

public void execute(SchedulableContext sc){
    ApplicationBatchTest abt = new ApplicationBatchTest();
    Database.executeBatch(abt, 400); // 200 to 2000

}
}

```

From setup search for apex class and click on schedule jobs and fill the details as per your requirements.



The screenshot shows the Salesforce Developer Console in Microsoft Edge. The URL is https://vit44-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage. The tab title is "GetapplicationDetails.apex". The code editor contains 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_Fees__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

```

The bottom navigation bar includes tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Problems tab is selected, showing a table with columns Name, Line, and Problem. There are no problems listed.

Day 5 : Lightening Web Component

Topic : Create College Data Table Component

Milestone \ Activity : Created

Description :

Here we are going to create the college data table, for this we need to create an apex class, from which we are going to retrieve the data and Html, javascript files for UI .

Create an Apex Class With The Required Functionality

```
public class GetapplicationDetails
```

```

{
    @AuraEnabled(cacheable=true)
public static List<ApplicationForm__c> getapplicationvalues(id CollegelId)
{

List<ApplicationForm__c> formlist = [SELECT ID, College_Fees__c,Name,
Date_Of_Birth__c,Email__c,Hostel_Fees__c, Student_Name__c FROM
ApplicationForm__c WHERE College__c =:CollegelId];

return formList;
}
}

}


```

The screenshot shows the Salesforce Developer Console in Microsoft Edge. The URL is https://vit44-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSPage. The tab title is "GetapplicationDetails.apex". The code editor displays the Apex code provided above. Below the code editor are tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Problems tab is selected, showing no issues.

Topic : Create College DataTable Component (HTML FILE)

Milestone \ Activity : Created

Description :

HTML:

```
<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 if:true={error}>
    {error}
</template>
</template>

```

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "COLLEGE MANAGEMENT". The "lwc" folder contains "mufirstLWC" which includes "mufirstLWC.html", "mufirstLWC.js", "mufirstLWC.js-meta.xml", ".eslintrc.json", and "jsconfig.json".
- Code Editor:** The active file is "mufirstLWC.html" containing the provided LWC template code.
- Terminal:** Displays the command "Starting SFDX: Deploy Source to Org" followed by deployment logs:

STATE	FULL NAME	TYPE	PROJECT PATH
Changed	mufirstLWC	LightningComponentBundle	force-app\main\default\lwc\mufirstLWC\mufirstLWC.html
Changed	mufirstLWC	LightningComponentBundle	force-app\main\default\lwc\mufirstLWC\mufirstLWC.js
Changed	mufirstLWC	LightningComponentBundle	force-app\main\default\lwc\mufirstLWC\mufirstLWC.js-meta.xml

 The log concludes with "19:36:33.646 ended SFDX: Deploy Source to Org".

Topic :Create College DataTable Component(JAVA SCRIPT FILE)

Milestone \ Activity : Created

Description :

```

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;

@wire(getapplicationvalues, {CollegeId : '$recordId'})
wiredCollegeData({data, error}){
    if(data){
        this.recordList = data;
    }
    else if(error){
        this.error = error;
        this.recordList = undefined;
    }
}
}

```

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "COLLEGE MANAGEMENT". The current file is "mufirstLWC.js". Other files include "mufirstLWC.html", "mufirstLWC.js-meta.xml", ".eslintrc.json", and ".jsonconfig.json".
- Code Editor:** Displays the JavaScript code for "mufirstLWC.js". The code handles application form fields, college fees, date of birth, email, and student name, and provides logic for handling errors and setting the recordList.
- Terminal:** Shows deployment logs for the "Deploy Source to Org" command using the Salesforce CLI. The logs indicate the start time (19:37:12.27), the source type (LightningComponentBundle), and the project path (force-app/main/default/lwc/mufirstLWC).
- Status Bar:** Shows the current file (mufirstLWC.js), line count (Line 14, Col 20), character count (Spaces: 4, UTF-8), and other status indicators like Prettier and ESLint.

Topic:Create College DataTable Component(META FILE)

Milestone \ Activity : Created

Description :

```
<?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>
```

The screenshot shows a Visual Studio Code window with the title "mufirstLWCjs-meta.xml - college management - Visual Studio Code". The left sidebar shows a file tree with a "COLLEGE MANAGEMENT" folder containing "aura", "classes", "lwc", and "mufirstLWCjs" subfolders. Inside "mufirstLWCjs" are files like "mufirstLWC.html", "mufirstLWC.js", and "mufirstLWCjs-meta.xml". The main editor area displays the XML code provided above. The bottom right panel shows the "PROBLEMS", "OUTPUT", "DEBUG CONSOLE", and "TERMINAL" tabs. The terminal output shows the deployment process:

```
19:51:15.415: Ended SFDX: Deploy Source to Org
19:51:55.432: Starting SFDX: Deploy Source to Org
==== Deployed Source
STATE      FULL NAME          TYPE           PROJECT PATH
Changed    mufirstLWC         LightningComponentBundle   force-app/main/default/lwc\mufirstLWC\mufirstLWC.html
Changed    mufirstLWC         LightningComponentBundle   force-app/main/default/lwc\mufirstLWC\mufirstLWC.js
Changed    mufirstLWC         LightningComponentBundle   force-app/main/default/lwc\mufirstLWC\mufirstLWC.js-meta.xml
19:57:58.326 ended SFDX: Deploy Source to Org
```

At the bottom, status bar indicators show "Ln 11, Col 28", "Spaces: 4", "UTF-8", "LF", "XML", and "Prettier".

