# SALESFORCE PROJECT READY ENTRY LEVEL TRAINING PROGRAM

# **Submitted by- SHREYA VERMA**

#### **Day 1:**

# **Topic:**

Account Creation on Salesforce

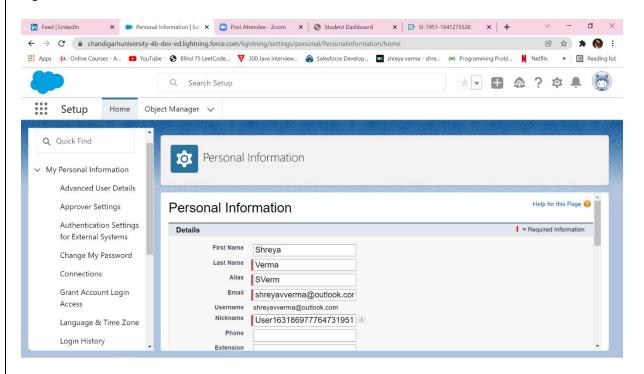
#### **Milestone / Activities:**

Account Created, Org created

#### **Detailed Description:**

Account and org created for salesforce

# **Upload the Screenshot the Milestone / Activities :**



# **Day 2:**

#### **Topic:**

Setting Up First App, Custom Object and Fields Creation

#### **Milestone / Activities:**

Make a custom application, Add Object and Feilds

#### **Detailed Description:**

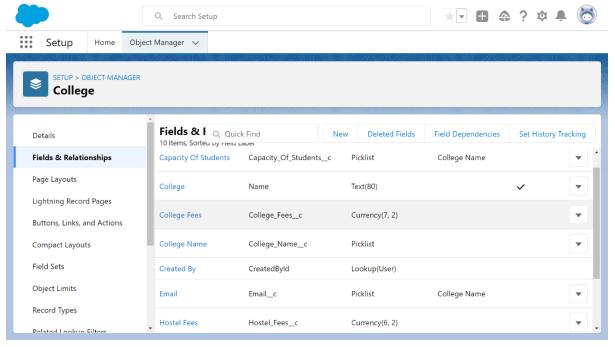
Task is to create a custom salesforce application, Create and Add Custom objects to it.

App Created - College Management Objects Created are -

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

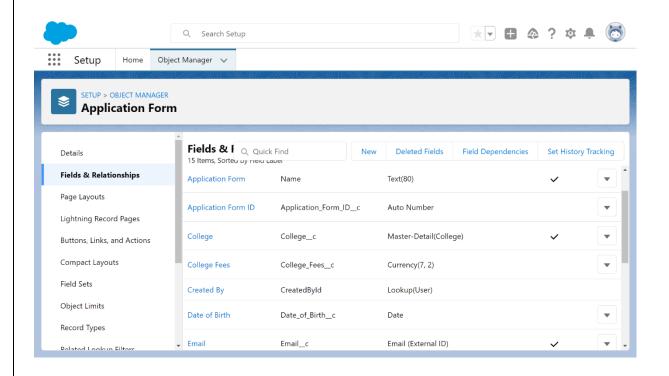
Feilds Created on these custom objects. College-

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		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



# **Fields On 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	Checkbox(default=Uncheck)		
Stay			
Ready To Join	Checkbox(default=Uncheck)		
Student Name	Text(30)	Yes	
Phone	Phone	Yes	



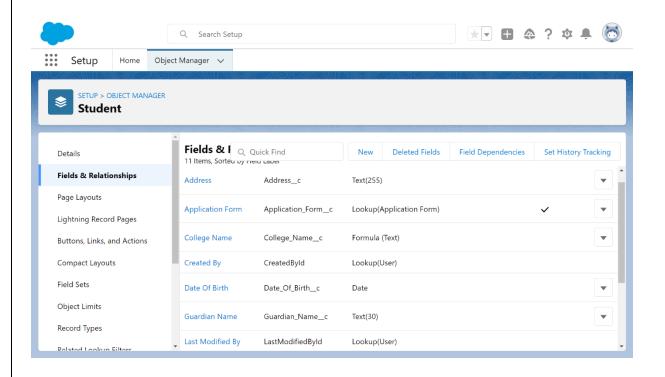
**Day 3:** 

Topic: Continuation of Student and Subject Object-

# Milestone / Activities:

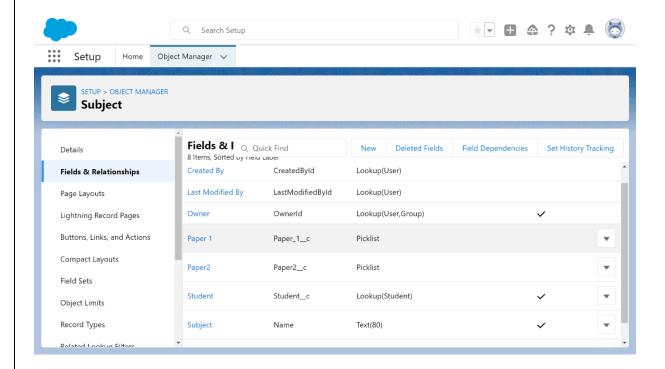
Fields on the student object.

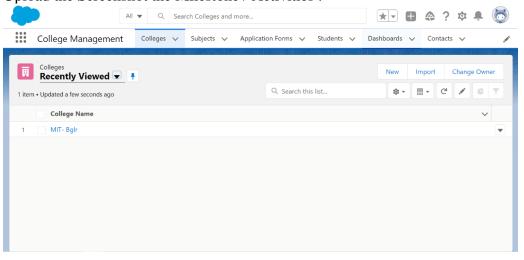
Field Name	Data Type	Required	Values
Student Name	Text		
Address	Text(255)	Yes	
Application Form	Lookup(Application Form)		
College Name	Formula(Text)		
Date Of Birth	Date	Yes	
Guardian Name	Text(30)	Yes	
Phone	Phone	Yes	

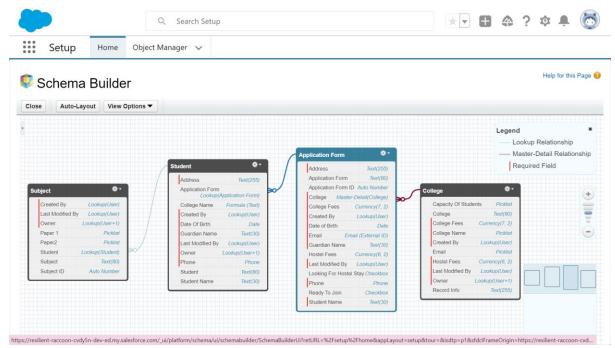


# Fields On the Subject object.

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





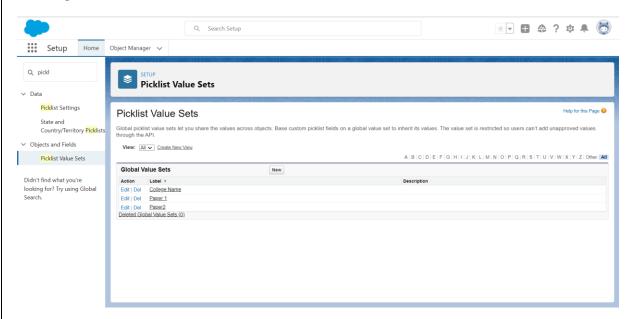


**Day 4:** 

**Topic:** Adding Business Logic To Application

**Detailed Description:** 

Creating Global Picklist Value Sets



global picklist value sets for the application. a)College

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

b)Paper1

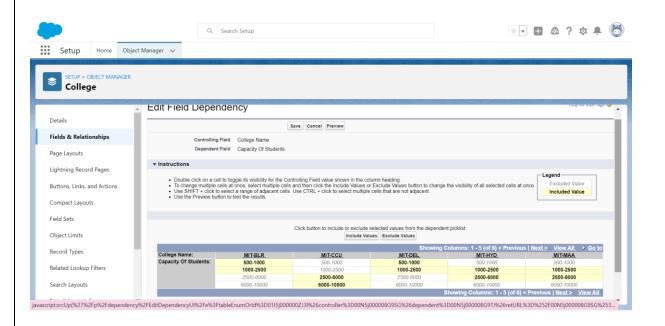
Picklist Value Name	Values
Paper 1	APEX
	JAVA
	C
	C++

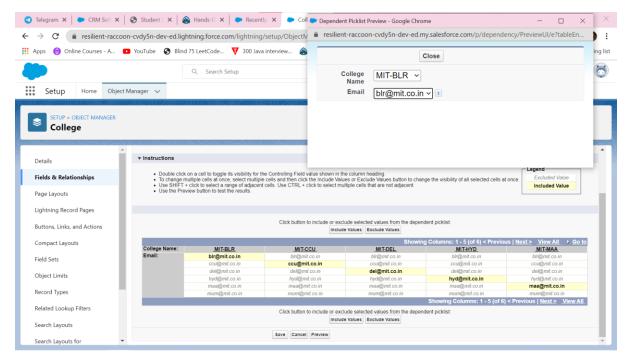
# c)Paper2

Picklist Value Name	Values
Paper2	MATHEMATICS
	ENGLISH
	STATISTICS

#### Creating Field Dependencies

- 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.





Day 5:

# **Topic: Milestone / Activities:**

#### **Creating Validation Rules**

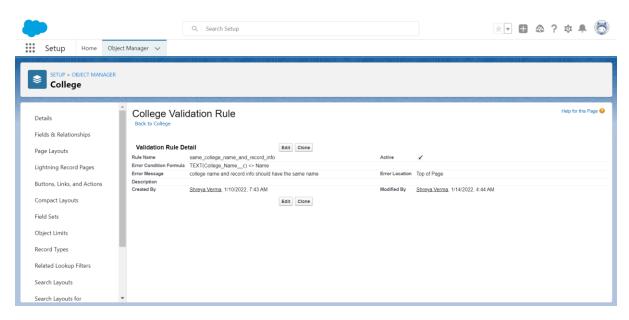
#### **Detailed Description:**

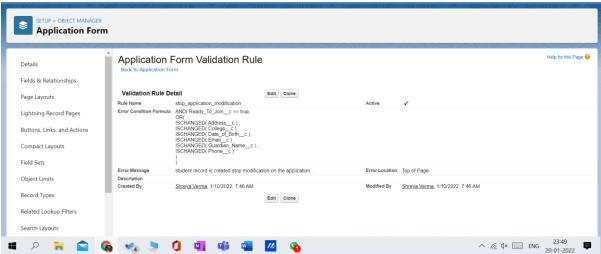
1. Create a validation rule on the college object such that the college name and record info should have the same name.

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.

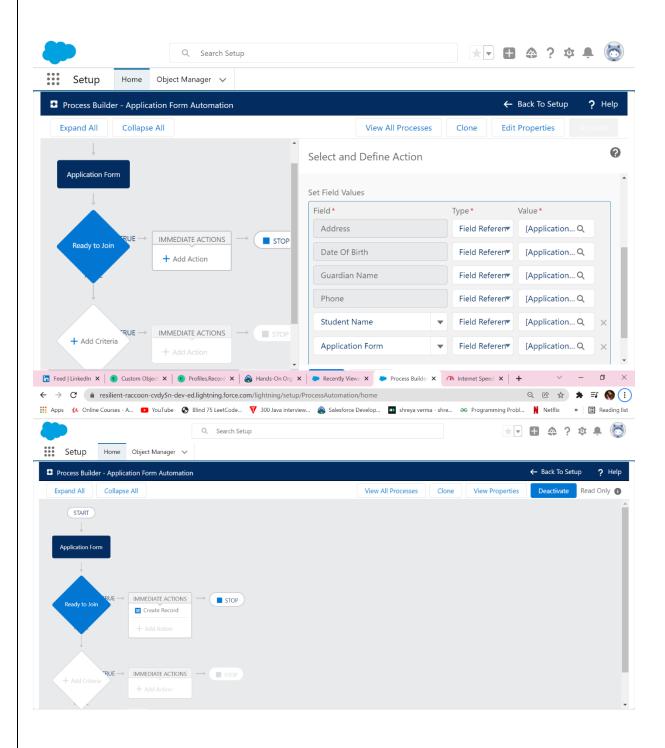
```
AND( Ready_To_Join__c == true, OR(
ISCHANGED( Address__c),
ISCHANGED( College__c),
ISCHANGED( Date_Of_Birth__c),
ISCHANGED( Email__c),
ISCHANGED( Guardian_Name__c),
ISCHANGED( Phone__c)
)
```





#### **Process Automation**

- 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



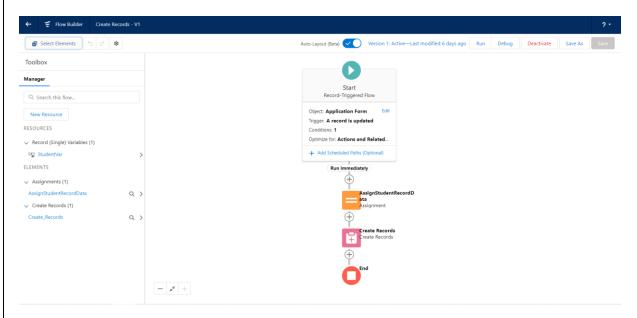
#### **Day 6:**

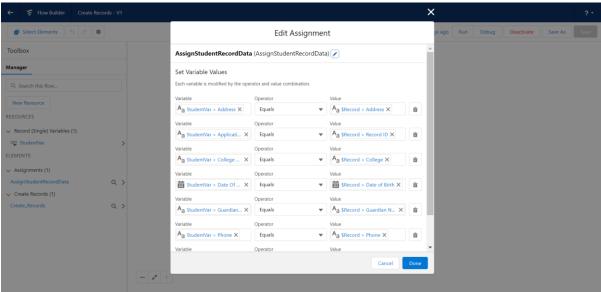
#### **Topic: Milestone / Activities:**

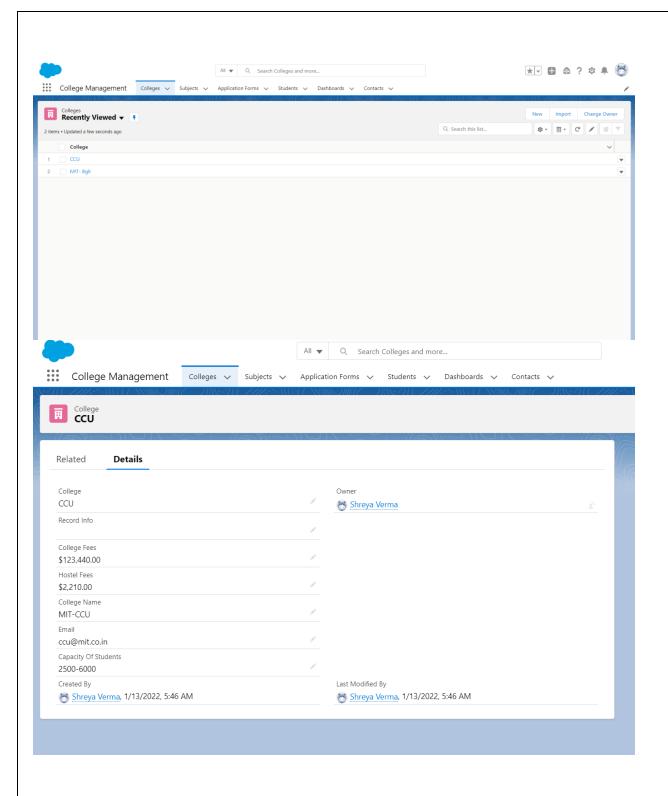
# **Create The Student Record Using Flow**

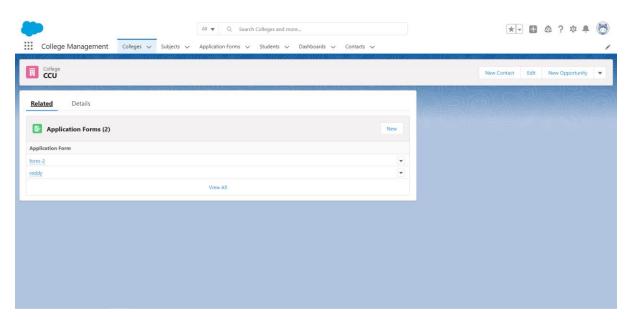
# **Detailed Description:**

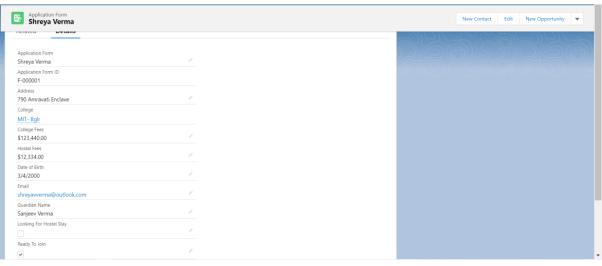
- 1. First deactivate the process builder which we created earlier.
- 2. Now search for flows and select new flow ->record triggered flow
- 3. For object select application form, in configure trigger select when the record is updated for entry criteria select as ready to join equals to true.
- 4. Now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

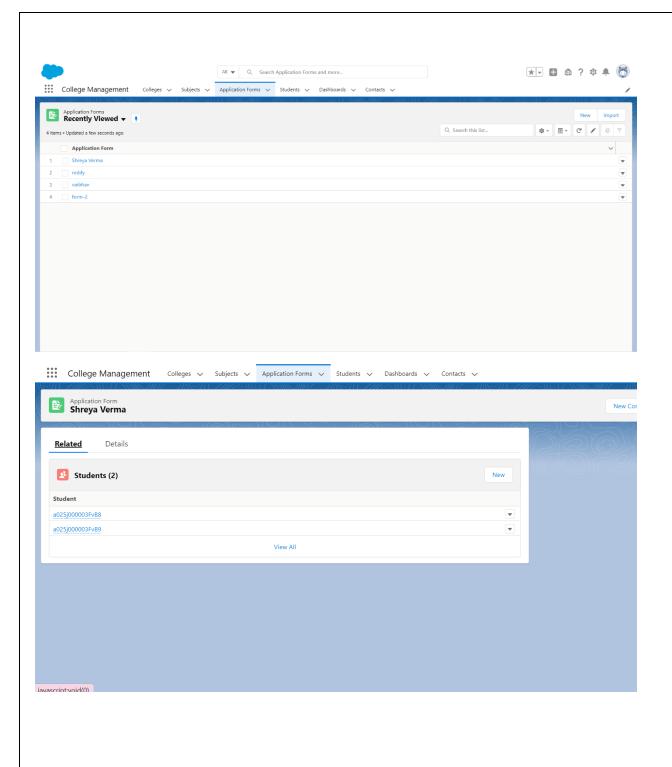












#### **Day 7:**

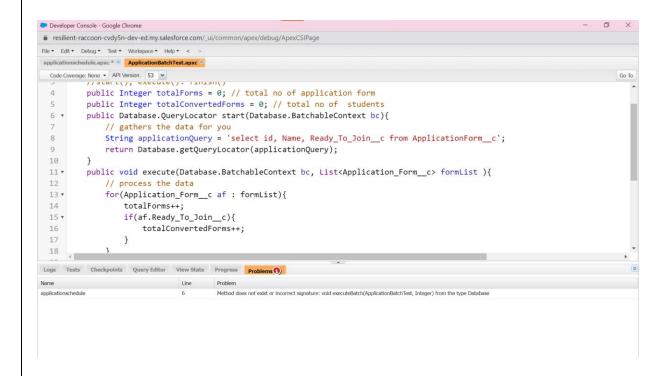
Topic: Batch Apex

Milestone / Activities: Create A Batch apex For Application Form

#### **Detailed Description:**

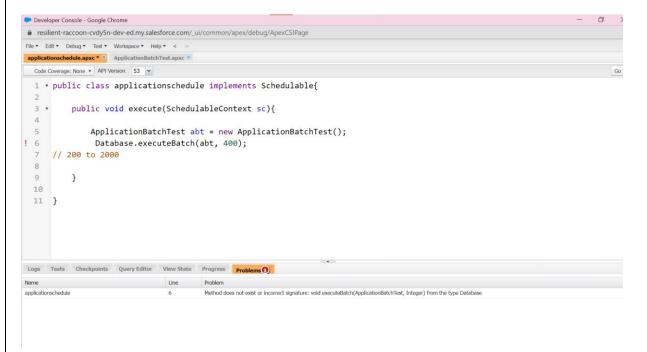
1. From the developer console create a new apex class

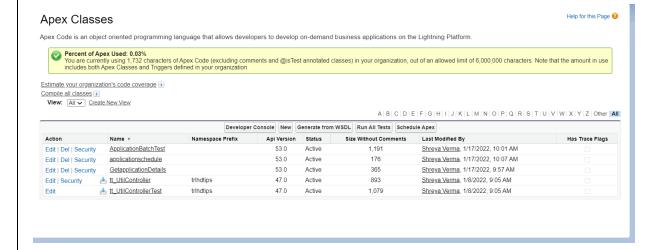
```
public class ApplicationBatchTest {
  //start(), execute(). finish()
  public Integer totalForms = 0; // total no of application form
  public Integer totalConvertedForms = 0; // total no of students
  public Database.QueryLocator start(Database.BatchableContext bc){
    // gathers the data for you
    String applicationQuery = 'select id, Name, Ready_To_Join__c from ApplicationForm__c';
    return Database.getQueryLocator(applicationQuery);
  }
  public void execute(Database.BatchableContext bc, List<Application_Form__c> formList ){
    // process the data
    for(Application Form 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 st
udents as per today : '+totalConvertedForms);
    String[] emailAddess = new String[]{'your email address'};
     mail.setToAddresses(emailAddess);
    Messaging.sendEmail(new Messaging.SingleEmailMessage[]{ mail } );
}
   2.
```



# **Day 8:**

# Topic: Milestone / Activities: Create A Schedular Class





# **Lightning Web Components**

# **Detailed Description:**

**Upload the Screenshot the Milestone / Activities :** 

#### **Day 9:**

**Topic: Milestone / Activities**: Lightning Web Components

**Create College DataTable Component( APEX CLASS)** 

**Detailed Description:** 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.

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

#### Day 10:

**Topic:** Milestone / Activities: Create College DataTable Component (HTML FILE)

# **Detailed Description:**

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#### Day 11:

**Topic: Milestone / Activities:** 

Create College DataTable Component(JAVA SCRIPT FILE)

#### **Detailed Description:**

**Upload the Screenshot the Milestone / Activities :** 

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                                    collegeDataTable....
                                                                                                                                                           @wire(getapplicationvalues, {CollegeId : '$recordId'})
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                                                                                                                                                           wiredCollegeData({data, error}){
                               > objects
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                                                                                                                                                                                              this.recordList = data;
                                                                                                                                                                             else if(error){
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                                                                                                                                                                                               this.error = error;
                           > manifest
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                           > scripts
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```

# Day 12:

**Topic: Milestone / Activities:** 

**Create College DataTable Component(META FILE)** 

# **Detailed Description:**

