



SalesForce Project Ready

Entry Level Training & Professional Development Program

Project Title : College Manage Application

DAY 1:

Topic : SalesForce Overview

Milestone/activities : learnt how to create Salesforce account and how to create custom objects in it

Detailed Description:

I have created a new salesforce account and I have created a custom object named "College Management". In that I have created some of the fields which are required for College Management Application

- Colleges
- Application Forms
- Students
- Subjects

Upload the Screenshot the Milestone / Activities :

The screenshot shows a Salesforce user profile for 'Kamtam Sowmya'. The top navigation bar includes links for Google Meet, Kamtam Sowmya | So, Salesforce Overview |, Student Dashboard |, and others. The main header features a 'College Management' logo and a search bar. Below the header is a decorative background with mountains, clouds, and a hot air balloon. The user's name, 'Kamtam Sowmya', is displayed with a blue circular profile picture. A sidebar on the left contains sections for 'Details' (Name: Kamtam Sowmya, Title: Manager, Company Name: pallavi engineering college, Email: kamtamsowmya@gmail.com, Address: IN) and 'Related' (Groups: 0, Files: 0). The right side of the screen shows a large, empty white area.

Day 2:

Topic :Setting Up First App,Custom Object and Field Creation

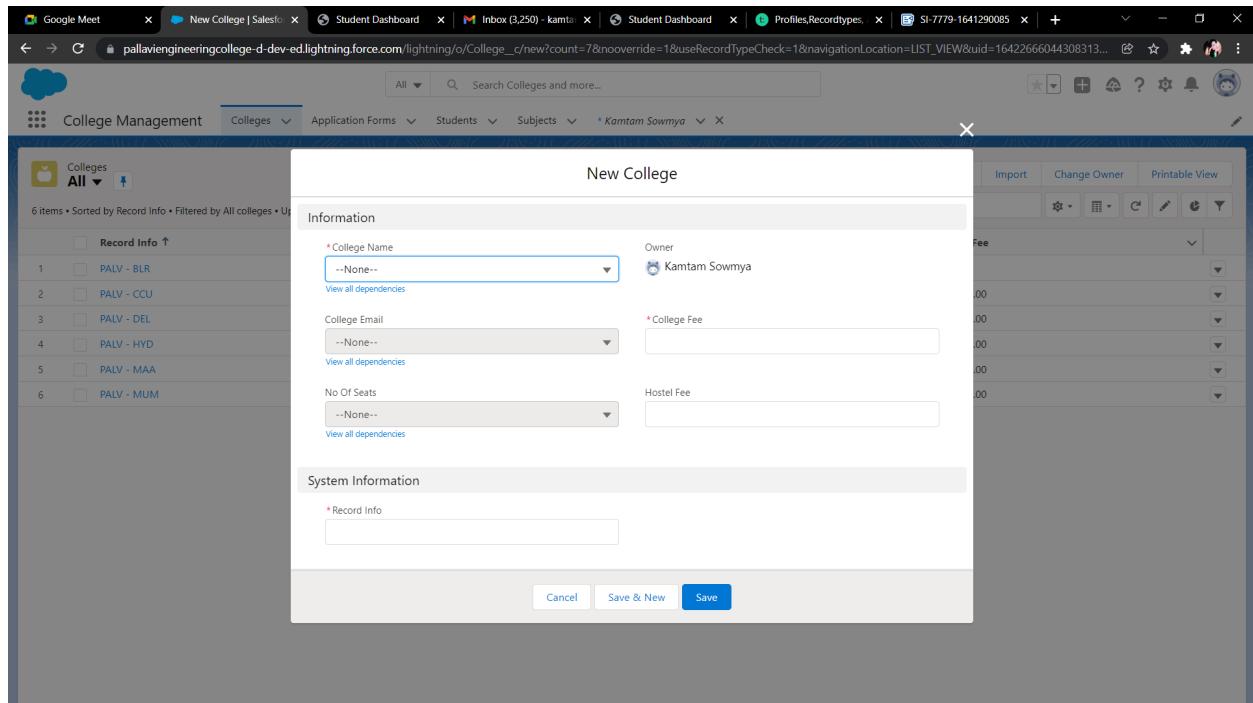
Milestone/activities : learnt how to make custom fields,field dependencies,validation rules

Detailed Description:

I have created the fields to the created Four Custom Objects In Fields and Relationship of required custom objects.

I have created some "Pick List Values" , "New Custom Fields" , "New Field Dependencies" , "Validation Rules"

Upload the Screenshot the Milestone / Activities :



Google Meet | New Application Form | Student Dashboard | Inbox (3,250) - kamta | Student Dashboard | Profiles,Recordtypes. | SI-7779-1641290085 | +

College Management

Application Forms All

4 items • Sorted by Form Number • Filtered by All application

	Form Number ↑
1	Form-00000001
2	Form-00000003
3	Form-00000004
4	Form-00000005

Form Number

*College

*Student Name

*Email

*Date Of Birth

*Address

Looking For Hostel Stay

Ready To Join

*Guardian Name

*Phone

[Cancel](#) [Save & New](#) [Save](#)

Google Meet | New Student | Sales | Student Dashboard | Inbox (3,250) - kamta | Student Dashboard | Profiles,Recordtypes. | SI-7779-1641290085 | +

College Management

Students All

3 items • Sorted by Student Name • Filtered by All students

	Student Name ↑
1	AKHIL
2	kamtam
3	Sowmya

New Student

Information

*Student Name

Owner Kamtam Sowmya

*Phone

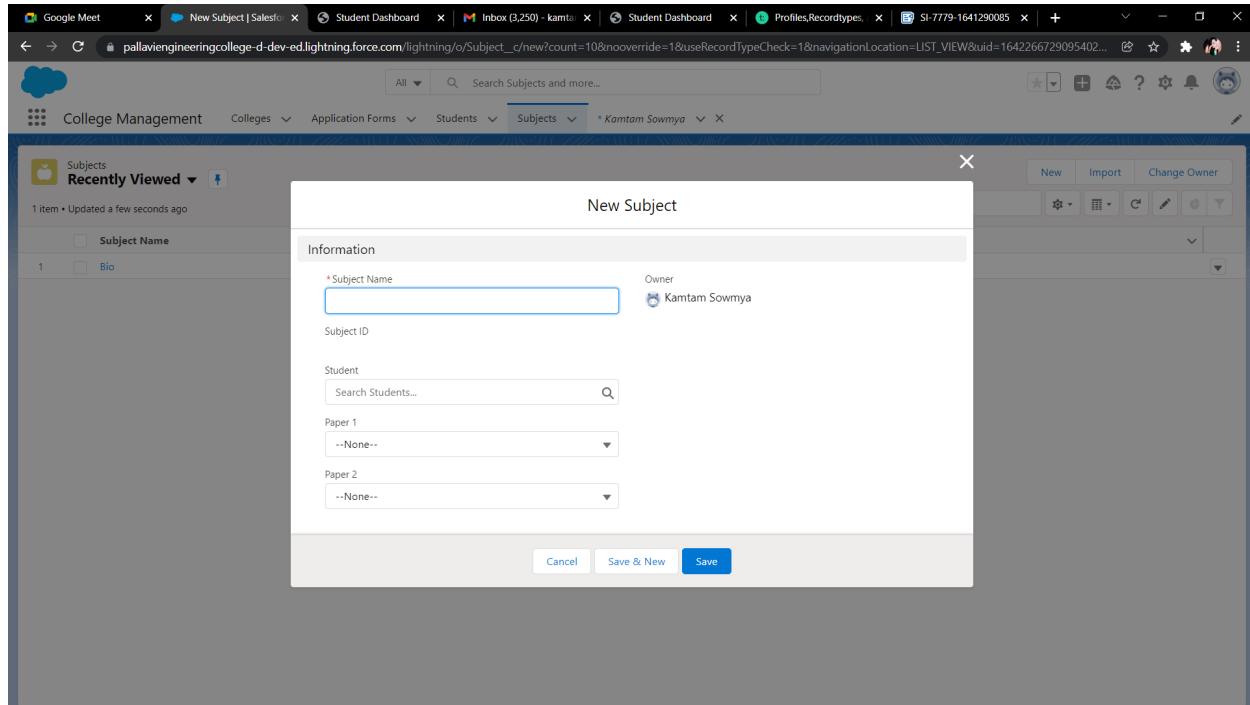
*Date Of Birth

*Address

*Guardian Name

Application Form [Search](#)

[Cancel](#) [Save & New](#) [Save](#)



Day 3:

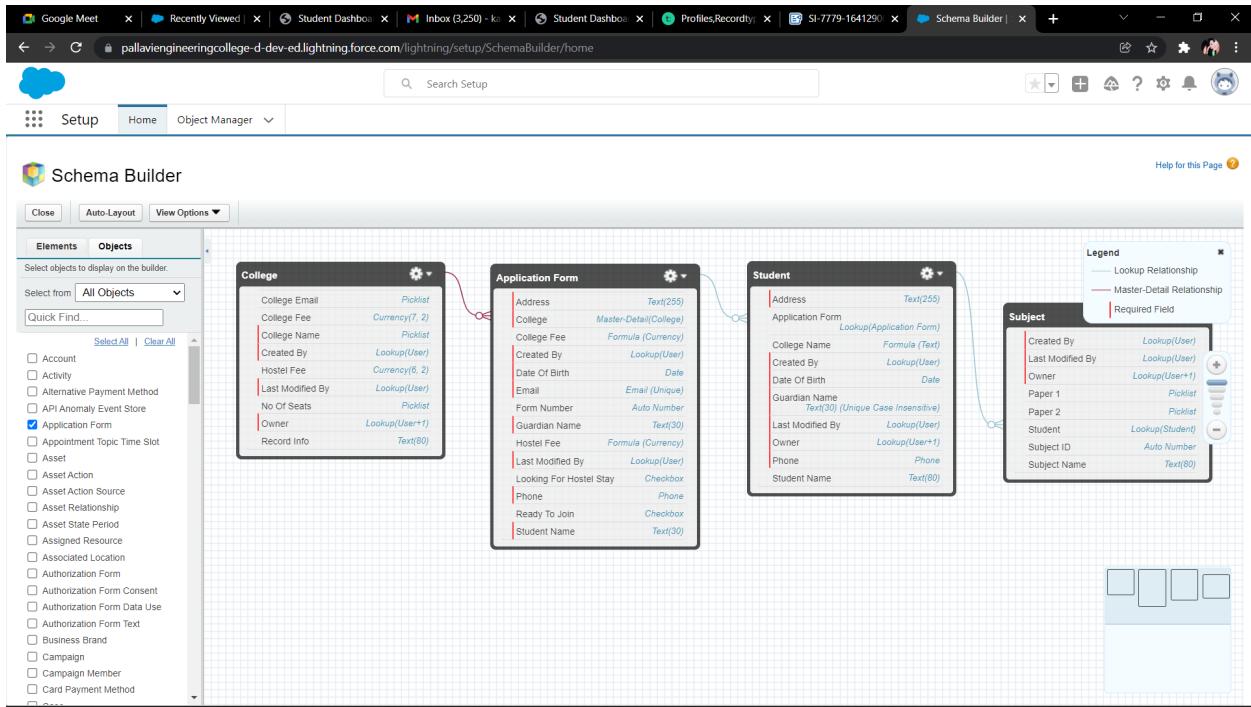
Topic: Profiles, RecordTypes, Automation

Milestone/activities : learnt how to build Schema Builder with required objects

Detailed Description:

I have Created a new "Schema Builder" with all the objects as Colleges, Application Forms, Students, Objects

Upload the Screenshot the Milestone / Activities :



Day 4:

Topic : Process Builder

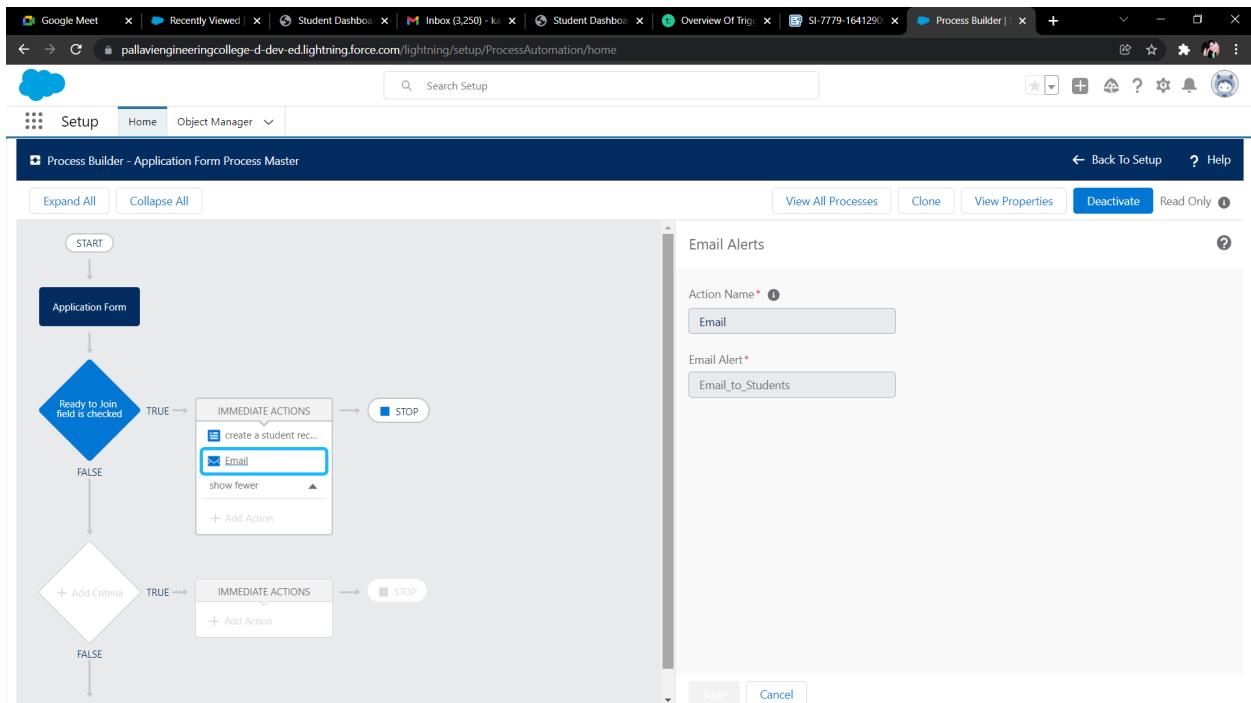
Milestone/activities : learnt how create email alert and learnt how to build process builder

Detailed Description:

I have built a process builder with Application Form as the main block and decision block as "Ready to join field is Checked" if it is true then it will have immediate actions like "Create a Student Record" and "Email Alert"

we can fill the information in Create a Student Record by using previous applications details

Upload the Screenshot the Milestone / Activities :



Day 5:

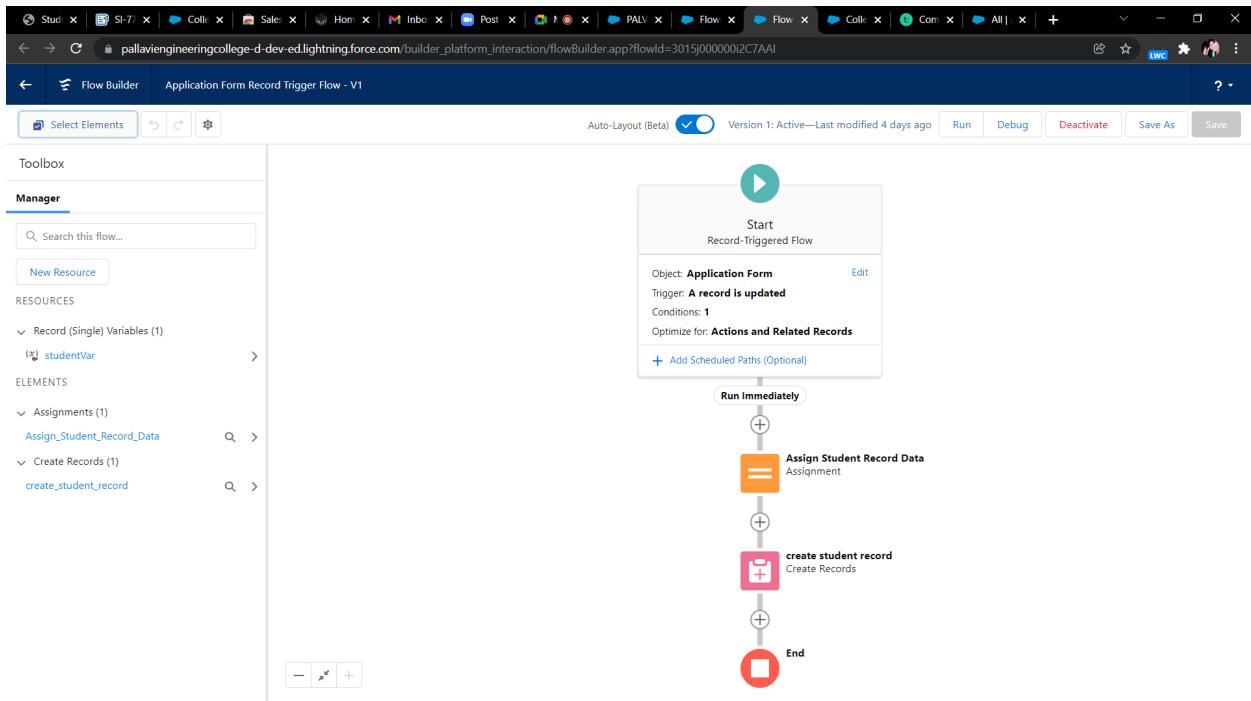
Topic:WorkFlow

Milestone/activities : learnt how to create workflow

Detailed Description:

I have created a Work flow with assign Student record data and create student record data after creating the work flow I have activated the work flow

Upload the Screenshot the Milestone / Activities :



Day 6:

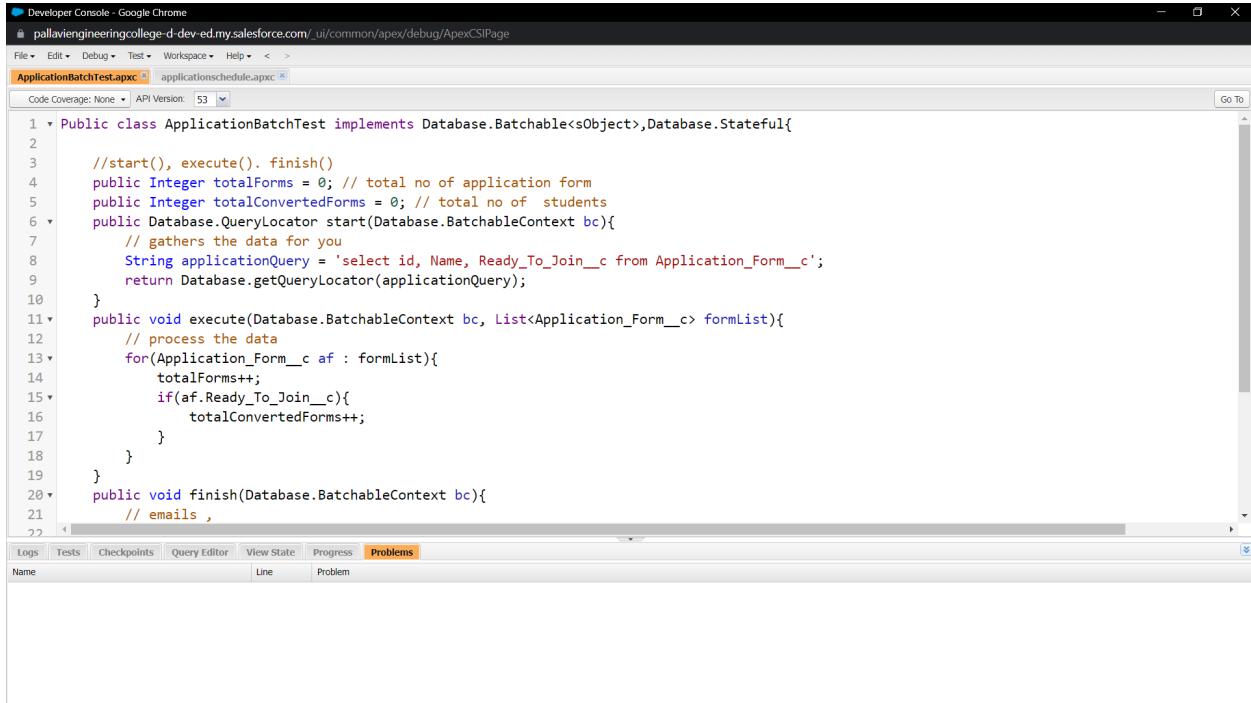
Topic: Apex class

Milestone/activities : learnt how to code in developer console for apex class

Detailed Description:

I have Written a code in Developer Console By Creating a new trigger apex class in the first class
I have written code for Application Form

Upload the Screenshot the Milestone / Activities :



The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Google Chrome" and the URL is "pallavengineeringcollege-d-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The main area displays the code for "ApplicationBatchTest.apxc". The code implements the Database.Batchable<sObject> and Database.Stateful interfaces. It defines start, execute, and finish methods to query application forms and count converted forms. The execute method processes the results and updates counters. The finish method sends emails. The code editor has syntax highlighting for Java-like syntax. Below the code editor is a navigation bar with tabs: Logs, Tests, Checkpoints, Query Editor, ViewState, Progress, and problems. The problems tab is selected, showing a table with columns Name, Line, and Problem. The table is currently empty.

```
1 * Public class ApplicationBatchTest implements Database.Batchable<sObject>,Database.Stateful{
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    public void finish(Database.BatchableContext bc){
21        // emails ,
22    }
}
```

Day 7:

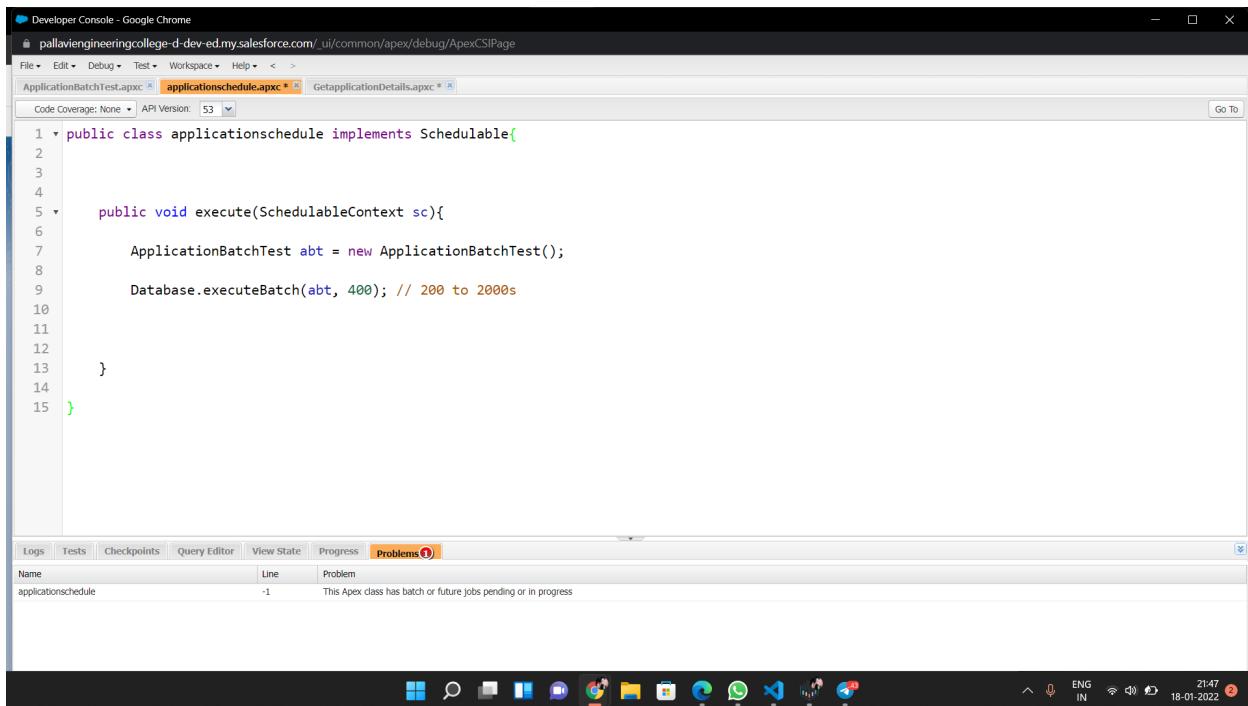
Topic : Schedular Class

Milestone/activities: learnt how to code in developer console for Schedular class

Detailed Description:

I have Written a code in Developer Console By Creating a new Schedular class in the second class I have written code for Application Form

Upload the Screenshot the Milestone / Activities :



The screenshot shows the Salesforce Developer Console interface. The title bar indicates it's running in Google Chrome on a Salesforce developer instance. The main area displays an Apex class named 'applicationschedule'. The code implements the 'Schedulable' interface and contains a single method 'execute' that creates a new 'ApplicationBatchTest' instance and executes a batch job with a timeout of 400 seconds. A note in the code specifies a timeout of 2000ms. The 'Problems' tab at the bottom shows one warning: 'This Apex class has batch or future jobs pending or in progress'. The system status bar at the bottom right shows the date as 18-01-2022 and the time as 21:47.

```
1 public class applicationschedule implements Schedulable{  
2  
3  
4  
5     public void execute(SchedulableContext sc){  
6         ApplicationBatchTest abt = new ApplicationBatchTest();  
7         Database.executeBatch(abt, 400); // 200 to 2000s  
8     }  
9  
10 }  
11  
12  
13  
14  
15 }
```

Name	Line	Problem
applicationschedule	-1	This Apex class has batch or future jobs pending or in progress

Day 8:

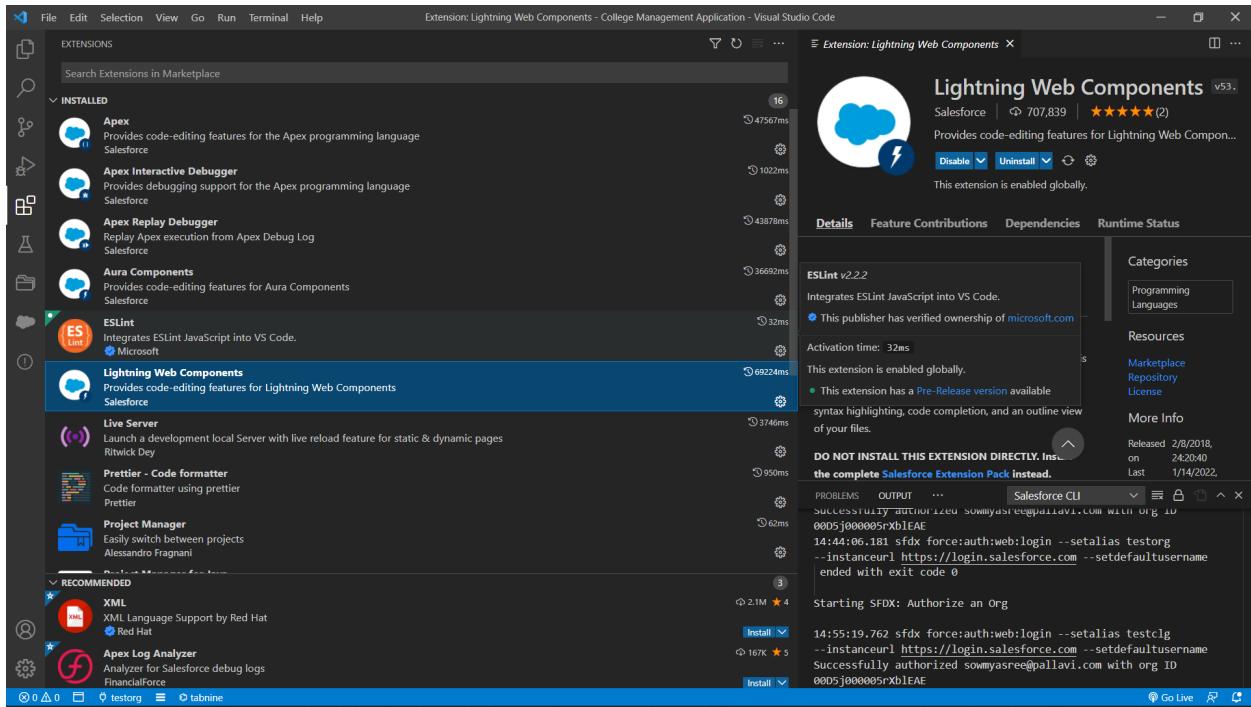
Topic: VisualStudio

Milestone/activities : learnt how to install Visual studio, required packages

Detailed Description:

I Installed Visual Studio and I installed some required packages like "Salesforce CLI Integration","Salesforce Extension Pack","Project Manager","Lightning Web Components".

Upload the Screenshot the Milestone / Activities :



Day 9:

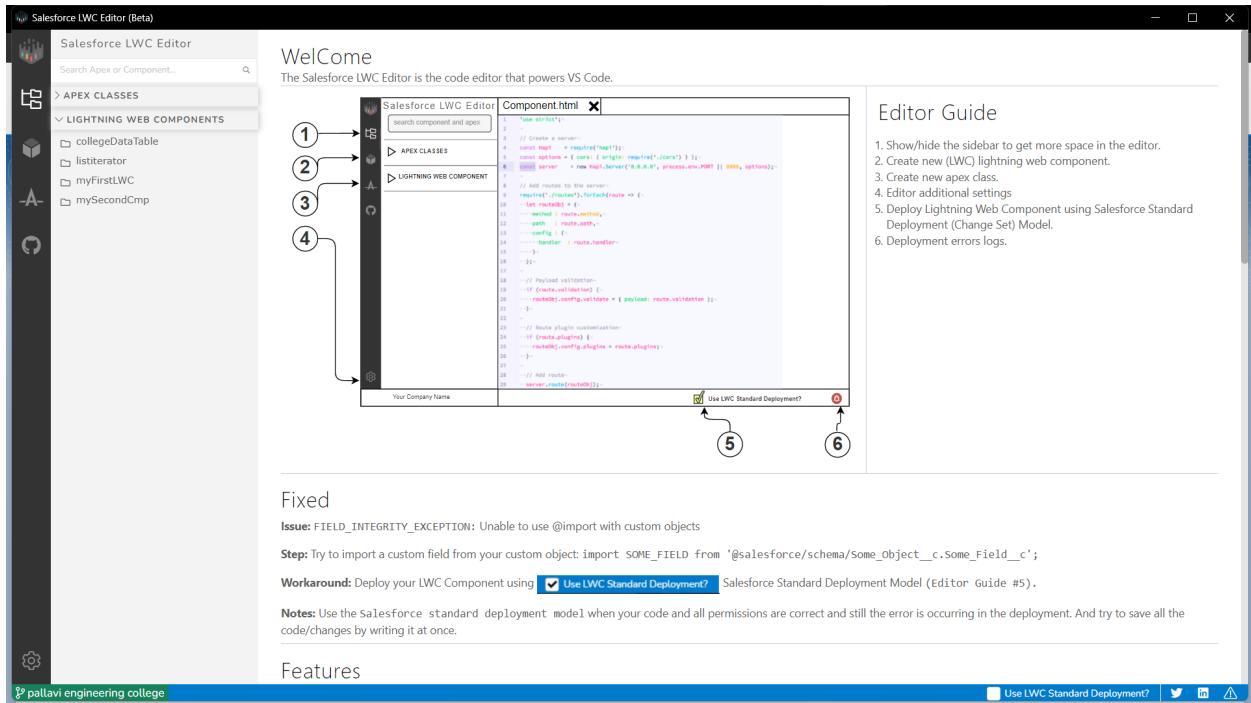
Topic : LWC Salesforce

Milestone/activities : learnt how to install and Develop LWC Salesforce

Detailed Description:

I installed LWC Salesforce and i tried to develop my HTML,XML and JavaScript languages using this application

Upload the Screenshot the Milestone / Activities :



Day 10:

Topic : Developing collegedatatable using LWC Salesforce

Milestone/activities: learnt how to develop collegedatatable through LWC Salesforce

Detailed Description:

I used LWC Salesforce for developing collegedatatable and I used HTML,JavaScript,JS-meta.xml and created a class on GetapplicationDetails in Lightning Web Components

Upload the Screenshot the Milestone / Activities :

The screenshot shows the Salesforce LWC Editor interface. On the left is a sidebar with icons for Apex Classes, Lightning Web Components, and other components. The main area displays the code for `collegeDataTable.html`. The code includes an `<template>` block containing an `<h1>` tag and a `<lightning-datatable>` component. The `<lightning-datatable>` component has attributes like `key-field="id"`, `data={recordList}`, `show-row-number-column`, `hide-checkbox-column`, and `columns={columnsList}`. There are also `<template if:true={error}>` blocks with `{error}` placeholder text. Below the code editor is a "Result Panel" showing deployment logs:

Log Message	Date
1 collegeDataTable.html successfully deployed source	1/18/2022 5:03:43 PM
2 collegeDataTable.js successfully deployed source	1/18/2022 5:03:43 PM
3 collegeDataTable.js-meta.xml successfully deployed source	1/18/2022 5:03:43 PM

At the bottom of the editor, there is a footer bar with the text "pallavi engineering college" and several small icons.

```
<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>{error}</error>
</template>
</template>
```

Salesforce LWC Editor (Beta)

Salesforce LWC Editor

Search Apex or Component... collegeDataTable.html collegeDataTable.js collegeDataTable.js-meta.xml GetapplicationDetails.cls

APEX CLASSES

- ApplicationBatchTest
- applicationschedule
- GetapplicationDetails

LIGHTNING WEB COMPONENTS

- collegeDataTable
 - collegeDataTable.html
 - collegeDataTable.js
 - collegeDataTable.js-meta.xml
- listIterator
- myFirstLWC
- mySecondCmp

```
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 : 'Student Name' , 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 }
}
Result Panel
1 collegeDataTable.html successfully deployed source 1/18/2022 5:03:43 PM
2 collegeDataTable.js successfully deployed source 1/18/2022 5:03:43 PM
3 collegeDataTable.js-meta.xml successfully deployed source 1/18/2022 5:03:43 PM
```

Use LWC Standard Deployment? |

pallavi engineering college

Salesforce LWC Editor (Beta)

Salesforce LWC Editor

Search Apex or Component... collegeDataTable.html collegeDataTable.js collegeDataTable.js-meta.xml GetapplicationDetails.cls

APEX CLASSES

- ApplicationBatchTest
- applicationschedule
- GetapplicationDetails

LIGHTNING WEB COMPONENTS

- collegeDataTable
 - collegeDataTable.html
 - collegeDataTable.js
 - collegeDataTable.js-meta.xml
- listIterator
- myFirstLWC
- mySecondCmp

```
<?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>
```

Result Panel

1 collegeDataTable.html successfully deployed source 1/18/2022 5:03:43 PM
2 collegeDataTable.js successfully deployed source 1/18/2022 5:03:43 PM
3 collegeDataTable.js-meta.xml successfully deployed source 1/18/2022 5:03:43 PM

Use LWC Standard Deployment? |

pallavi engineering college

Day 11:

Topic : Apex class in Salesforce LWC editor

Milestone/activities : I have written a code of apex class using Salesforce LWC editor

Detailed Description:

I went at the left side of the page and there is a notation with "A" symbol after clicking on that symbol I got " Please enter a name for your new Apex class" then I entered "GetapplicationDetails" and then I entered my code in that class

Upload the Screenshot the Milestone / Activities :

The screenshot shows the Salesforce LWC Editor interface. On the left, the sidebar lists various components and classes. The main area displays the code for the `GetapplicationDetails.cls` Apex class. The code retrieves a list of application forms based on a college ID. Below the code, the Result Panel shows successful deployments of three files: `collegeDataTable.html`, `collegeDataTable.js`, and `collegeDataTable.js-meta.xml`, all occurring at 5:03:43 PM on 1/18/2022.

```
public class GetapplicationDetails {
    @AuraEnabled(cacheable=true)
    public static List<Application_Form__c> getapplicationvalues(id CollegeId)
    {
        List<Application_Form__c> formlist = [SELECT ID, College_Fee__c, Name,
        Date_of_Birth__c, Email__c, Hostel_Fee__c, Student_Name__c FROM
        Application_Form__c WHERE College__c =:CollegeId];
        return formlist;
    }
}
```

File	Deployment Status	Date
<code>collegeDataTable.html</code>	successfully deployed source	1/18/2022 5:03:43 PM
<code>collegeDataTable.js</code>	successfully deployed source	1/18/2022 5:03:43 PM
<code>collegeDataTable.js-meta.xml</code>	successfully deployed source	1/18/2022 5:03:43 PM

Day 12:

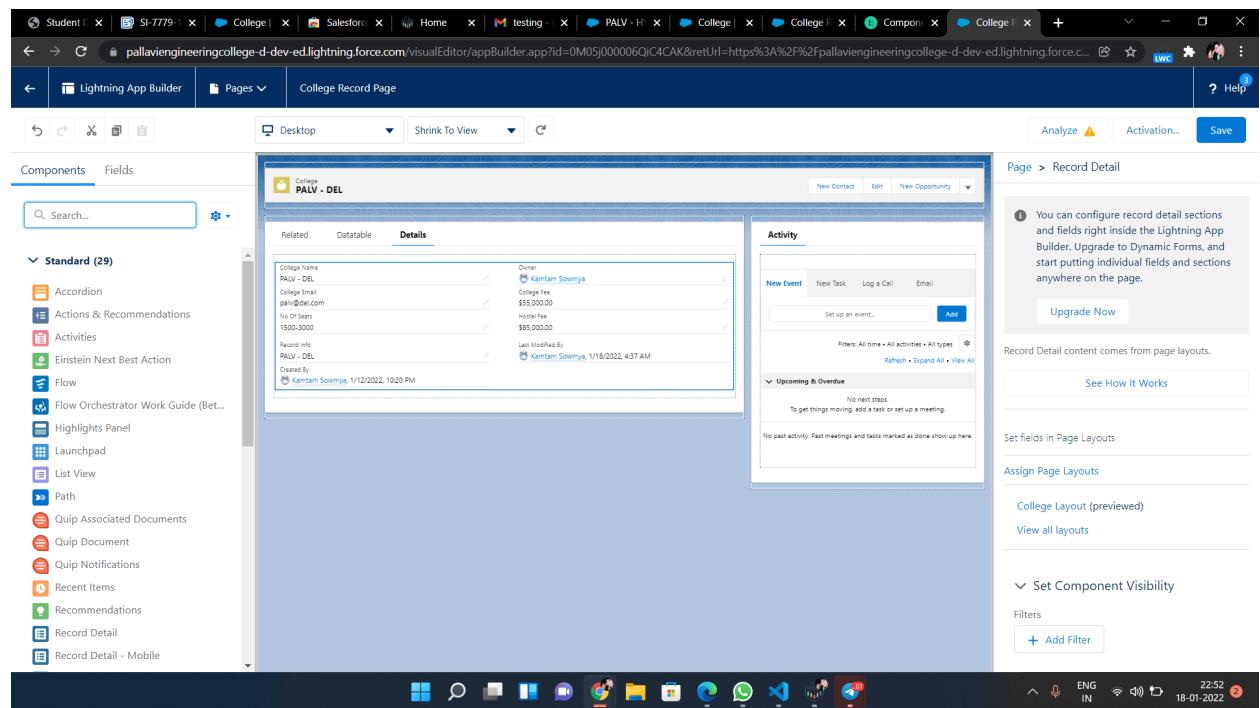
Topic : Component Creation For Application

Milestone/activities : I have created a datatable using Salesforce LWCEditor

Detailed Description:

I have developed some code in Salesforce LWC and I deployed the code after deploying I went to College in College Management and I selected a student in random and after entering the next window I got "page edit" I clicked on it and I added some details like "Related","Details","datatable" and I got the datatable of each and every student in the college section.

Upload the Screenshot the Milestone / Activities :



Student | SI-7779-1 | College | Salesforce | Home | testing | PALV - H | College | College | Component | College | +

pallaviengineeringcollege-d-dev-ed.lightning.force.com/lightning/r/College_c/a005j000007Biq6AAC/view

All Search... Colleges Application Forms Students Subjects

College Management New Contact Edit New Opportunity

College PALV - HYD

Related Datatable Details

College and Application form list table

	Application Form	College Fee	Date Of Birth	Email	Hostel Fee	StudentName
1	Form-00000005	48000	Jan 7, 2000	akhil@gmail.com	45000	AKHIL

Activity

New Event New Task Log a Call Email

Set up an event... Add

Filters: All time • All activities • All types Refresh • Expand All • View All

Upcoming & Overdue

No next steps.
To get things moving, add a task or set up a meeting.

No past activity. Past meetings and tasks marked as done show up here.

22.52 18-01-2022

This screenshot shows a Salesforce Lightning interface for a college management system. The top navigation bar includes links for Student, SI-7779-1, College, Salesforce, Home, testing, PALV - H, College, College, Component, College, and a plus sign. The current page URL is pallaviengineeringcollege-d-dev-ed.lightning.force.com/lightning/r/College_c/a005j000007Biq6AAC/view. The main header has a cloud icon, the title 'College Management', and a search bar. Below the header, there are tabs for 'Related', 'Datatable', and 'Details'. The 'Datatable' tab is selected, displaying a table titled 'College and Application form list table' with columns: Application Form, College Fee, Date Of Birth, Email, Hostel Fee, and StudentName. One row is shown with values: Form-00000005, 48000, Jan 7, 2000, akhil@gmail.com, 45000, AKHIL. To the right of the table is an 'Activity' sidebar with sections for 'New Event', 'New Task', 'Log a Call', and 'Email'. It includes a 'Set up an event...' button and a 'Add' button. Below these are filters for 'All time', 'All activities', 'All types', and buttons for 'Refresh', 'Expand All', and 'View All'. A section titled 'Upcoming & Overdue' indicates 'No next steps.' and 'To get things moving, add a task or set up a meeting.' At the bottom, a status bar shows the time as 22.52 and the date as 18-01-2022.

Day 13:

Topic : Result

Milestone/activities : I have created my first salesforce application

Detailed Description :

I have created my first application and it is running successfully, without any errors

Upload the Screenshot the Milestone / Activities :

