

Day 1 : 03-01-2022

Topic: Create your salesforce developer org to get started

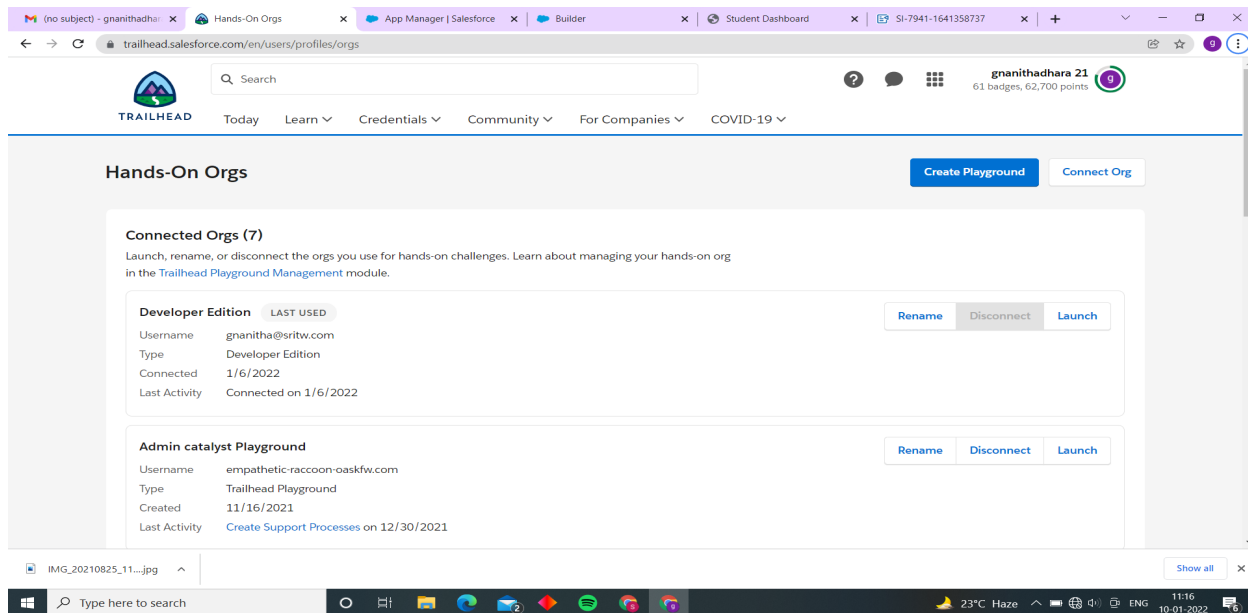
Milestone / Activities: Creating developer.

Account activation.

Login to your salesforce account.

Detailed Description: Initially I had created a developer org salesforce by following steps: I had signed up, then I had entered my details in the signup form, then I had got an email that I was signed and to verify my account, so the account had created after that I had opened the salesforce.com link. Then I was login to my account by entering my username and password that I had created after login the home page was displayed on my screen.

Upload the Screenshot the Milestone / Activities:



Day 2 : 04-01-2022

Topic: Custom Object Creation

Milestone / Activities: Create the Custom Objects For the Applications.

Create fields on College object.

Create fields on Application Form object.

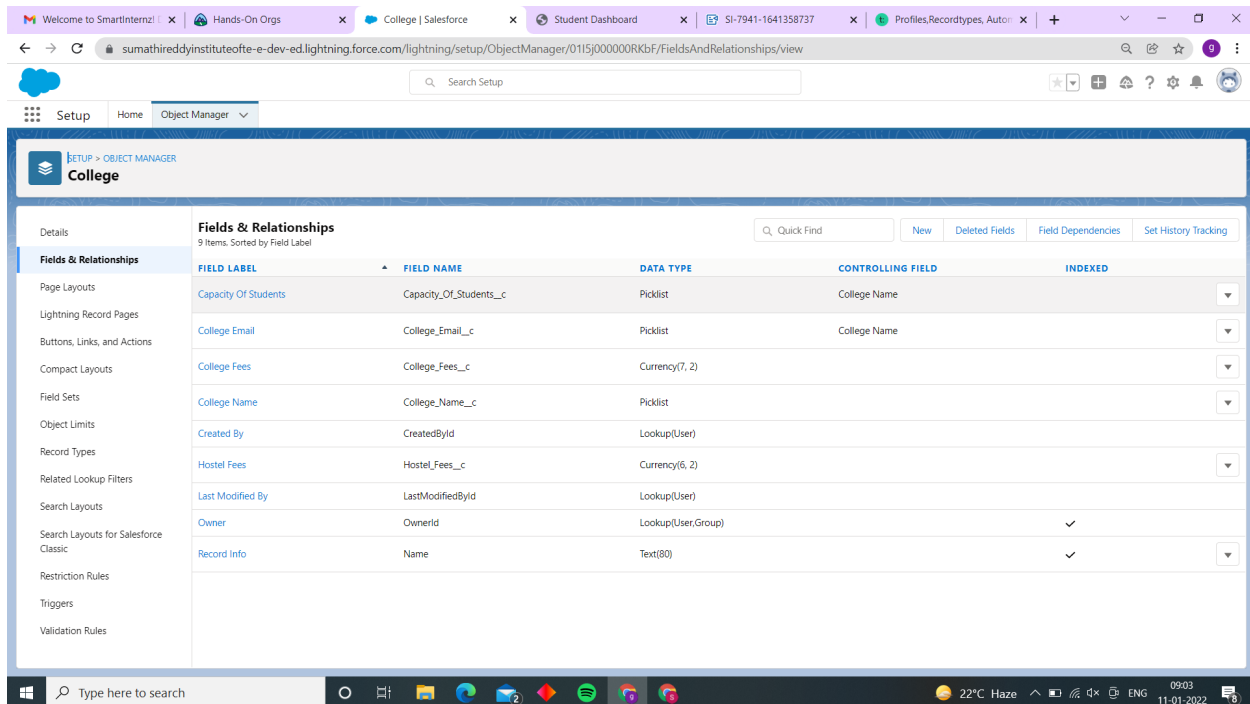
Create fields on Student object.

Create fields on Subject object.

Detailed Description: I had initially created objects of College by >setup>object manager>create a new object. Similarly Application form ,Student Subject objects. Also fields in the specified objects by >Fields & Relationship > new.

Upload the Screenshot the Milestone / Activities:

college object



The screenshot displays the Salesforce Object Manager interface for the 'College' object. The 'Fields & Relationships' section is active, showing a list of 9 fields. The table below summarizes the data visible in the screenshot.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Capacity Of Students	Capacity_Of_Students__c	Picklist	College Name	
College Email	College_Email__c	Picklist	College Name	
College Fees	College_Fees__c	Currency(7, 2)		
College Name	College_Name__c	Picklist		
Created By	CreatedById	Lookup(User)		
Hostel Fees	Hostel_Fees__c	Currency(5, 2)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Record Info	Name	Text(80)		✓

# Application form object

Application Form | Salesforce | Student Dashboard | SI-7941-1641358737 | Profiles, Recordtypes, Auto: x | + | - | X

sumathireddyinstituteofte-e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000RLSP/FieldsAndRelationships/view

Setup Home 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 Area(255)		
Application Form ID Name	Name	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		
Email	Email__c	Email (Unique)		✓
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)		

Type here to search

22°C Haze 09:02 11-01-2022

# Student object

Student | Salesforce | Student Dashboard | SI-7941-1641358737 | Profiles, Recordtypes, Auto: x | + | - | X

sumathireddyinstituteofte-e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000RLSP/FieldsAndRelationships/view

Setup Home 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	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

22°C Haze 09:10 11-01-2022

## Subject object

The screenshot shows the Salesforce Setup interface for the 'Subject' object. The left sidebar contains a navigation menu with options like 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, and Triggers. The main content area is titled 'Fields & Relationships' and displays a table of fields for the Subject object. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are College, Created By, Last Modified By, Owner, Paper 1, Paper2, and Subject Name. The Subject Name field is highlighted in grey, indicating it is the primary key. The table also shows the data type for each field (e.g., Lookup(Student), Lookup(User), Lookup(User,Group), Picklist, Auto Number) and whether it is indexed (checked or unchecked). The bottom of the screen shows the Windows taskbar with the search bar and system tray.

Setup > 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
College	College__c	Lookup(Student)		✓
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		
Subject Name	Name	Auto Number		✓

Type here to search

22°C Haze 09:01 11-01-2022

Day 3 : 05-01-2022

Topic: Adding Business Logic to Applications

Milestone / Activities: Create Global Picklist value set.

Create fields Dependencies.

Create Validation Rules.

Process Automation.

Detailed Description:

I had initially created Global Picklist Values of College Name, Paper 1, Paper 2 by >setup>Home>Picklist value sets. Field Dependencies for College name and Email also College name and capacity of students by >setup>object manager>In search for college>Fields & Relationships>Field Dependencies>new>create College Email, Capacity of Students. Next I had created Validation Rules by form college name and record info by >setup>object manager> In search for student>Fields & Relationships>new>create College Name>formula>save.

Create process building. By >setup>Home>Process Builder>new>create Application form process master as process name >type as Record type>save>object as Application form>save>criteria Name as Ready to Join field is checked>Executing Actions as Conditions are met>set Conditions as Application form \_Ready to join>operator Equals>Type Boolean>value True>save>Immediate Actions >create a student Record>Create fields of Address, Date Of Birth, Guardian Name, Phone, Application form , Student Name>type as Field Reference>Value as Application form \_Address, Application form \_Date Of Birth, Application form \_Guardian Name, Application form \_Phone, Application form, Application form \_Student Name respectively

Upload the Screenshot the Milestone / Activities:

## Global Picklist values

The screenshot shows the Salesforce Setup interface for 'Global Picklist Value Sets'. The left sidebar contains navigation options: Data, Picklist Settings, State and Country/Territory, Picklists, Objects and Fields, and Global Value Sets (selected). The main content area is titled 'Global Value Sets' and includes a 'New' button. Below this is a table with columns 'Action', 'Label', and 'Description'. The table lists three entries: 'Pages.1', 'Pages.2', and 'Deleted Global Value Sets (0)'. The top of the page shows the 'Setup' tab and a search bar.

Action	Label	Description
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	
<a href="#">Edit</a>   <a href="#">Del</a>	Pages.1	
<a href="#">Edit</a>   <a href="#">Del</a>	Pages.2	
Deleted Global Value Sets (0)		

## Field Dependencies

The screenshot shows the Salesforce Setup interface for 'College Field Dependencies'. The left sidebar contains navigation options: Details, Fields & Relationships (selected), 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, and Triggers. The main content area is titled 'College Field Dependencies' and includes a 'Back to Custom Object: College' link. Below this is a table with columns 'Action', 'Controlling Field', 'Dependent Field', and 'Modified By'. The table lists two entries: 'College Email' and 'Capacity Of Students'. The top of the page shows the 'Setup' tab and a search bar.

Action	Controlling Field	Dependent Field	Modified By
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	College Email	DHARA GNANITHA 1/9/2022, 11:22 PM
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	Capacity Of Students	DHARA GNANITHA 1/9/2022, 11:27 PM

sumathireddyinstituteofte-e-dev-ed.lightning.force.com/lightning/o/College\_c/new?count=2&nooverride=1&useRecordTypeCheck=1&navigationLocation=LIST\_VIEW&uid=1642443992034...

### College Management

Home Accounts Contacts Colleges Application Forms Students Subjects

#### New College

Information

\* College Name MIT-HYD [View all dependencies](#)

College Email hyd@mit.co.in [View all dependencies](#)

Capacity Of Students 500-1000 [View all dependencies](#)

Owner DHARA GNANITHA

\* College Fees

\* Hostel Fees

System Information

\* Record Info

Cancel Save & New Save

## Validation Rules

Application Form | Salesfor...

sumathireddyinstituteofte-e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000RLsP/ValidationRules/view

### Application Form

Setup > OBJECT MANAGER

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
Application_Form_cannot_be_modified	Top of Page	Once the student data is recorded cannot be modified	✓	DHARA GNANITHA, 1/11/2022, 9:01 PM

# Process Builder

Browser tabs: (no subject), Hands-On Or..., All J Colleges, Process Build..., Workflow Rule..., Student Dash..., Automation, S..., Student Dash..., SI-7941-1641

Address bar: sumathireddyinstituteofte-e-dev-ed.lightning.force.com/lightning/setup/ProcessAutomation/home

Search Setup

Setup | Home | Object Manager

Process Builder | Back To Setup | Help

My Processes  
1 items

New

PROCESS ▲	DESCRIPTION	OBJECT	PROCESS TYPE	LAST MODIFIED	STATUS	ACTIONS
▼ Application Form Process master						
Version 2: <a href="#">Application Form Process master</a>		Application Form	Record Change	1/17/2022	Active	
Version 1: <a href="#">Application Form Process master</a>		Application Form	Record Change	1/11/2022	Inactive	<a href="#">Delete</a>

Windows taskbar: Type here to search, 20°C Cloudy, 18-01-2022



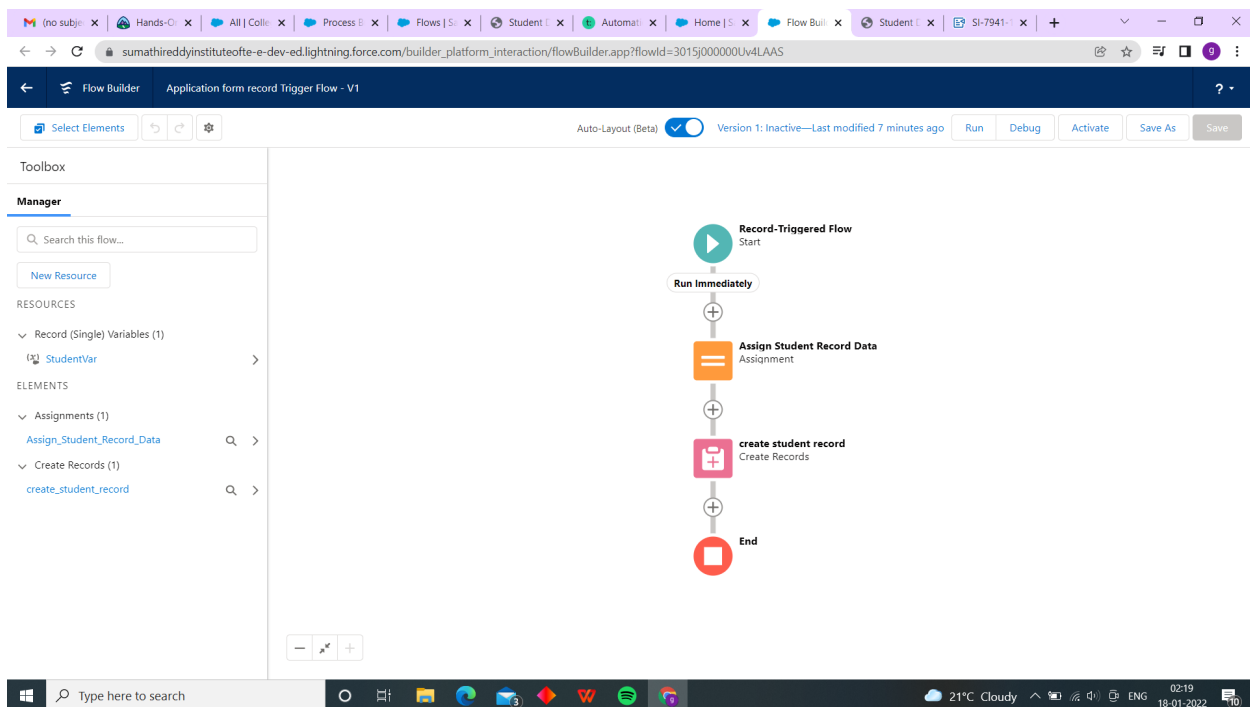
Day 4 : 06-01-2022

## Topic: Adding Business Logic to Applications

Milestone / Activities: Create student record using flow

Detailed Description: Create Student record using flow is by >setup>Home>In search for Flows>new flow Record Triggered Flow >Auto Layout>Object as Application Form>A record as update>All Condition Are met(AND)>ready to join>Equals>True>Done>In New Resource>variable as student > Add Element>Add Assignments> Variable as StudentVar>Address>Operator as Equals>Value as \$Record>Address. similarly Application Form with Record ID,College Name with College,Date Of Birth with Date Of Birth,Guardian Name with Guardian Name,Phone with Phone,Student Name with Student Name>Done>Add Element>Add Record>Record name as Student> Save file as Application Form record Trigger Flow.

Upload the Screenshot the Milestone / Activities:



Day 5 : 10-01-2022

Topic: Batch Apex

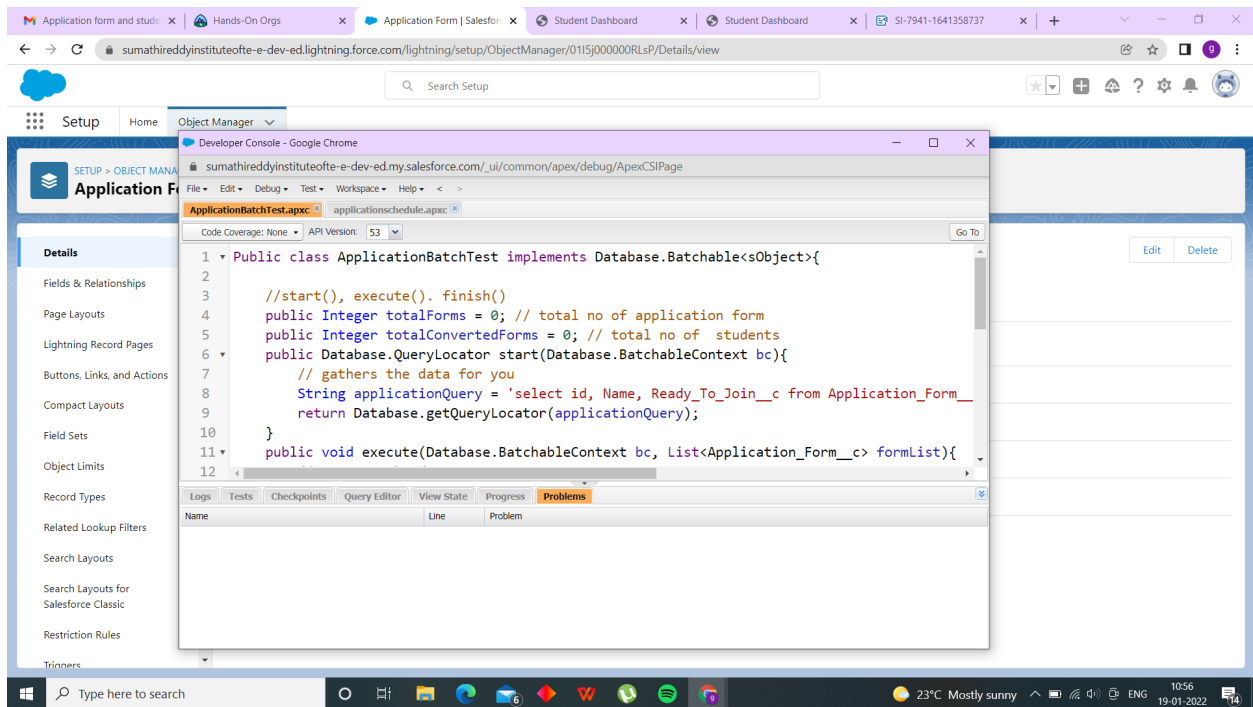
Milestone / Activities: Create a Batch Apex for Application Form

Detail Description:

Initially go to>gear icon>Developer Console>File>New>Apex class>name as ApplicationBatchTest>done>Run the code from the given test.similarly create another apex class with name ApplicationSchedule.

Upload the Screenshot the Milestone / Activities:

## Application Batch Test



# Applicatin Schedule

The screenshot displays the Salesforce Developer Console interface. The browser window shows the URL `sumathireddyinstituteofte-e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000RLsP/Details/view`. The left sidebar contains the 'Setup' menu with options like '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', and 'Restriction Rules'. The main area shows the 'ApplicationBatchTest.apxc' file in the 'ApplicationBatchTest.apxc' workspace. The code is as follows:

```
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 }
```

Below the code editor, the 'Problems' tab is active, showing a table with columns 'Name', 'Line', and 'Problem'. The table is currently empty. The bottom of the screen shows the Windows taskbar with the search bar, task view button, and several application icons. The system tray on the right indicates a temperature of 23°C, mostly sunny weather, and the date/time as 10:55 on 19-01-2022.

Day 6 : 17-01-2022

Topic: Lightning web components

Milestone / Activities: Create college data table component (APEX CLASS)

Create college data table component (HTML FILE)

Create college data table component (JAVA SCRIPT FILE)

Create college data table component (META FILE)

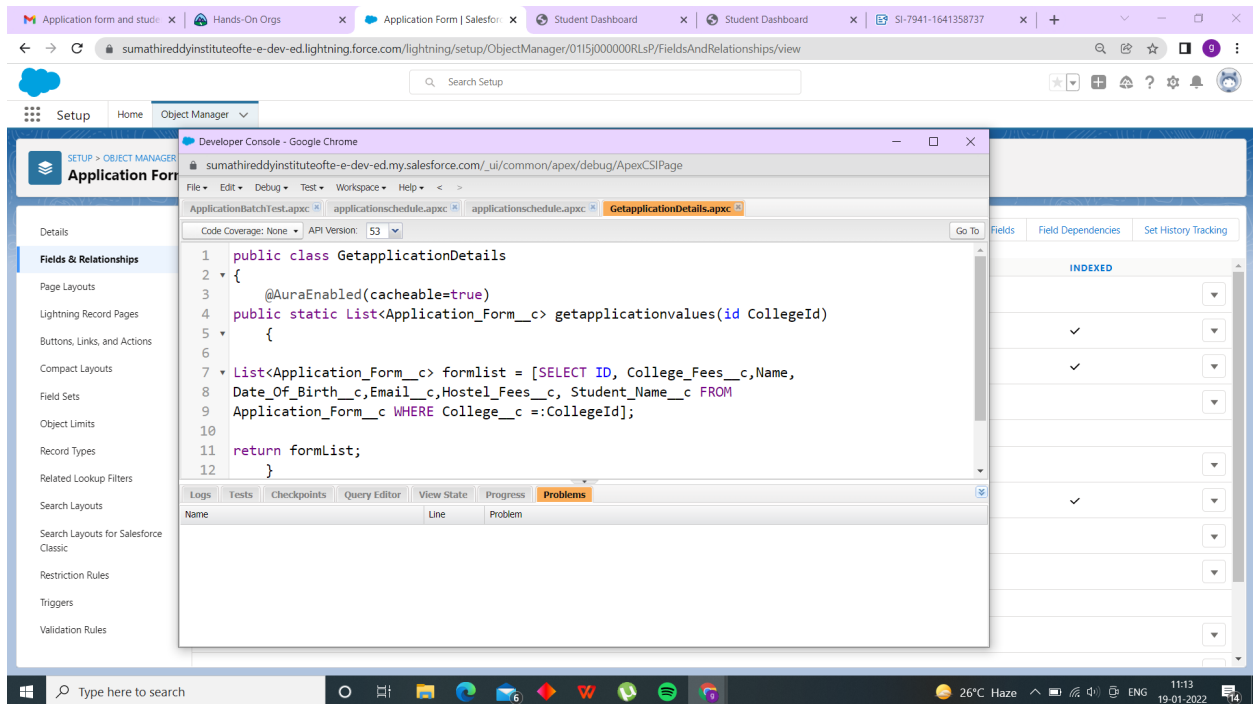
Detail Description:

Initially I had created get application by>Developer Console>File>new>Apex class name as GetApplication>save the code by given in test. Open chrome and search VS code and download and click on desktop icon and go through the installation process.

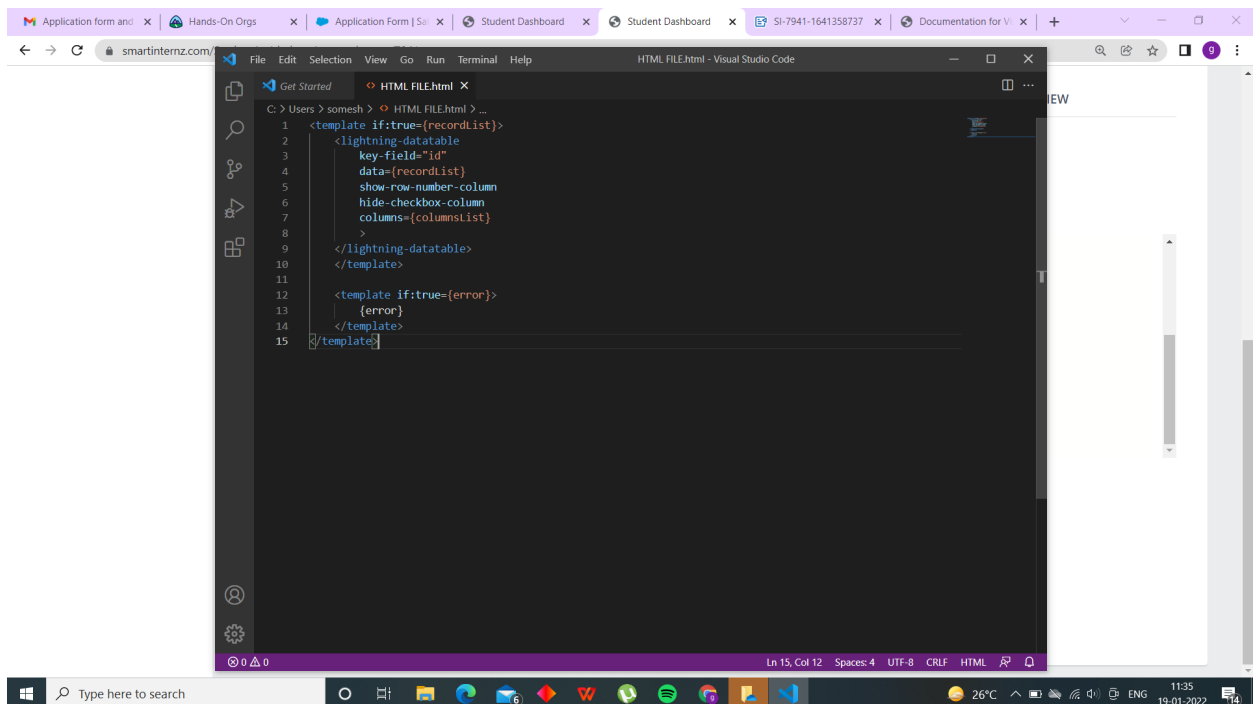
File>language>HTML file>save the code. Similarly create the JAVA script file ,XML file save it and save the code.

Upload the Screenshot the Milestone / Activities:

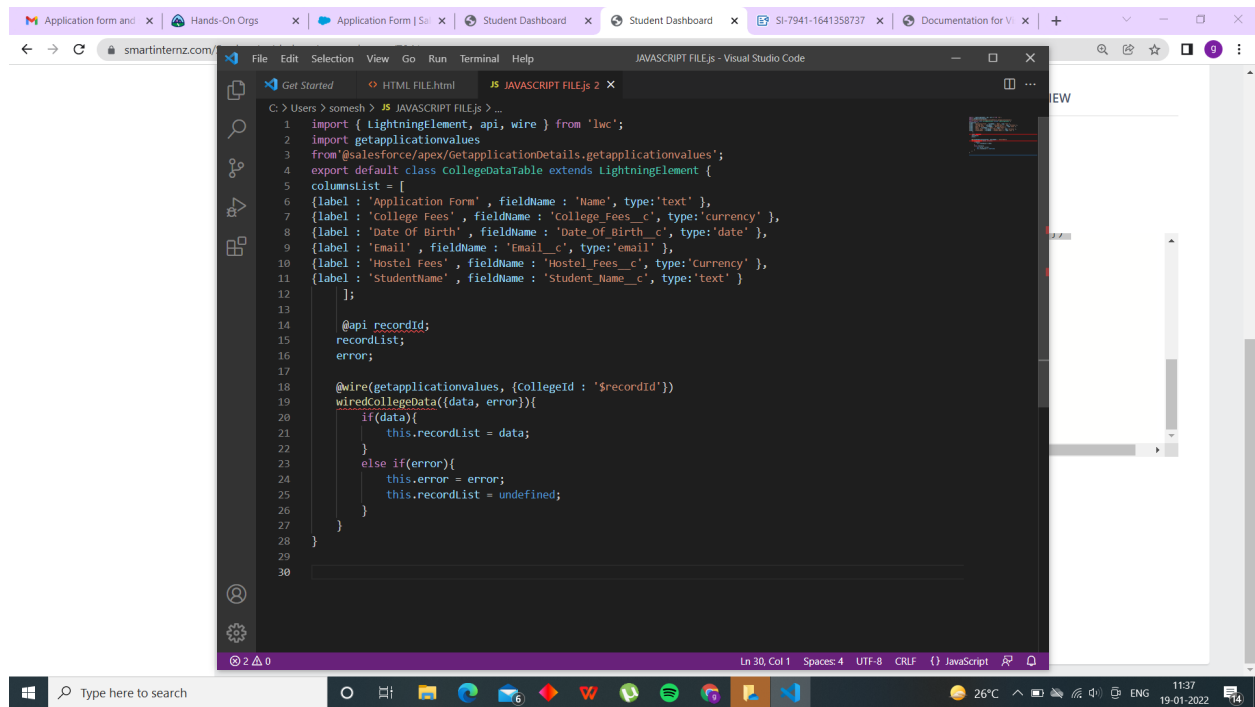
Get application



HTML file

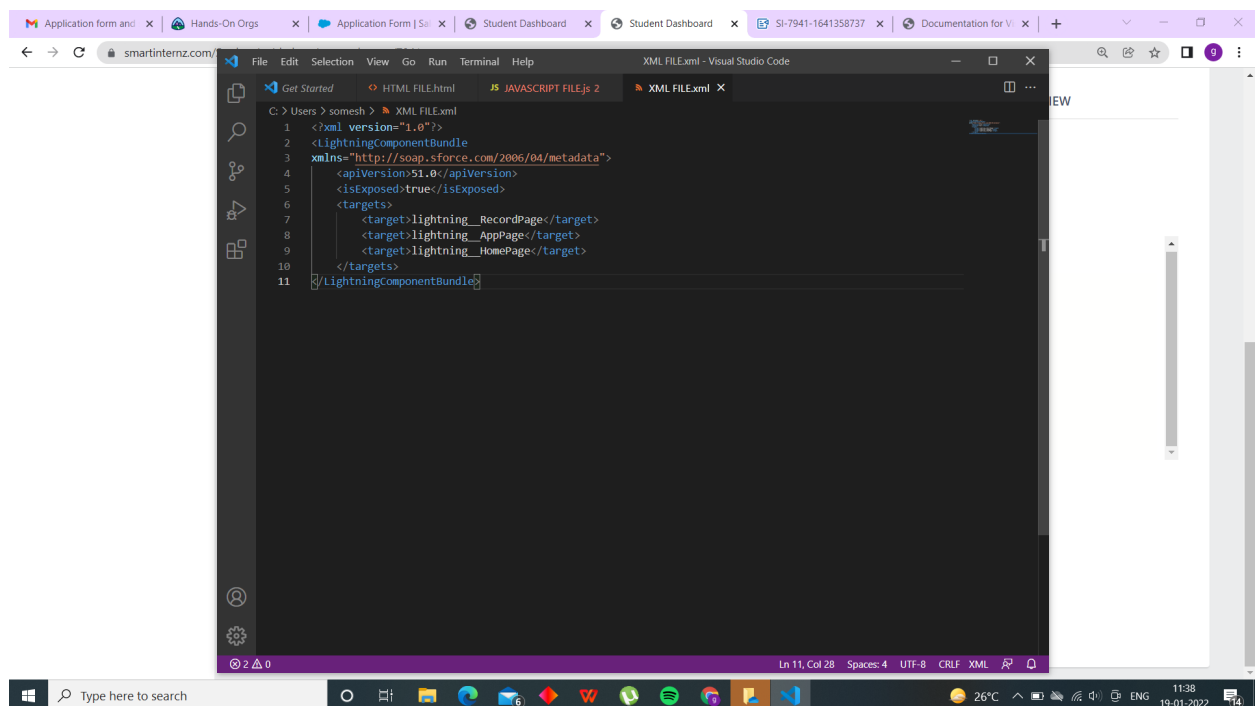


## JAVA SCRIPT file



```
1 import { LightningElement, api, wire } from 'lwc';
2 import getApplicationValues
3 from '@salesforce/apex/GetApplicationDetails.getApplicationValues';
4 export default class collegeDataTable extends LightningElement {
5   columnList = [
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
```

## XML file



```
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>
```

