

PROJECT TITLE : COLLEGE MANAGMENT APPLICATION

Day 1 :

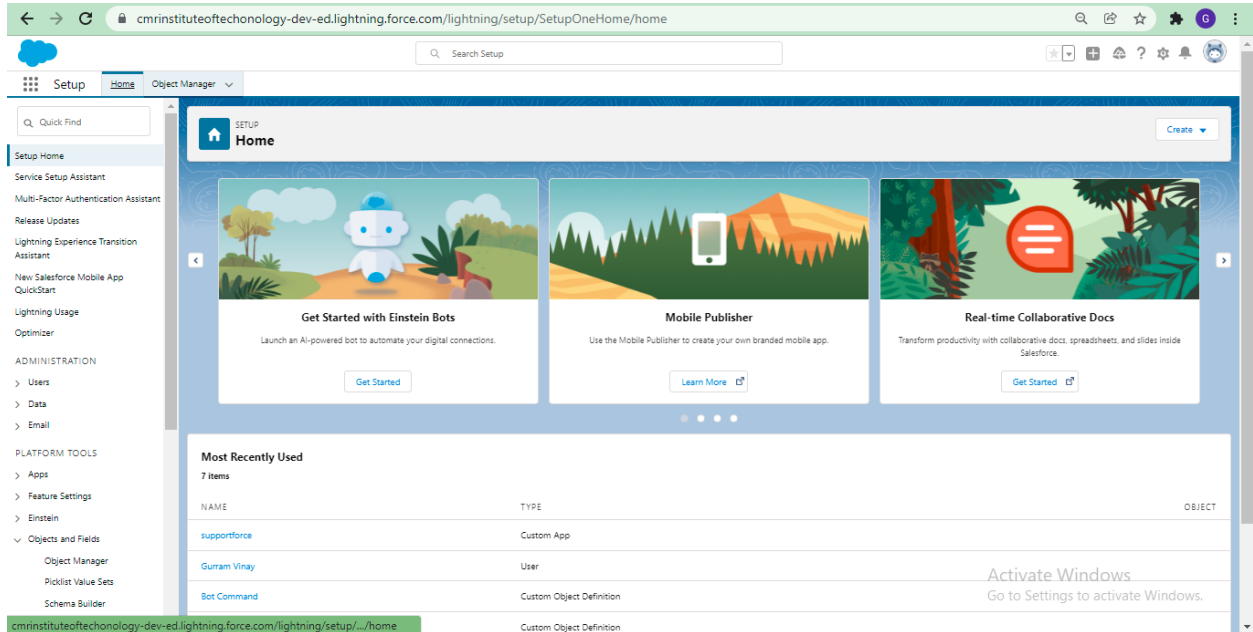
Topic: Creating the Developer account

Milestone / Activities: Creating the Developer account

Detailed Description:

I have Linked the salesforce by my own account which the developer type org

Upload the Screenshot the Milestone / Activities :



Day 2 :

Topic: Creating Custom Objects and Fields

Milestone / Activities: Creating Custom Objects and Custom Fields for the College Management application.

Detailed Description:

I have First four custom objects those are:

College

Application Form

Student

Subject

Then I have created the custom fields which are to there custom objects:

College Object:

Field Name	Data Type	Requir ed	Values
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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		blr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in del@mit.co.in
Capacity Of Students	Picklist		500-1000, 1000-2500, 2500-6000, 6000-10000

Application Form object:

Field Name	Data Type	Required	Values
Application Form ID	Auto number		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=Unchecked)		
Ready To Join	Checkbox(default=Unchecked)		
Student Name	Text(30)	Yes	
Phone	Phone	Yes	

Subject object:

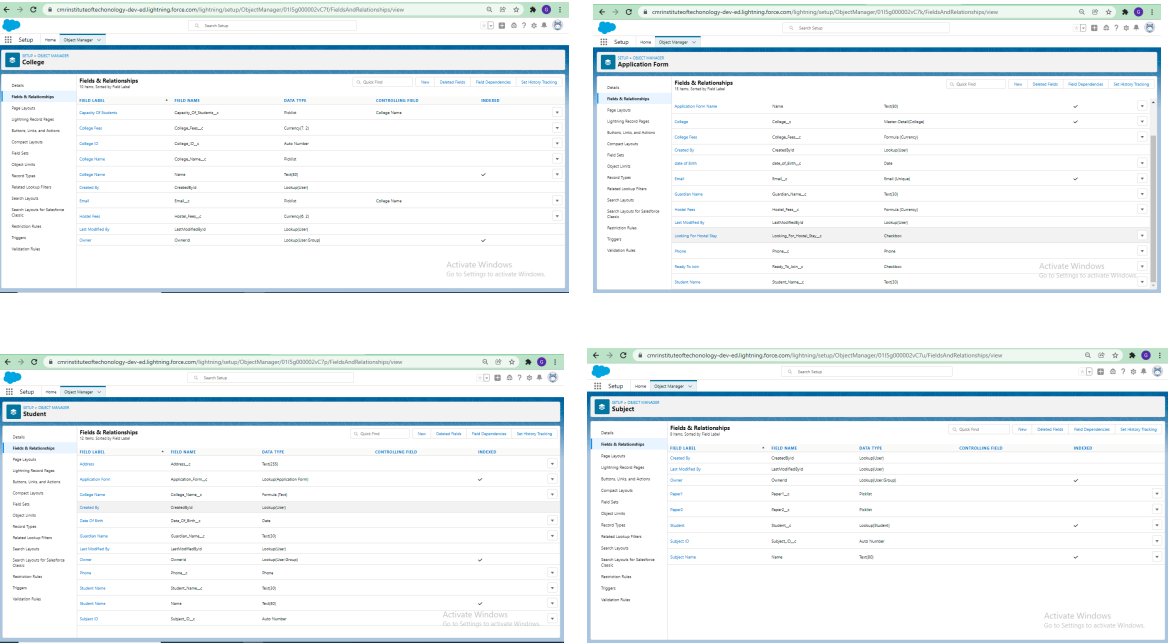
Field Name	Data Type	Required	Values
Subject ID	AutoNumber		S-{000000} Starting Number=1

Paper 1	Picklist(Refer Business Logic Milestone)		
Paper2	Picklist(Refer Business logic Milestone)		
Student	Lookup(Student)		

Subject 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	

Upload the Screenshot the Milestone / Activities:



Day 3 :

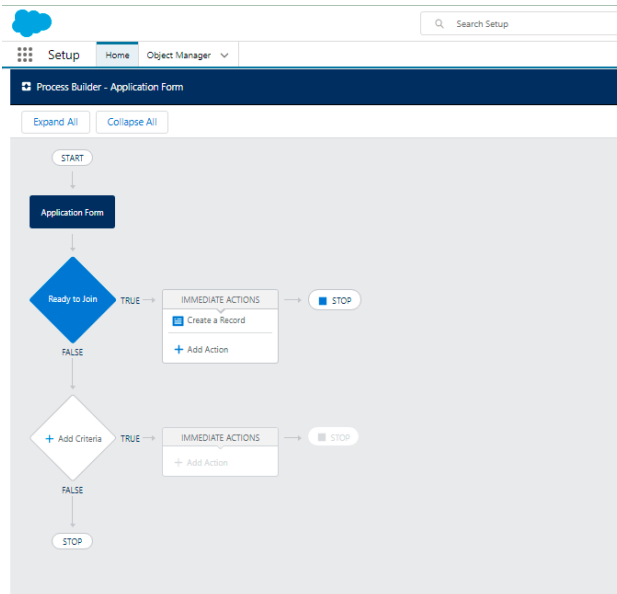
Topic: Logic and rules

Milestone / Activities: Setting up the Rules to the fields

Detailed Description:

I have completed Field Dependence ,then Validation rule to the College record and where it is just matching weather the college name and Record info is same if not it gives up a error where the next task I have completed the Process Automation by giving he rule to the application form where by the record change by this when ever the "Ready to join" is checked then we are able to create the student details from there by using the lookup the sharing of the data will e possible .Then created the records for the college object.

Upload the Screenshot the Milestone / Activities :



Day 4 :

Topic: Completing the formula

Milestone / Activities: Completed the process

Detailed Description:

I have Completed by giving correct details to the field which it required and where I have also completed the linking the data into the other object by Master-Detail and Lookup attachment where I have created the colleges records and application where I have also tested the process builder weather it is saving or not and I have also cross checked weather it is correct and I have changed few unwanted data in the all the objects Page layouts.And new validation rule in the application form which will not allow us to change the student details once all are created.

Upload the Screenshot the Milestone / Activities:

Board Info	College Fee	Hostel Fee	Capacity Of Students
1. MP-1	\$10,000.00	\$5,000.00	100-400
2. MP-2	\$10,000.00	\$5,000.00	100-400
3. MP-3	\$10,000.00	\$5,000.00	100-400
4. MP-4	\$10,000.00	\$5,000.00	100-400
5. MP-5	\$10,000.00	\$5,000.00	100-400
6. MP-6	\$10,000.00	\$5,000.00	100-400

Application ID	1-00001	College Fee	\$140,000.00
Student Name	G Vinay	Hostel Fee	\$50,000.00
Guardian Name	G Kumar	Living In Hostel	Yes
Age of Son	6/2/2000	Ready To Join	Yes
Address	103 Sai Shakti Towers, Shiva Shakti Nagar, Moosapet, Hyderabad - 500018		
College	MP-1	Phone	(970) 183-3835
Created By	Gurram Vinay	Last Modified By	Gurram Vinay

Application Form ID	G Vinay	Owner	Gurram Vinay
Students Name	G Kumar	Date Of Birth	6/2/2000
Guardian Name	G Kumar	Phone	(970) 183-3835
Address	103 Sai Shakti Towers, Shiva Shakti Nagar, Moosapet, Hyderabad - 500018		
Created By	Gurram Vinay	Last Modified By	Gurram Vinay

Application Form Validation Rule

[Back to Application Form](#)

Validation Rule Detail		Edit	Clone	Active	<input checked="" type="checkbox"/>	
Rule Name	No_Modification_should_be_done					
Error Condition Formula	AND(Ready_To_Join__c == true, OR(ISCHANGED(Address__c), ISCHANGED(College__c), ISCHANGED(date_of_Birth__c), ISCHANGED(Email__c), ISCHANGED(Guardian_Name__c), ISCHANGED(Phone__c)))					
Error Message	stop any modification on the application form once a student record is created.				Error Location	Top of Page
Description						
Created By	Gurram Vinay				Modified By	Gurram Vinay

Day 5 :

Topic: Flow Builder

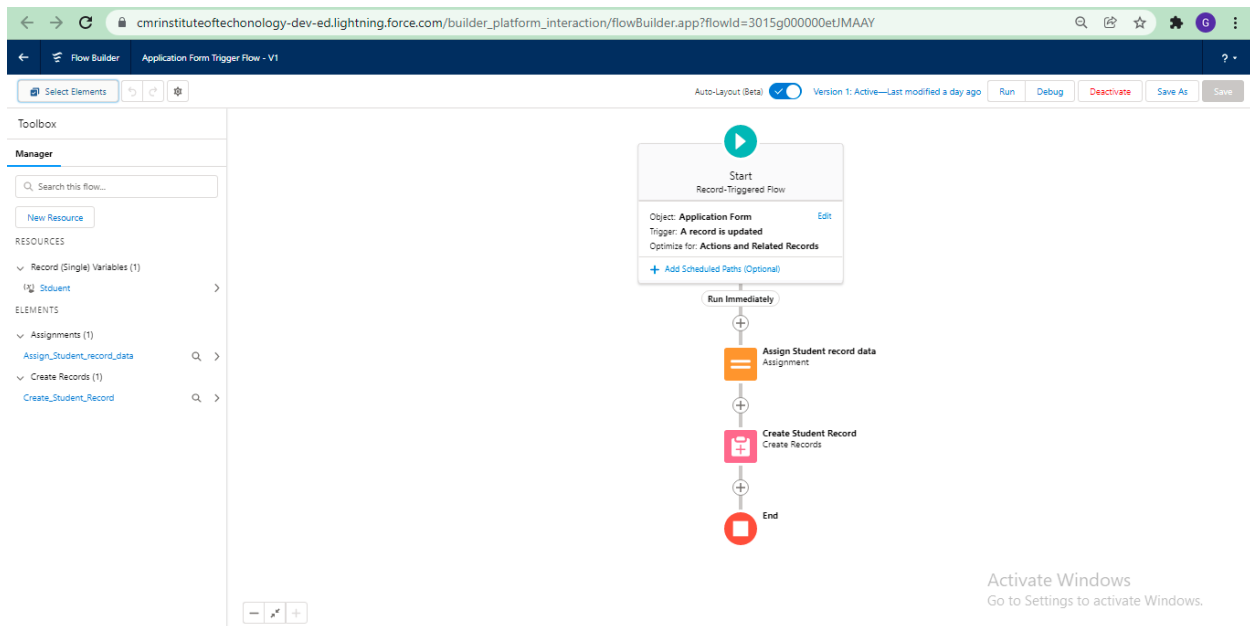
Milestone / Activities: Flow Builders

Detailed Description:

I have learned the difference between the process builder and flow builder where I more features of flow builder and where how we can create and save and excute to the fields/objects where I have started doing with our college management app where we have used the management app regrading where we have used when the "ready to join "

checkbox is checked where we could also send the details to the next record that we have a student to join according to there college we need to create the record under that so this will be helping us to clear the people who are able to get in college who are just for the applicant

Upload the Screenshot the Milestone / Activities:



Day 6 :

Topic:Apex

Milestone / Activities:Learning About Apex

Detailed Description:

I am learning who apex is working with our records in our real time fields where what are new different types of apex functions :

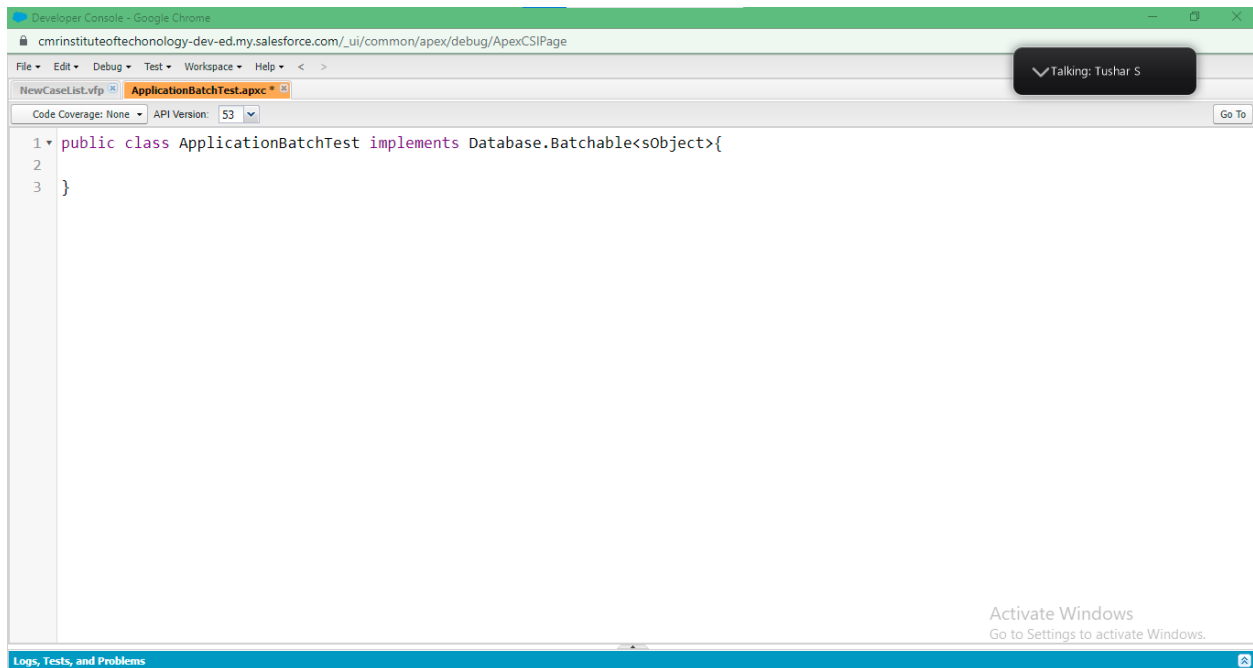
Apex Class

Apex Triggers

Apex test

these are all new things which I have learned and where I have created that the apex class name "applicationbatchtest " where I that we have learned what are things need to be added

Upload the Screenshot the Milestone / Activities:



Day 7 :

Topic:Batch class Apex coding

Milestone / Activities:How to use Apex in real time

Detailed Description:

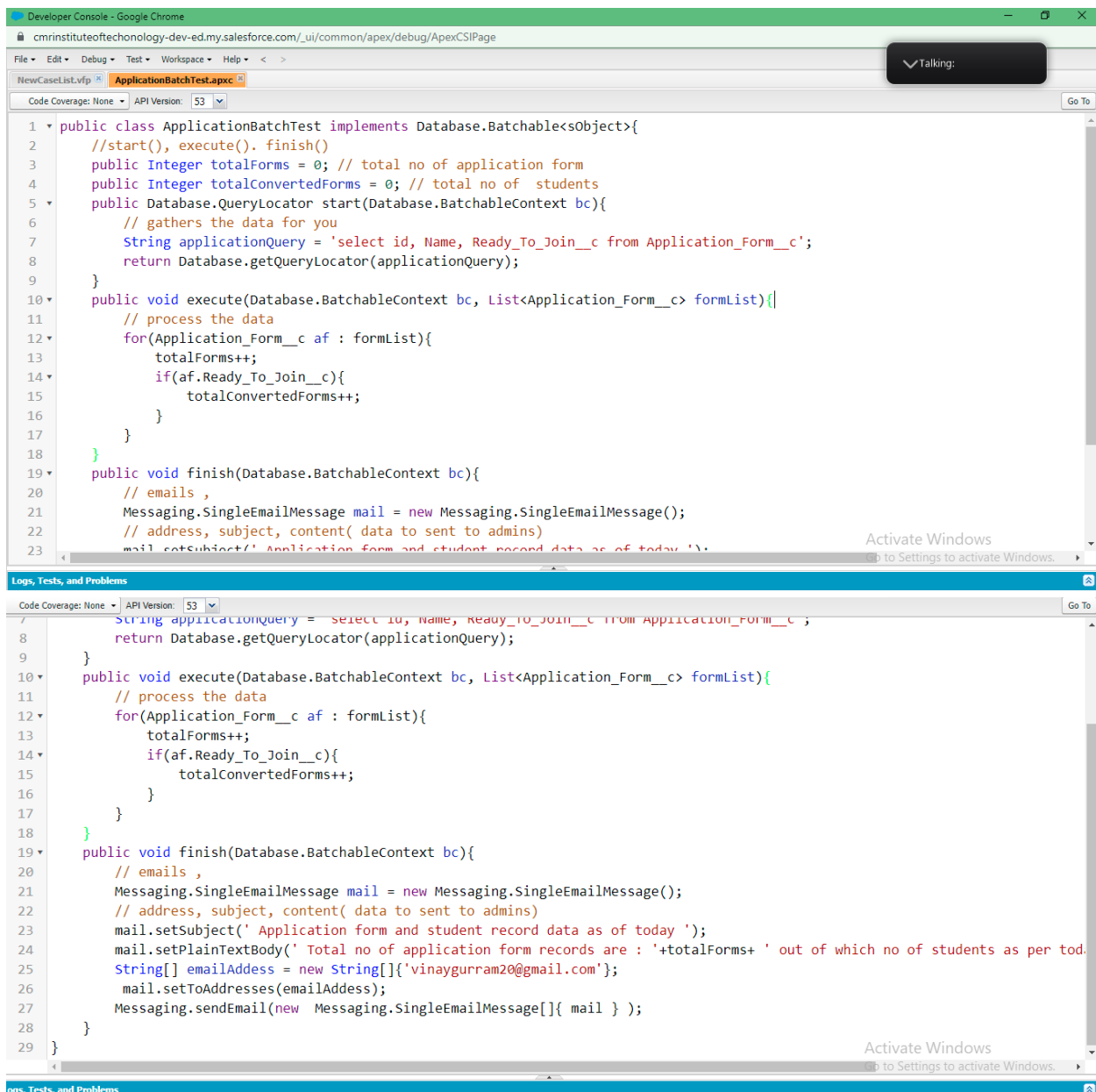
I have learned about the batch class where we use the these things to get the application filter and to test them where with the actual records and where we have few things in the start,excute and finish where we will able to complete the coding than we have to start where in this we will be entering the object in which we are trying to test it out where we use this things to excute the required objects in this where we will be also using of the coding part where we use the complete process by applying the required thing and this is used to complete where at the finish we will be using this type of command lines where the output of this will be giving us the output where let it can be as email where we need to give the our email id so the we can get the mail once if we excute successfully and where in the each :

Start: where in this we use the String as the datatype so that the entries thing will be entered in the string format will be entries under the things where in this the query will be copied

Excute:where in this we use the things which are needed to be working on the field in the object in which we will be getting in that where we will be using few conditions statement where we will be using the that to check the conditions and where we will be getting the things under which we are able to get things done where looping statement

to complies with all the multiple records where after complete the process
Finish:where we will be having the last step in that we can entire the output we want to
where this we will be sending the email where we use the email notification using the
condition matches and where through which we could excute that and finish will be
done.

Upload the Screenshot the Milestone / Activities:



```
1 public class ApplicationBatchTest implements Database.Batchable<SObject>{
2     //start(), execute(). finish()
3     public Integer totalForms = 0; // total no of application form
4     public Integer totalConvertedForms = 0; // total no of students
5     public Database.QueryLocator start(Database.BatchableContext bc){
6         // gathers the data for you
7         String applicationQuery = 'select id, Name, Ready_To_Join__c from Application_Form__c';
8         return Database.getQueryLocator(applicationQuery);
9     }
10    public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
11        // process the data
12        for(Application_Form__c af : formList){
13            totalForms++;
14            if(af.Ready_To_Join__c){
15                totalConvertedForms++;
16            }
17        }
18    }
19    public void finish(Database.BatchableContext bc){
20        // emails ,
21        Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
22        // address, subject, content( data to sent to admins)
23        mail.setSubject(' Application form and student record data as of today ');
24        // ... (rest of the finish method code) ...
25    }
26 }
```

Day 8 :

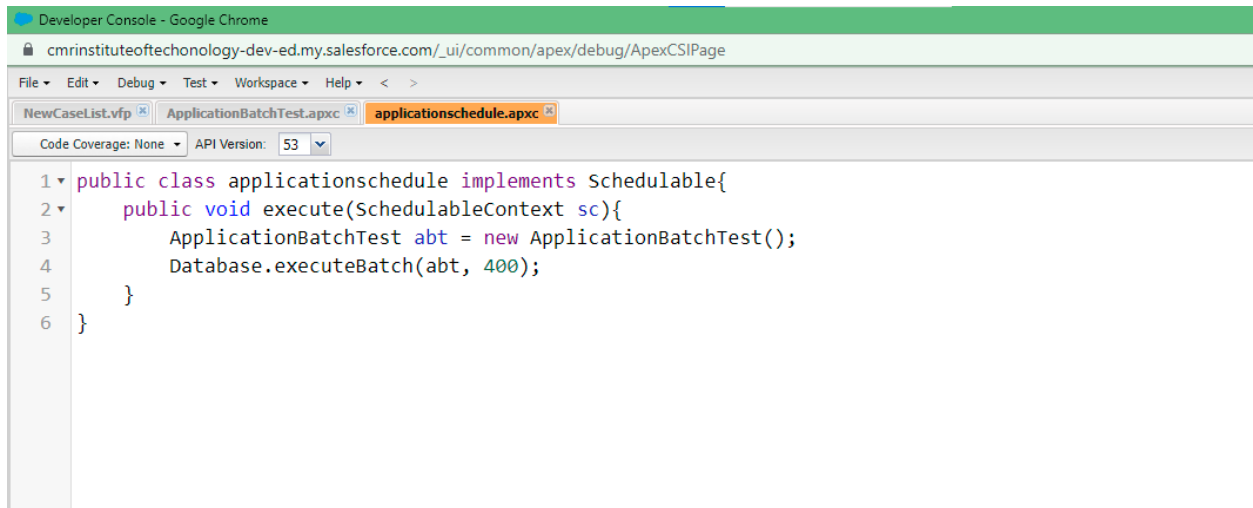
Topic:Apex scheduled

Milestone / Activities: Apex scheduled code

Detailed Description:

I have learned the things we will be using the scheduled code where it will be excute the entered values into the code where we are able to complete the process and where we will e using the following code to excute and where we use the batch class we will be combine them into this so that in this we will be using the excute code where we will be also the getting the solution if there is any error.

Upload the Screenshot the Milestone / Activities:



```
1 public class applicationschedule implements Schedulable{
2     public void execute(SchedulableContext sc){
3         ApplicationBatchTest abt = new ApplicationBatchTest();
4         Database.executeBatch(abt, 400);
5     }
6 }
```

Day 9 :

Topic:LWC

Milestone / Activities:Overview LWC

Detailed Description:LWC is the new programming model where we use to develop the salesforce lighting components,where it is used for the bulidin HTML,Modern Java and Meta Xml in these all three we will be using the page layout to develop the page where to apply we have two methods one is using Visual Studio and where another is using the attachment of chrome with the salesforce LWC where in these two methods we need to join our salesforce orgs in these and where we are able to convert the using code to download to our web lighting app where we are able to edit the code inside the VS or LWC and where the java is used for the coding purpose and where we use the HTML we use for the page editing and where we use the same code for web page.

Upload the Screenshot the Milestone / Activities:



Content

- What is LWC
- Why LWC
- Advantages of LWC
- Familiar with LWC coding
- Software needed for LWC
- Familiar with Javascript
- Create your first component
- Data binding
- Applying CSS
- Conditional rendering
- Looping & iterations
- Javascript properties
- Life cycle hooks
- Event communication
- Working with salesforce data
- Introduction to LDS
- Apex class with LWC
- Navigation Services
- Datatable Programs



Tutor's

Day 10 :

Topic:Visual Studio

Milestone / Activities:Visual Studio connecting to our salesforce org.

Detailed Description:

Where I have learned how to install the all salesforce extension files to perform this LWC using the Visual Studio and where after installing what are the things which we need to do for linking the our orgs to the visual studio and where we will be using the authentication through the online and where after the authentication complete we will be using the complete things to show the required things where all the directors of the apex and all things we will be able to see and where after the linking up we need to create a new Apex Class for creating the apex code for College Data-table where we will be using the complete linking of the code from the records of object from the "Application form" and where we will be using the complete the code by getting the data from the object.

Upload the Screenshot the Milestone / Activities:

The screenshot displays the Visual Studio Code interface. On the left, the Explorer pane shows the project structure. The main editor area is split into two panes. The top pane shows the 'Salesforce CLI Integration' extension page, which includes details about the extension and its status. The bottom pane shows the 'GetApplicationDetails.apxc' file, which 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, Phone__c, Student_Name__c FROM
9         Application_Form__c WHERE college__c =:CollegeId];
10
11         return formlist;
12     }
13 }
14 }
```

The bottom pane also shows the 'Problems' tab, which is currently empty. The status bar at the bottom indicates 'Activate Windows' and 'Go to Settings to activate Windows.'

Day 11 :

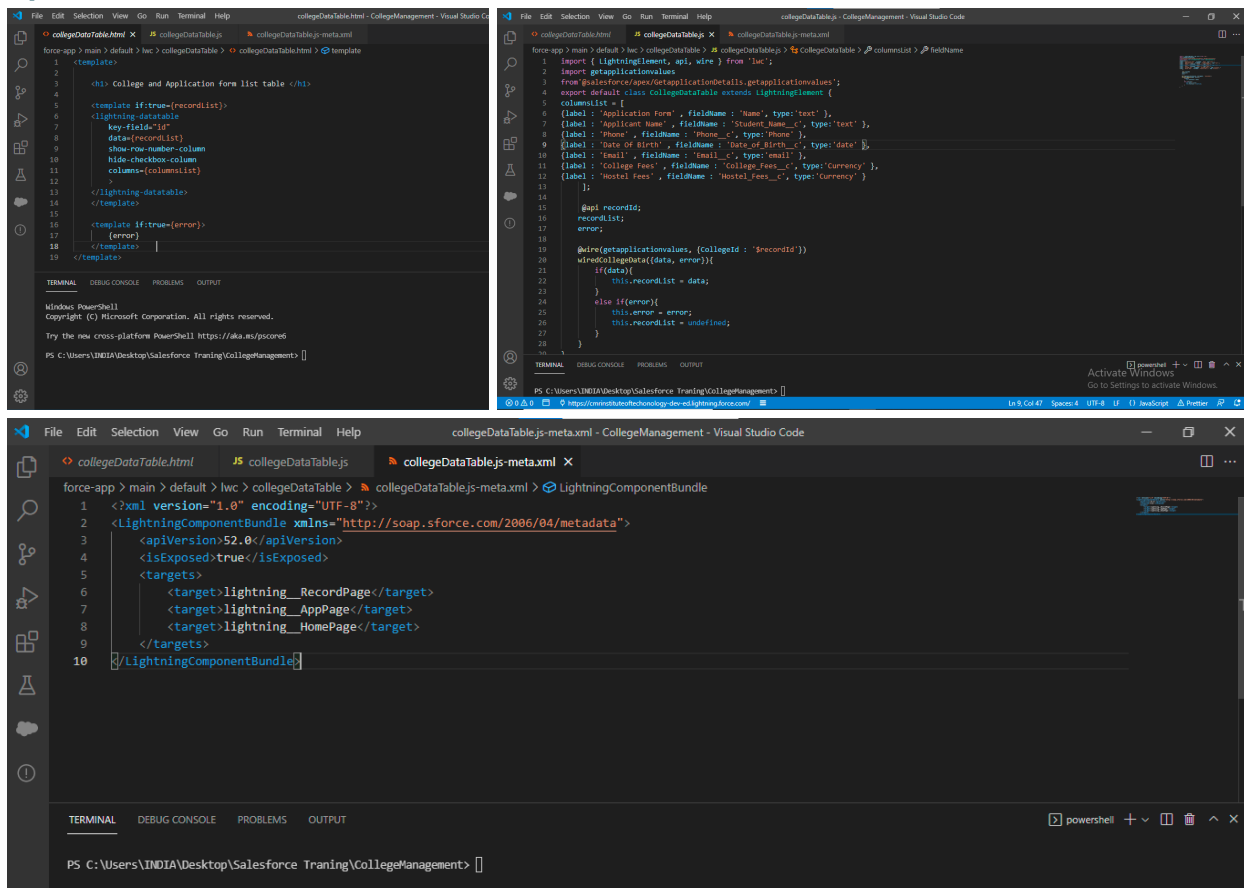
Topic:LWC

Milestone / Activities:Creating LWC using Visual Studio

Detailed Description:

Where I have learned how to create the Html ,Java and meta Xml where now we will be writing the code to run the application where we will be using the html code for the display where we will be using the java code to get the details of the apex class and use them in this line of lighting component where we will be using the all data from the application form and where we will be sorting it our with all the things which are required where we will be using the code to display if any error occurs then it will be giving us the empty space and where we need to check that code and where we will be using the meta xml for the background where we need to keep the targets to be the three pages where these will be used for the achievement of the things after the completion of the code where we need to run if no error .

Upload the Screenshot the Milestone / Activities:



Day 12 :

Topic: College DataTable

Milestone / Activities: Creating the Lighting component in the college app page

Detailed Description:

I have completed the code and where we will be linking the code into the the college page first we need to go the college object and where after the clicking towards the setting symbol at the right top we will be able to see the edit page after clicking that we are able to see the app builder where in these we need to add the custom component which we have created and we need to add into the new table where data table in that we need to add then after the saving the page where we need set as org and where we use the desktop and mobile and where we can set the activation and after going to the object again we see the under college object into particular layout we can see the required solution to that where Data table will be displaying the Headings.

Upload the Screenshot the Milestone / Activities:

The screenshot displays the Salesforce Lightning App Builder interface for configuring the 'College Record Page'. The interface is divided into several sections:

- Components:** A sidebar on the left lists various components like Accordion, Actions & Recommendations, Activities, Einstein Next Best Action, Flow, Flow Orchestrator Work Guide, Highlights Panel, Launchpad, List View, Path, Quip Associated Documents, Quip Document, Quip Notifications, Recent Items, Recommendations, Record Detail, Record Detail - Mobile, Related List - Single, Related List Quick Links, and Related Links.
- Fields:** A section for defining the data table structure, showing columns for Application Form, Applicant Name, Phone, Date of Birth, Email, College Fees, and Hostel Fees.
- Page:** A configuration panel on the right for the 'College Record Page'. It includes fields for Label, Developer Name, Page Type, Record Page, Object, Template, and Description. There are also checkboxes for 'Enable page-level dynamic actions for the Salesforce mobile app' and 'Activate Windows'.
- Activity:** A panel on the right showing options for 'New Event', 'New Task', 'Log a Call', and 'Email'. It includes a 'Set up an event...' button and a 'Filters' section.

The main area of the interface shows a 'Data Table' with the following data:

Application Form	Applicant Name	Phone	Date of Birth	Email	College Fees	Hostel Fees
F-000002	G Vijay	9701833835		vijayguram@gmail...	\$1,800,000.00	80000