

Day 1 : 03/01/2022,Monday

Topic: Create your salesforce developer org to get started

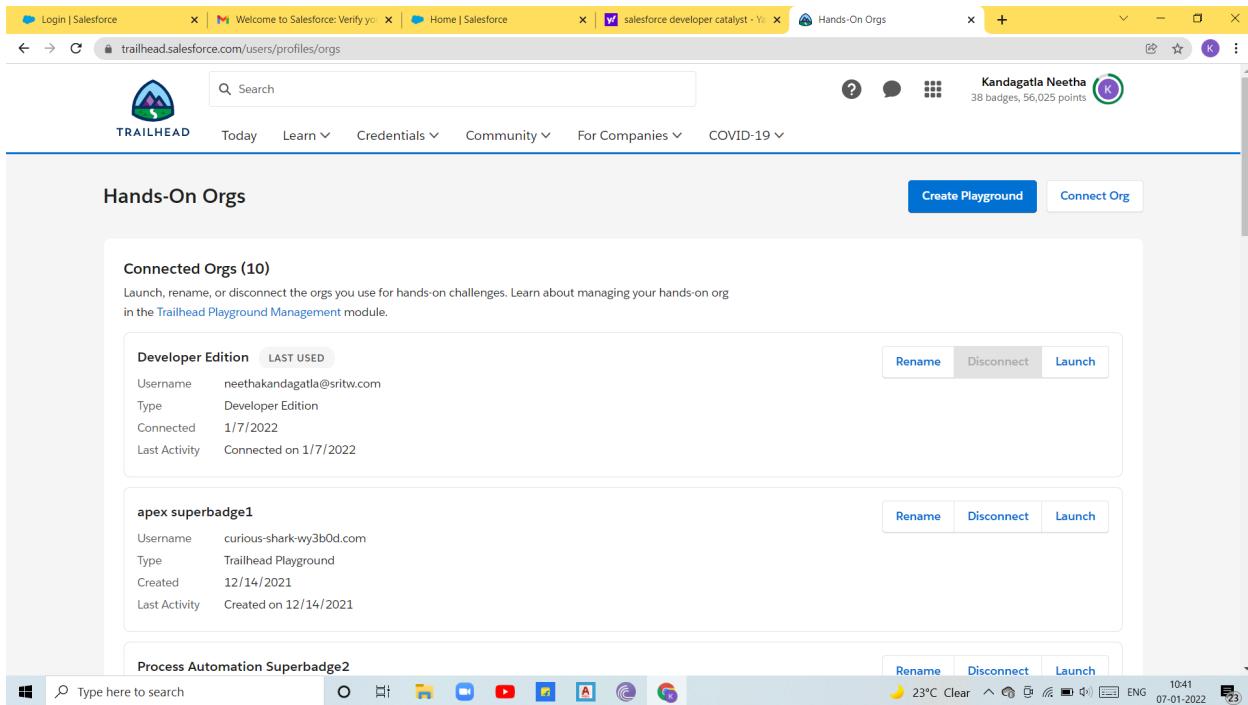
Milestone / Activities: Creating developer account

Account activation

Login to your salesforce account

Detailed Description: First I signed up the developers.salesforce.com/with all required information,then I clicked sign up button after I got email for activating the developer account,then I verified the account,after that I loggod into the salseforce account,after I created college management application in lightening app through app manager.

Upload the Screenshot the Milestone / Activities :



The screenshot shows a Salesforce Lightning interface for a custom object named 'College'. The page title is 'SmartInternz | Student Dashboard'. The URL in the address bar is 'sumathireddyinstituteoftec9-dev-ed.lightning.force.com/lightning/o/College__c/list?filterName=00B5j000008YpLrEAK'. The top navigation bar includes links for 'All Colleges | Salesforce', 'Welcome to SmartInternz!', 'Student Dashboard', 'SI-7930-164129789', '(7) WhatsApp', and other tabs.

The main content area displays a table with 6 items, sorted by 'Record Info'. The columns are 'Record Info' (with a升序箭头), 'College Fees', 'College Name', and 'Hostel Fees'. The data is as follows:

	Record Info	College Fees	College Name	Hostel Fees
1	MIT-BLR	\$200,000.00	MIT-BLR	\$230,000.00
2	MIT-CCU	\$600,000.00	MIT-CCU	\$500,000.00
3	MIT-DEL	\$500,000.00	MIT-DEL	\$400,000.00
4	MIT-HYD	\$100,000.00	MIT-HYD	\$250,000.00
5	MIT-MAA	\$300,000.00	MIT-MAA	\$350,000.00
6	MIT-MUM	\$150,000.00	MIT-MUM	\$200,000.00

The bottom of the screen shows the Windows taskbar with a search bar, pinned apps (Calculator, Mail, YouTube, etc.), and system status icons (24°C Cloudy, ENG, 15-01-2022, 19:51).

Day 2 : 04/01/2022

Topic: Custom object creation

Milestone / Activities: Create The Custom Object For The Application

Create Fields On College Object

Detailed Description: First I signed up the developer. salesforce.com/with all required information,then I clicked setup and later object manager after I created custom objects according to the requirements.

Upload the Screenshot the Milestone / Activities :

Welcome to SmartInternz | Student Dashboard | SI-7930-1641292789 | Object Manager | Salesforce | Flows | Salesforce | Hands-On Orgs

Setup Home Object Manager

Object Manager

1 Items, Sorted by Label

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
College	College__c	Custom Object		1/7/2022	✓

Type here to search

23°C Clear 00:05 08-01-2022

Welcome to SmartInternz | Student Dashboard | SI-7930-1641292789 | Object Manager | Salesforce | Flows | Salesforce | Hands-On Orgs

Setup Home Object Manager

Object Manager

1 Items, Sorted by Label

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Application Form	Application_Form__c	Custom Object		1/6/2022	✓

Type here to search

23°C Clear 00:07 08-01-2022

The screenshot shows the Salesforce Object Manager interface. The search bar at the top contains the text "stud". A table below lists one item:

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Students	Students__c	Custom Object		1/6/2022	✓

The screenshot shows the Salesforce Object Manager interface. The search bar at the top contains the text "subj". A table below lists one item:

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Subjects	Subjects__c	Custom Object		1/6/2022	✓

Milestone / Activities: Create Fields On College Objects

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

- Header:** Welcome to SmartInternz!, Student Dashboard, SI-7930-1641292789, College | Salesforce, Flows | Salesforce, Hands-On Orgs.
- Page:** Object Manager > College
- Left Sidebar:** 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, Triggers.
- Table:** Fields & Relationships (10 items, Sorted by Field Label)

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		
College Name	Name	Text(80)		✓
Created By	CreatedBy	Lookup(User)		
Email	Email__c	Picklist (Multi-Select)	College Name	
Hostel Fees	Hostel_Fees__c	Currency(6, 2)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User;Group)		✓
Record Info	Record_Info__c	Text(16)		
- Bottom:** Type here to search, system status bar (23°C Clear, ENG, 08-01-2022, 00:14).

Day 3 : 5-01-2022

Topic : Custom object creation

Milestone / Activities: Create Fields On Application Form Object

Create fields on student object

Create fields on subject object

Detailed description : I created fields in custom objects(Application form,Students,Subject) according to required information.

The screenshot shows the Salesforce Setup interface for the Application Form object. The left sidebar lists various setup categories under 'Fields & Relationships'. The main area displays a table titled 'Fields & Relationships' with 18 items, sorted by Field Label. The columns include 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		
Application Form Name	Name	Text(80)		✓
College	College_c	Master-Detail(College)		✓
College Fees	College_Fees_c	Formula (Currency)		
College	College_c	Picklist		
Created By	CreatedByld	Lookup(User)		
date of Birth	date_of_Birth_c	Date		
Email	Email_c	Email		

The screenshot shows the Salesforce Setup interface for the Student object. The left sidebar lists various setup categories under 'Fields & Relationships'. The main area displays a table titled 'Fields & Relationships' with 18 items, sorted by Field Label. The columns include FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Email	Email_c	Email		
Guardian Name	Guardian_Name_c	Text(30)		
Hostel Fees	Hostel_Fees_c	Formula (Currency)		
Last Modified By	LastModifiedByld	Lookup(User)		
Looking For Hostel Stay	Looking_For_Hostel_Stay_c	Checkbox		
Paper 1	Paper_1_c	Picklist		
Paper2	Paper2_c	Picklist		
Phone	Phone_c	Phone		
Ready To Join	Ready_To_Join_c	Checkbox		
Student Name	Student_Name_c	Text(30)		

Milestone / Activities: Create Fields On Student Object

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

- Header:** Welcome to SmartInternz!, Student Dashboard, SI-7930-1641292789, Students | Salesforce, Flows | Salesforce, Hands-On Orgs.
- Page:** Object Manager > Students
- Section:** Fields & Relationships
- Table:** Displays 11 items sorted by Field Label. The table includes columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.
- Data:**

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Text(255)		
Application Form	Application_Form__c	Lookup(Application Form)		✓
College Name	College_Name__c	Formula (Text)		
Created By	CreatedById	Lookup(User)		
Date Of Birth	DateOfBirth_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	Student_Name__c	Text(14)		
- Toolbar:** Quick Find, New, Deleted Fields, Field Dependencies, Set History Tracking.
- Footer:** Type here to search, system status bar (23°C Clear, ENG, 08-01-2022).

This screenshot is identical to the one above, showing the same Fields & Relationships page for the Students object in the Salesforce Setup interface.

Milestone / Activities: Create Fields On Subject Object

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for Welcome to SmartInternz!, Student Dashboard, SI-7930-1641292789, Subjects | Salesforce, Flows | Salesforce, and Hands-On Orgs. The main title is "Subjects". The left sidebar has a "Fields & Relationships" section with various options like Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, and Restriction Rules. The main content area is titled "Fields & Relationships" and lists eight items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The data is as follows:

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		
Students	Students__c	Lookup(Students)		✓
Subject ID	Subject_ID__c	Auto Number		
Subjects Name	Name	Text(80)		✓

Day 4: 06/01/2022

Topic: Adding Business Logic To Application

Milestone / Activities: Create Global Picklist Value Sets

Create Field Dependencies

Detailed Description: First I signed up the developers.salesforce.com/with all required information,then I created global picklist values college,paper1 and paper2 in picklist value set then I created field dependencies.

Upload the Screenshot the Milestone / Activities : Global picklist values

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

- Page Header:** Welcome to SmartInternz! Delight, Student Dashboard, Setting Up First App: Custom Obj, Hands-On Orgs, Picklist Value Sets | Salesforce.
- Search Bar:** Search Setup.
- Left Sidebar:** Data (Picklist Settings, State and Country/Territory, Picklists), Objects and Fields (Picklist Value Sets).
- Main Content:** **Picklist Value Sets**. It explains that global picklist value sets let you share values across objects. It shows a table of Global Value Sets with columns Action, Label, and Description. The table contains three entries: College, Paper_1, and Paper2.
- Bottom Status Bar:** Type here to search, system icons, 24°C Haze, ENG, 11-01-2022, 14:41.

Upload the Screenshot the Milestone / Activities :Create Field Dependencies

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

- Page Header:** Welcome to SmartInternz! Delight, Student Dashboard, SI-7930-1641292789, College | Salesforce, Flows | Salesforce, Hands-On Orgs.
- Search Bar:** Search Setup.
- Left Sidebar:** SETUP > 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).
- Main Content:** **College Field Dependencies**. It allows defining dependencies between fields. A table titled "Field Dependencies" shows two entries: College Name (Controlling Field) mapped to Email (Dependent Field) and Capacity Of Students (Dependent Field).
- Bottom Status Bar:** Type here to search, system icons, 23°C Clear, ENG, 08-01-2022, 01:05.

Day 5 : 07-01-2022

Topic : Adding Business Logic To Application
Milestone/Activities: Creating validation rules

Detailed Description : I created validation rule on the college object and application form.

Upload the Screenshot the Milestone / Activities : Creating Validation Rules

The screenshot shows the Salesforce Setup interface for the 'College' object. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, etc. The main content area displays the 'Validation Rules' section, which contains one item named 'College_Name'. The table shows the rule name, error location (Top of Page), error message (Please use college name in record info.), active status (Active), and modified by (Neetha Kandagatla, 1/14/2022, 5:20 AM). The top navigation bar includes tabs for Hands-On Orgs, Scheduled Jobs, College, Welcome to SmartInternz, Student Dashboard, and a specific record view. The bottom taskbar shows system status and user information.

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
College_Name	Top of Page	Please use college name in record info.	✓	Neetha Kandagatla, 1/14/2022, 5:20 AM

The screenshot shows the Salesforce Setup interface for the ApplicationForm object. The left sidebar lists various setup categories under 'Fields & Relationships'. The main content area displays a table titled 'Validation Rules' with one item listed:

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
student_record	Top of Page	No errors found	✓	Neetha Kandagatla, 1/7/2022, 8:42 AM

The status bar at the bottom indicates the date as 14-01-2022 and the time as 18:44.

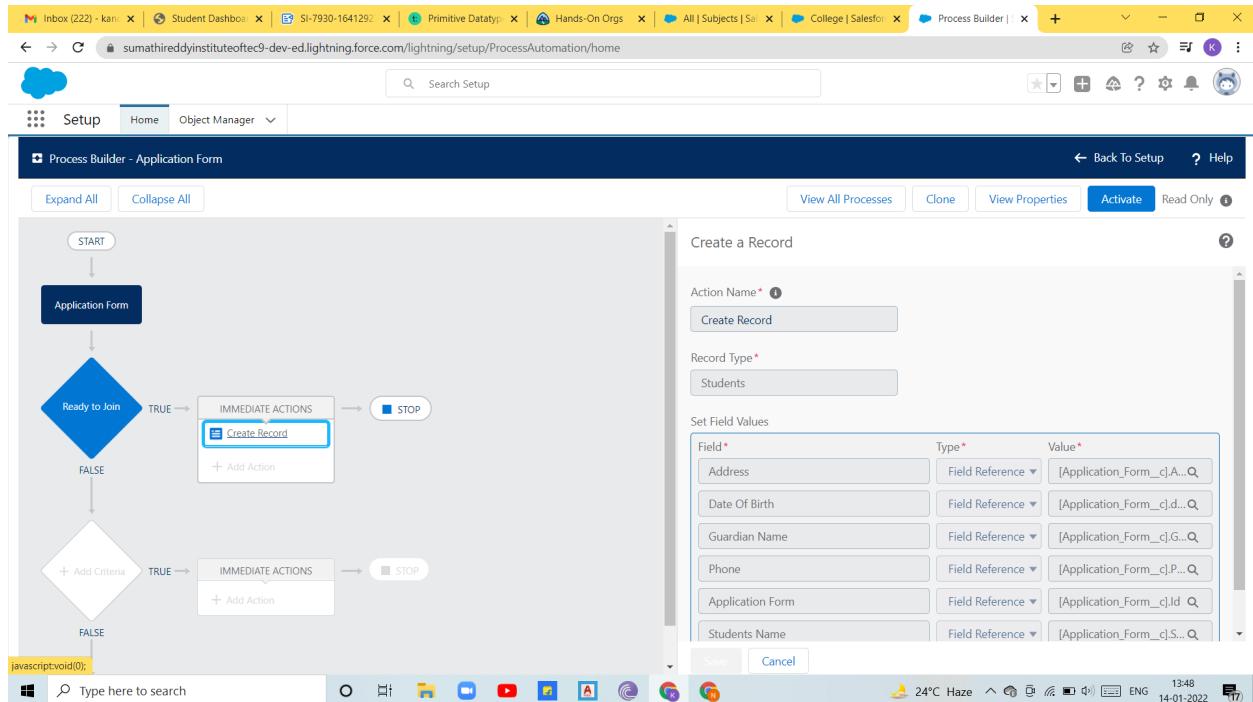
Day 6 : 10-01-2022

Topic : Adding business logic application

Milestone /Activities : Process automation

Detailed Description : I created Application from in process builder.

Upload the Screenshot of the Milestone : Process Automation



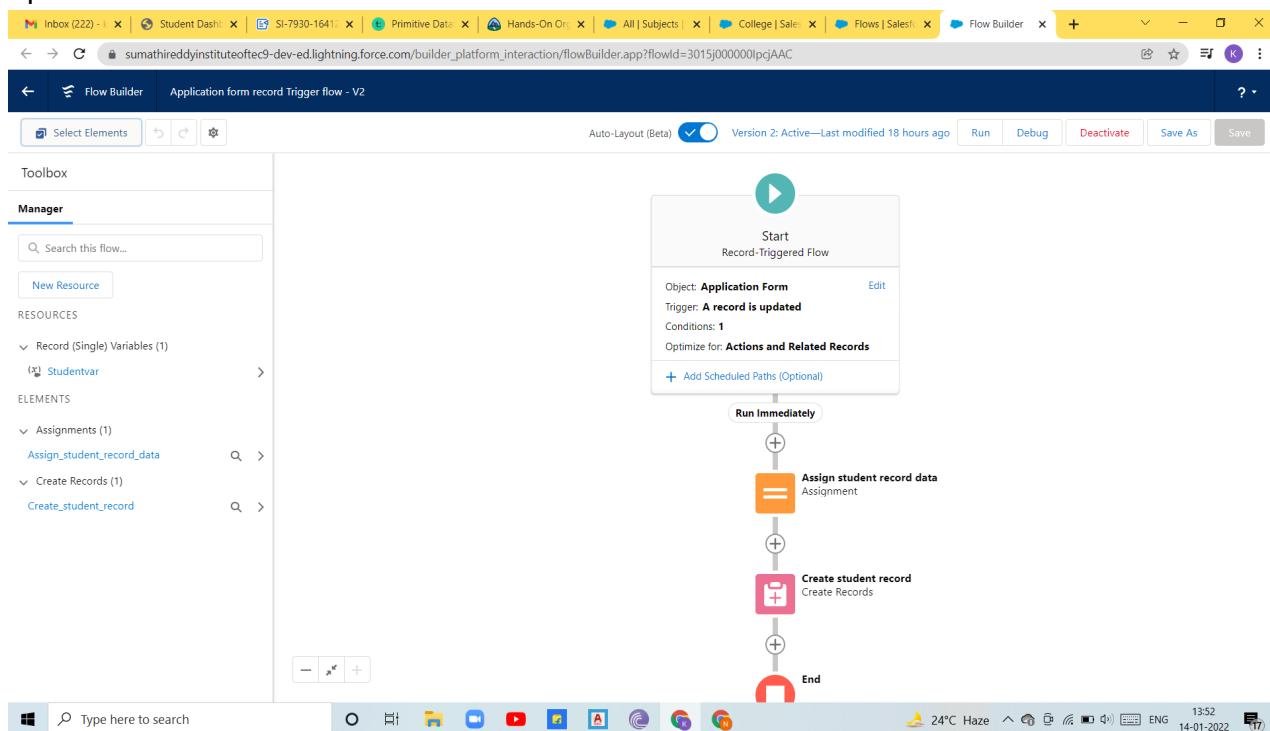
Day 7: 11/01/2022

Topic: Adding Business Logic To Application

Milestone / Activities: Create The Student Record Using Flow

Detailed Description: I created student record using flows.

Upload the Screenshot the Milestone / Activities:



Day 8 : 12-01-2022

Topic : General discussion on student doubts

Day 9: 13/01/2022

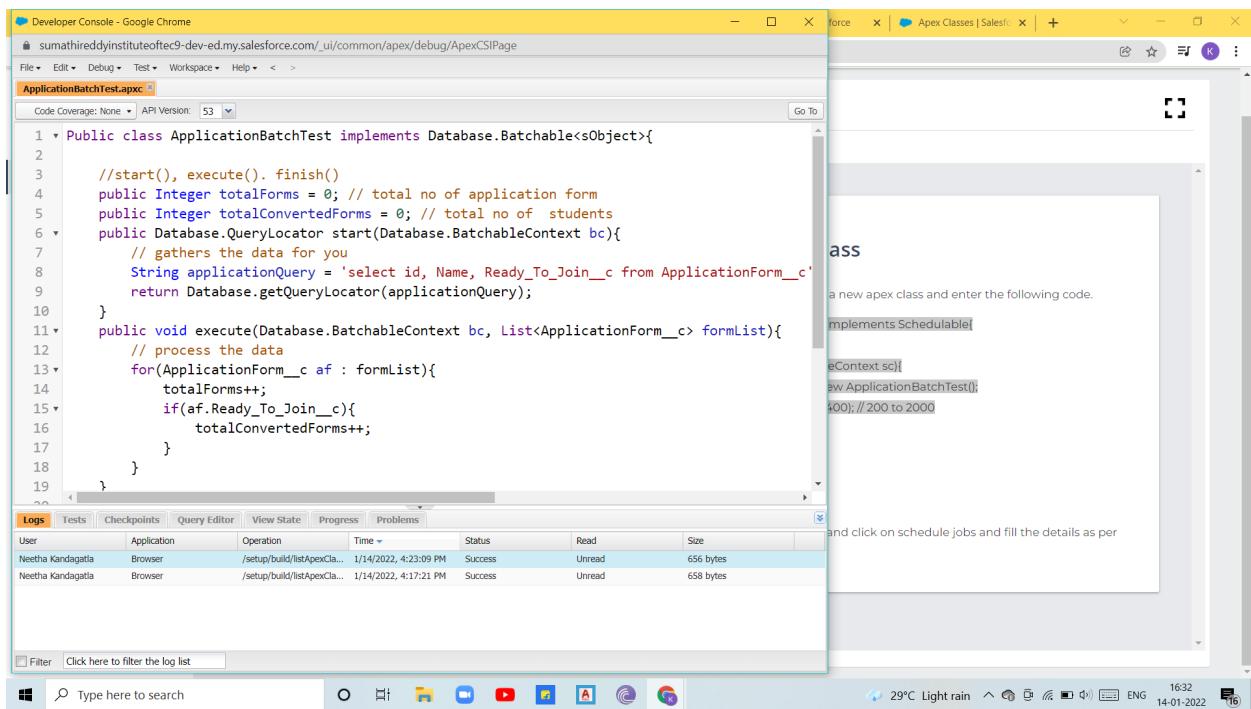
Topic: Batch Apex

Milestone / Activities: Create Batch Apex For Application Form

Create A Schedular Class

Detailed Description: First I signed up the developers.salesforce.com/with all required information,then I went to devoloper console after that I created batch apex for application form,after this by same process I created a schedular class.

Upload the Screenshot the Milestone / Activities:Create a batch apex for application form



The screenshot shows the Salesforce Developer Console interface. The main area displays the code for `ApplicationBatchTest.apxc`. The code implements `Database.Batchable<sObject>` and `implements Schedulable`. It defines `start` and `execute` methods to query `ApplicationForm__c` records and update their `Ready_To_Join__c` status. The `execute` method also increments counters for total forms and converted forms. A tooltip provides instructions for creating a new apex class and entering the provided code. The bottom of the screen shows the Windows taskbar with various icons and the system tray.

```
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 ApplicationForm__c';
9         return Database.getQueryLocator(applicationQuery);
10    }
11    public void execute(Database.BatchableContext bc, List<ApplicationForm__c> formList){
12        // process the data
13        for(ApplicationForm__c af : formList){
14            totalForms++;
15            if(af.Ready_To_Join__c){
16                totalConvertedForms++;
17            }
18        }
19    }
}
```

ass
a new apex class and enter the following code.
implements Schedulable
eContext sc){
ew ApplicationBatchTest();
00); // 200 to 2000
and click on schedule jobs and fill the details as per

Upload the Screenshot the Milestone / Activities:Create a schedular 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 }

```

Apex class :

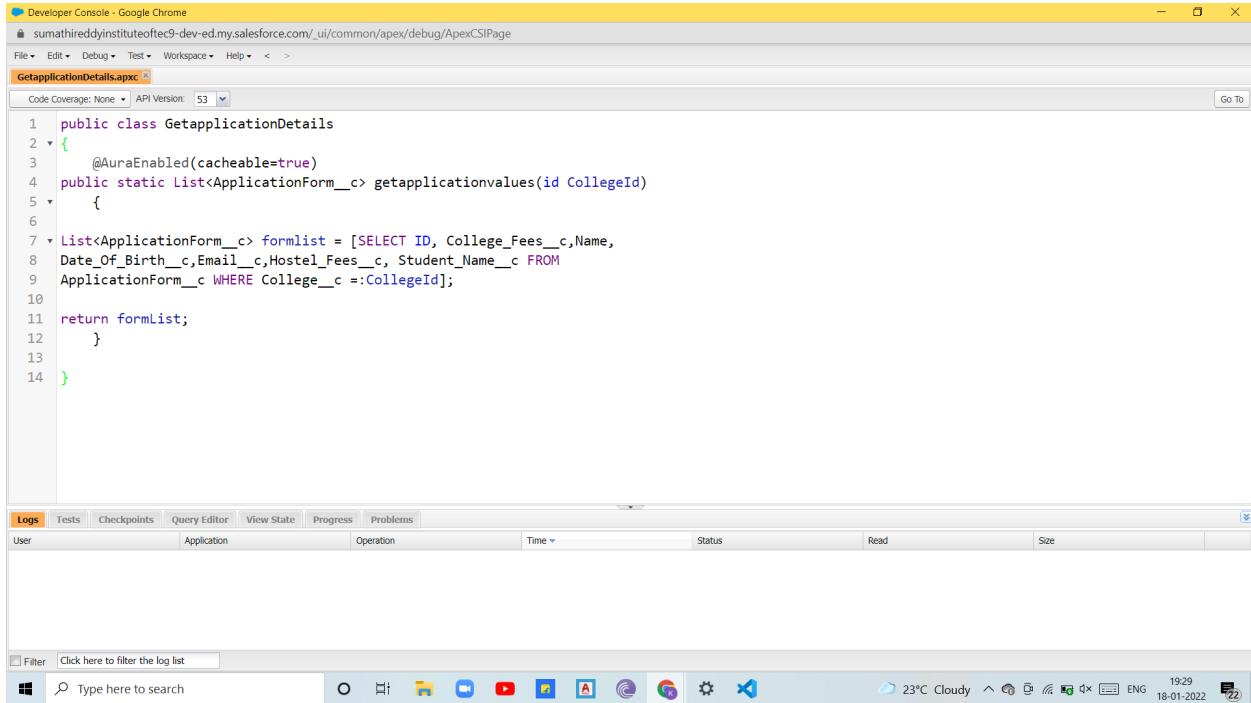
Action	Name	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
Edit Del Security	ApplicationBatchTest		53.0	Active	1,236	Neetha Kandagatta	1/14/2022, 2:03 AM
Edit Del Security	applicationschedule		53.0	Active	218	Neetha Kandagatta	1/14/2022, 4:20 AM

Day 10 : 14-01-2022

Topic : Lightening Web Components

Milestone/activities : Create college data table(APEX CLASS)

Description :First I signed up the developers.salesforce.com/with all required information,then I went to developer console and created college data table(APEX CLASS)
Upload the Screenshot the Milestone / Activities:



```
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 }
```

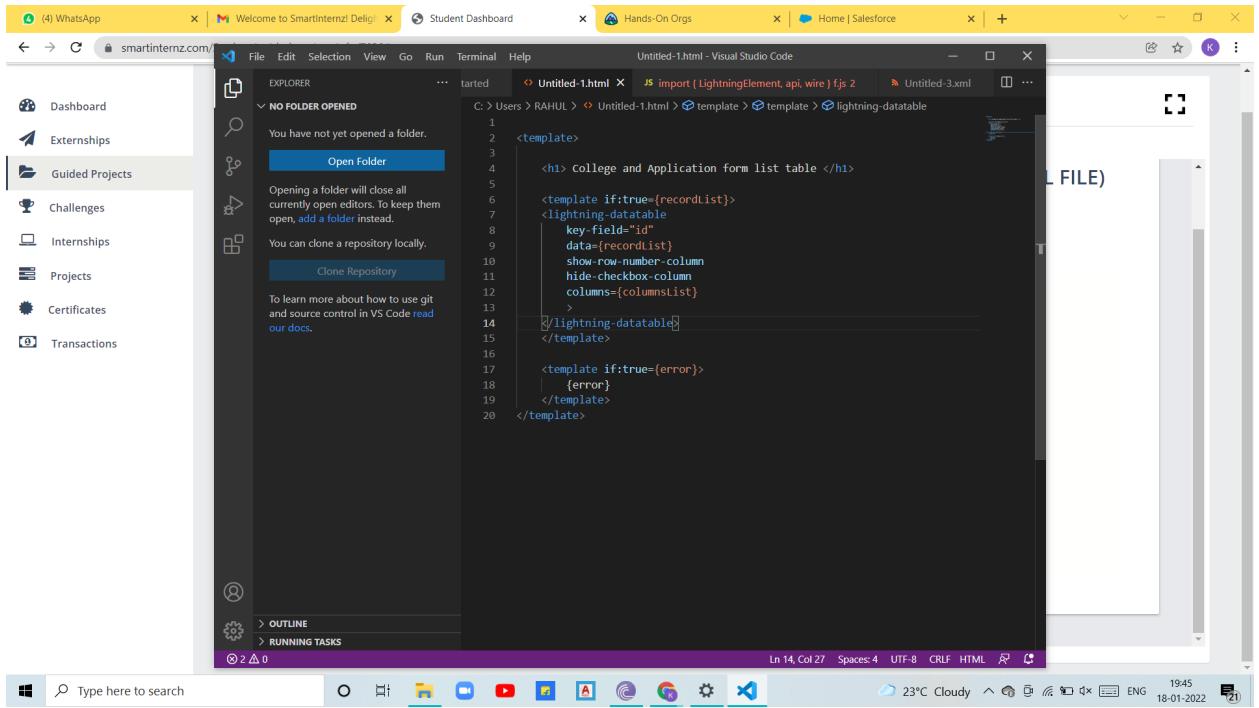
Day 11 : 16-01-2022

Topic : Lightening Web Components

Milestone/activities : Create college data table(HTML FILE)

Description : First I installed VS code then I selected HTML language and after that I created college data table(HTML FILE)

Upload the Screenshot the Milestone / Activities:



```
1 <template>
2   <h1> College and Application form list table </h1>
3
4   <template if:true={recordList}>
5     <lightning-datable
6       key-field="id"
7       data={recordList}
8       show-row-number-column
9       hide-checkbox-column
10      columns={columnsList}
11    >
12    </lightning-datable>
13  </template>
14
15  <template if:true={error}>
16    <error>
17    </error>
18  </template>
19
20 </template>
```

Day 12 : 17-01-2022

Topic : Lightening Web Components

Milestone/activities : Create college data table(JAVA SCRIPT FILE)

Create college data table(META FILE)

Description : First I went to VS code and then new file after that I selected JAVA SCRIPT language and I created college data table(JAVA SCRIPT FILE).

Went to VS code> new file>selected xml language>created college data table(META FILE)

Upload the Screenshot the Milestone / Activities: JAVA SCRIPT FILE

A screenshot of a Windows desktop environment. At the top, there are several browser tabs: WhatsApp, Welcome to SmartInternz!, Student Dashboard, Hands-On Orgs, and Home | Salesforce. Below the tabs, a Visual Studio Code window is open. The Explorer sidebar shows 'NO FOLDER OPENED'. The main editor tab is titled 'Untitled-2 - Visual Studio Code' and contains the following JavaScript code:

```
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     ];
9     @label : 'Date of Birth', fieldName : 'date_of_Birth__c', type:'date' },
10    {label : 'Email', fieldName : 'Email__c', type:'email' },
11    {label : 'Hostel Fees', fieldName : 'Hostel_Fees__c', type:'currency' },
12    {label : 'Student Name', fieldName : 'Student_Name__c', type:'text' }
13];
14
15 @api recordid;
16 recordList;
17 error;
18
19 @wire(getapplicationvalues, {collegeId : '$recordid'})
20 wiredCollegeData({data, error}){
21     if(data){
22         this.recordList = data;
23     }
24     else if(error){
25         this.error = error;
26         this.recordList = undefined;
27     }
28 }
29
30 }
```

The status bar at the bottom of the VS Code window shows 'Ln 28, Col 4 Spaces:4 UTF-8 CRLF'. The taskbar at the bottom of the screen includes icons for File Explorer, Task View, Start, Taskbar settings, and other system icons. The system tray shows the date and time as '18-01-2022 19:21'.

Upload the Screenshot the Milestone / Activities: META FILE

A screenshot of a Windows desktop environment, similar to the previous one. The browser tabs are the same: WhatsApp, Welcome to SmartInternz!, Student Dashboard, Hands-On Orgs, and Home | Salesforce. A Visual Studio Code window is open, showing the 'EXPLORER' view with 'NO FOLDER OPENED'. The main editor tab is titled 'Untitled-3.xml - Visual Studio Code' and contains the following XML code:

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

The status bar at the bottom of the VS Code window shows 'Ln 11, Col 28 Spaces:4 UTF-8 CRLF XML'. The taskbar and system tray are visible at the bottom of the screen.