SALESFORCE PROJECT READY

Entry Level Training and Professional Development Program

Project : College Management Application

Day-1 :

Topic: Create Your Salesforce Developer Org To Get Started

Milestone/Activities : Creating Developer account, Account activation, Login to your Salesforce Account

Description :

Creating a developer org in salesforce :

1. Go to developers.salesforce.com/
2. Click on sign up.
3. On the sign up form, enter the following details :
    1. First name : Porandla & Last name : Abishek Datta
    2. Email : porandlaabishekdatta03@gmail.com
    3. Role : Developer
    4. Company : Chaitanya Institute of Technology and Science
    5. County : India
    6. Postal Code : 506001
    7. Username : abishek@chaitanya.com

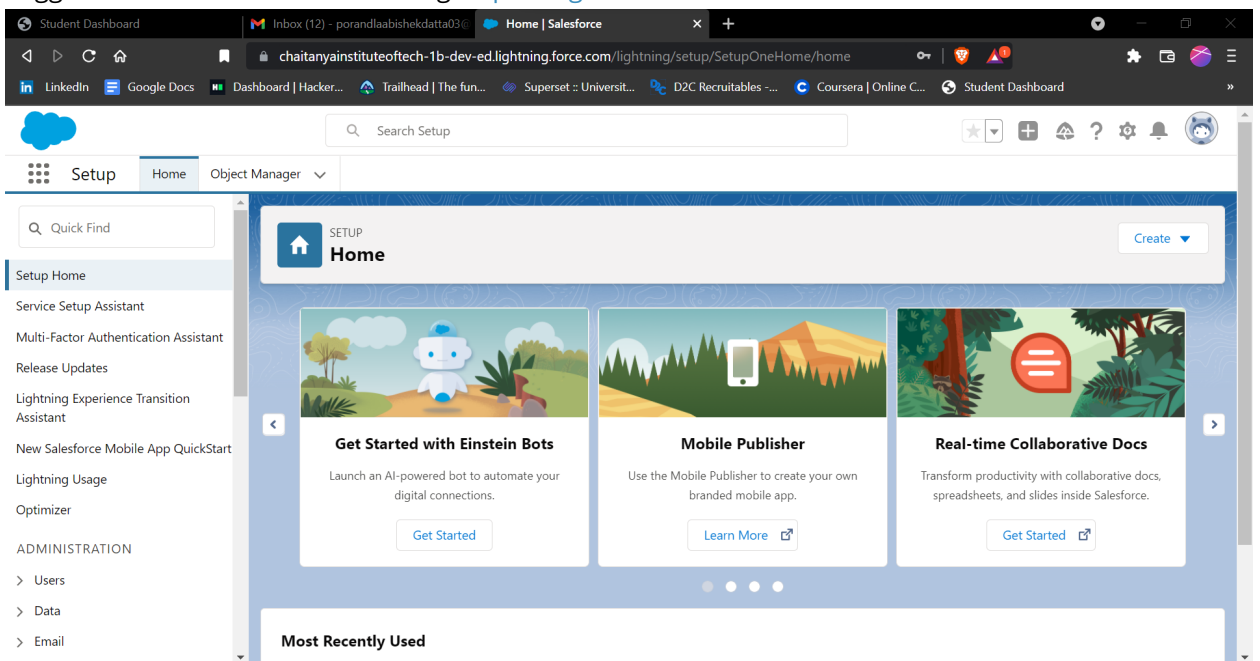Click on sign up after filling these.

Account Activation :
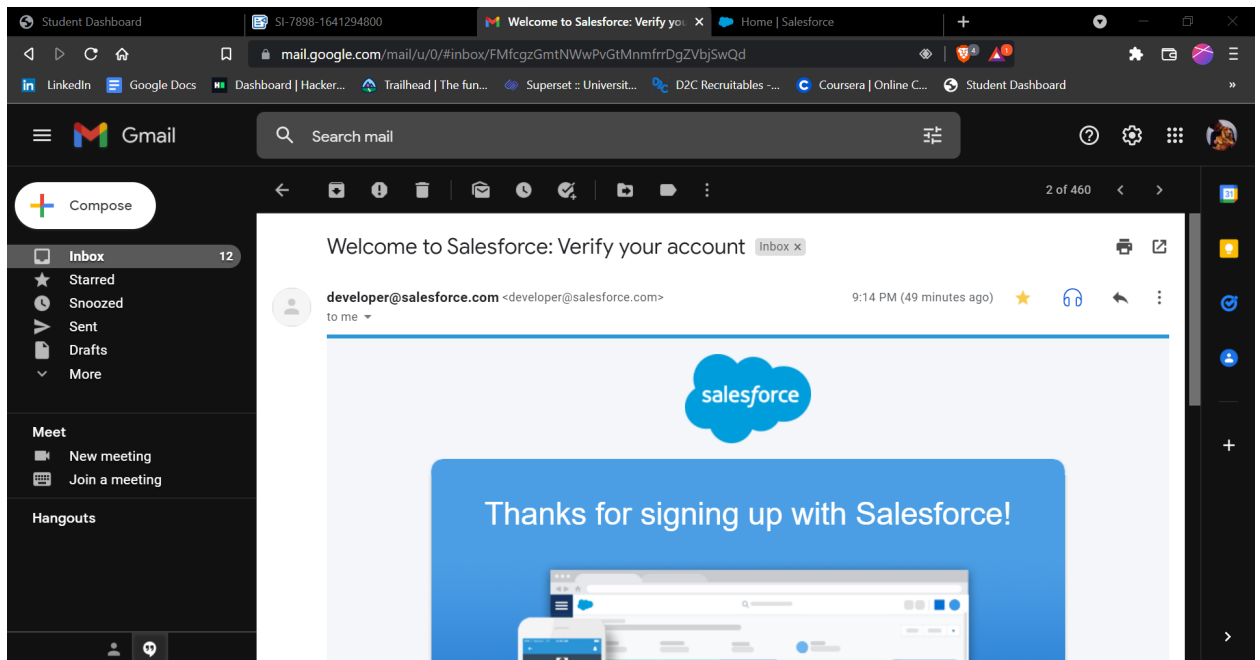
-
- Verified mail account and activated the account.

Login to your Salesforce Customer Account :

➤ Logged into salesforce account using https://login.salesforce.com/ link.

➤

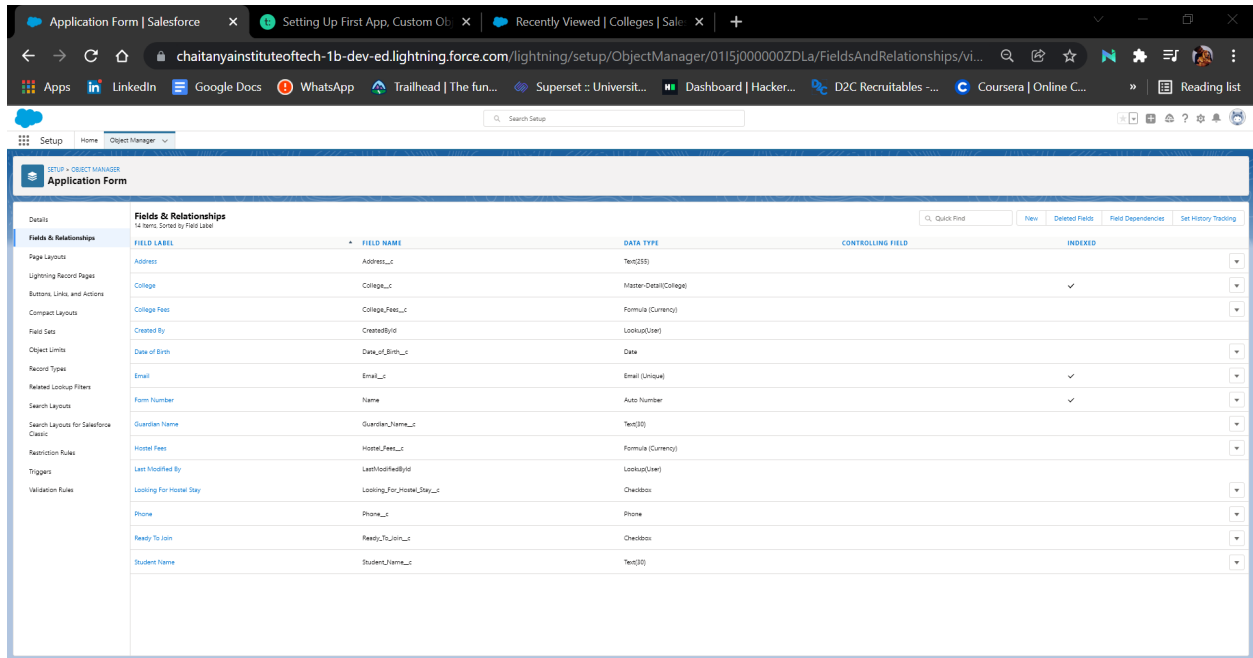**Day-2 :**

Topic: Custom Object Creation

Milestone/Activities : Create the custom objects for the
Application, Create Fields on college object
Description :
Created a College custom object and created Fields for the
custom object College.
Fields for College are:
- ➤ Record Info
- ➤ College Name
- ➤ Email
- ➤ College Fees
- ➤ Hostel Fees
- ➤ Capacity of Students
- ➤ Validation Rules

Day-3 :

Topic: Custom Object Creation

Milestone/Activities : Create the custom objects for the Application Form, Student, Subject, Create Fields on Application Form object,Student object,Subject object, Adding Business Logic to Applicatioin

Description :

Created a Application Form custom object and created Fields for the custom object Application Form.

Created a student custom object and created Fields for the custom object student.

Student Object :
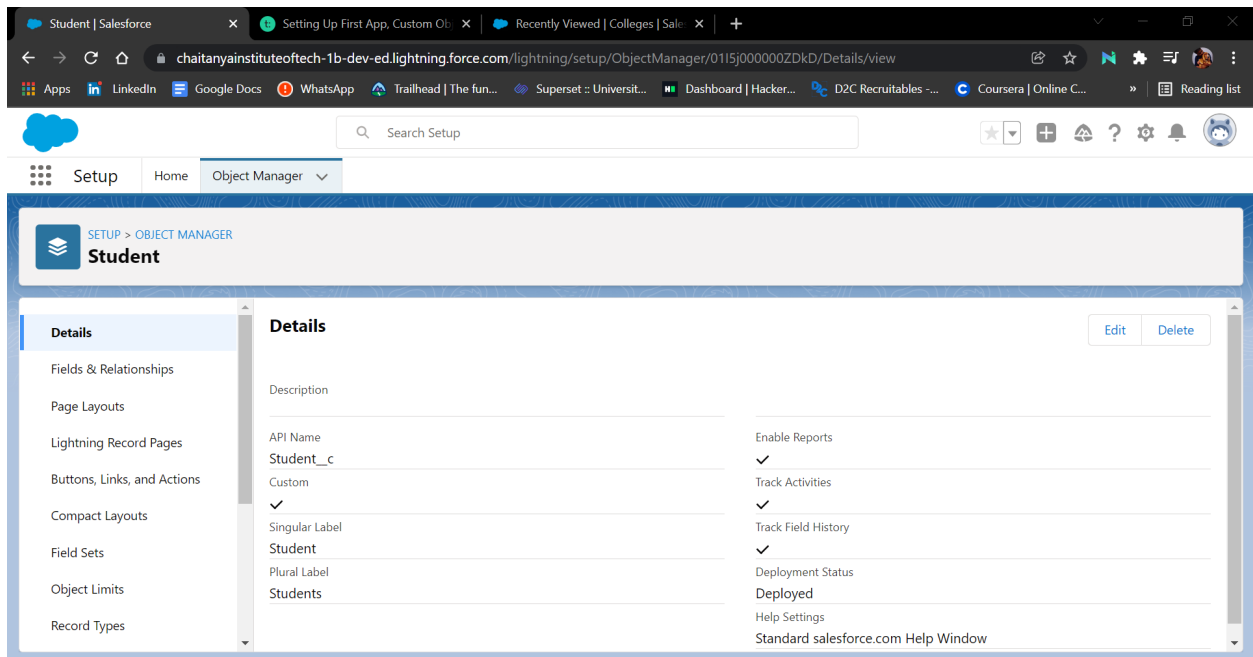
Student Fields :
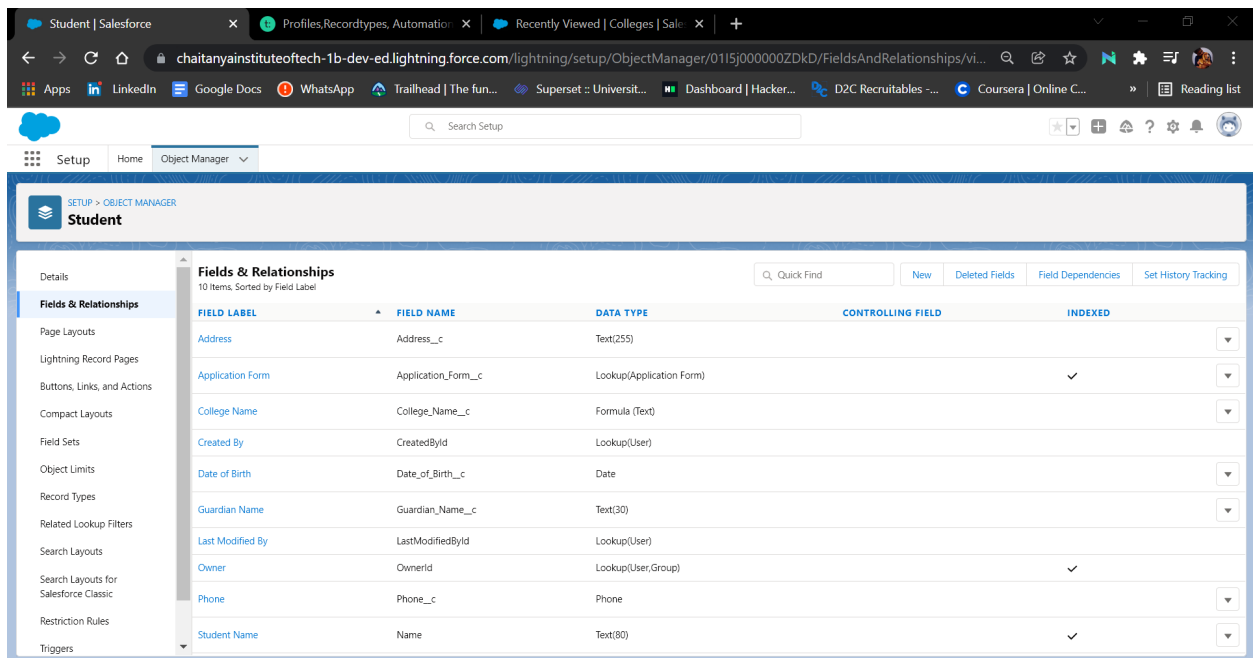
Created a Subject custom object and created Fields for the custom object Subject.

Subject Object :

Subject Fields :

In Picklist Value sets Created 3 Picklist value sets
➤ **College Name**
➤ **Paper 1**
➤ **Paper 2**
Created Global Picklist Values :

Creating Validation Rule :
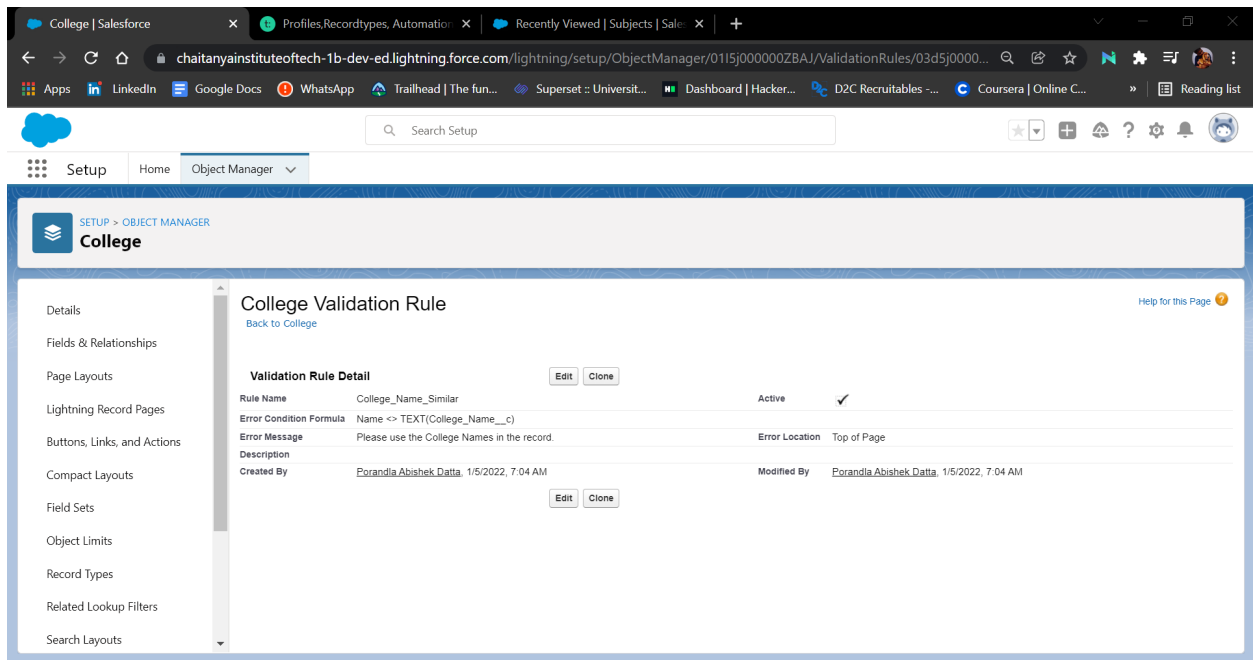
Creating Field Dependencies :

Created field dependencies for college object

- **controlling filed as college name and depending field is college email.**
- **controlling field as college name and depending field is capacity of students**

Day-4 :
Topic : Validation Rule
Description :

Created a validation rule on the application form object to stop any modification on the application form once a student record is created.

Day-5 :
Topic : Process Automation
Description :

Created an automation process such that when the "ready to join" field is checked on the application form object it will to create the student record automatically with the information specified in the application form record.
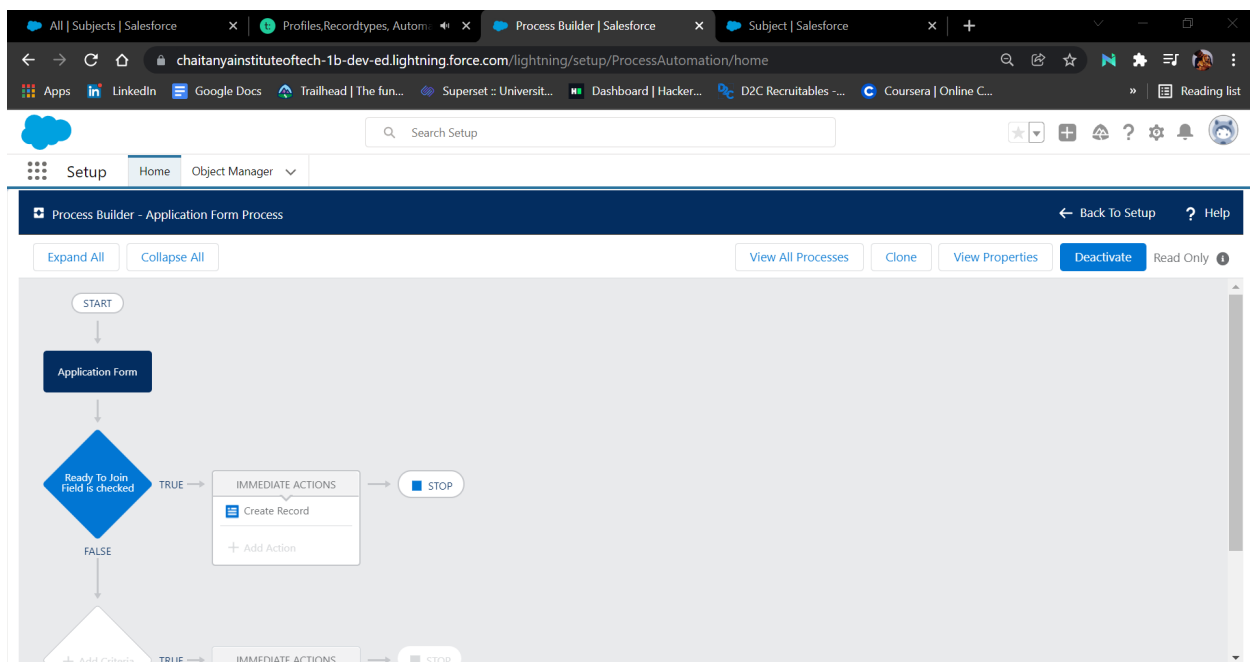
Day-6 :

Topic: Create the student record using flow

Milestone/Activities :Adding Business Logic to Application

Description :
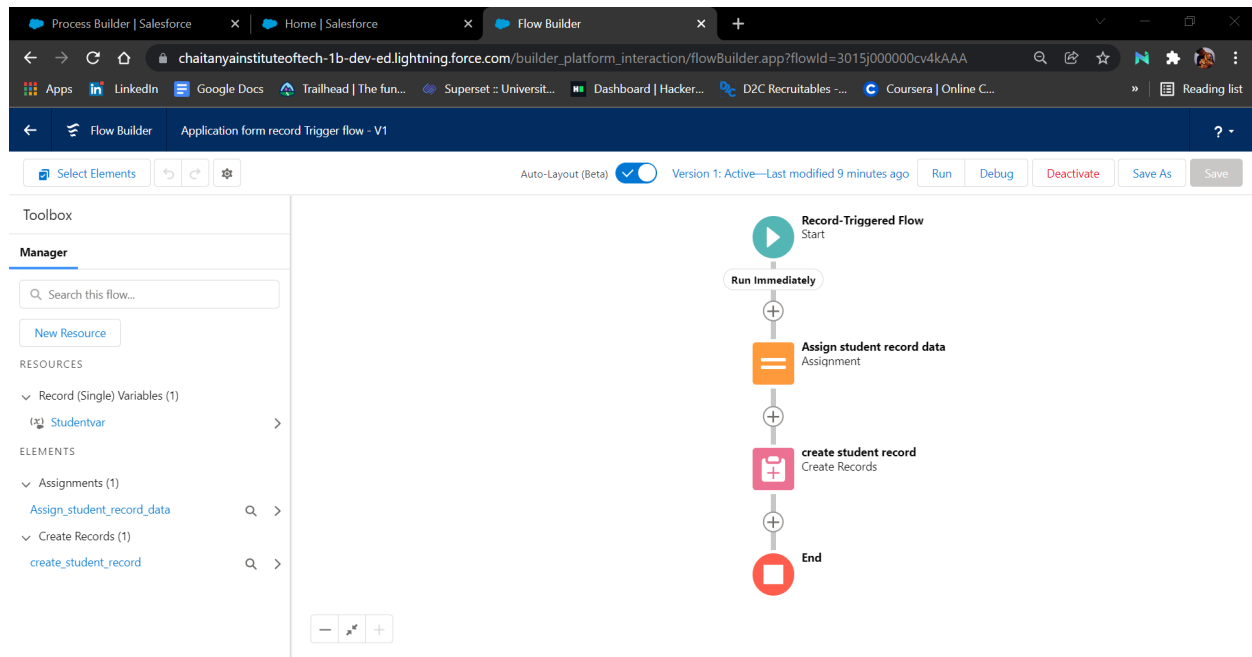
Day-7 :

Topic: BATCH APEX

Milestone/Activities : Create A Batch-apex For Application Form, Create A Scheduler Class

Description :
created apex batches
- **Applicationbatchtest**
- **appicationschedule**

Developer console codes :

chaitanyainstituteoftech-1b-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File ▾   Edit ▾   Debug ▾   Test ▾   Workspace ▾   Help ▾   <   >

ApplicationBatchTest.apxc ✕

Code Coverage: None ▾   API Version: 53 ▾   Go To

```apex
1 ▾  Public class ApplicationBatchTest implements Database.Batchable<sobject>, Database.stateful{
2        public Integer totalForms = 0;
3        public Integer totalConvertedForms = 0;
4 ▾      public Database.QueryLocator start(Database.BatchableContext bc){
5            String applicationQuery = 'select id, name, Ready_to_Join__c from Application_form__c';
6            return Database.getQueryLocator(applicationQuery);
7        }
8 ▾      public void execute(Database.BatchableContext bc, List<Application_form__c> formlist){
9 ▾          for(Application_form__c af : formlist){
10               totalConvertedForms++;
11           }
12       }
13
14
15 ▾     Public void finish(Database.BatchableContext bc){
16     messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
17     mail.setSubject('Application form And Student Record data as of today');
18     mail.setPlainTextBody('Total no of application form records are : '+totalForms+'out of which no of students as per today
19     String[] emailAddess = new String[]{'your email address'};
20         mail.setToAddresses(emailAddess);
21
```

Logs, Tests, and Problems   ⌃

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chaitanyainstituteoftech-1b-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage?action=selectExtent&extent=apexclass

File ▾   Edit ▾   Debug ▾   Test ▾   Workspace ▾   Help ▾   <   >

applicationschedule.apxc ✕   ApplicationBatchTest.apxc ✕

Code Coverage: None ▾   API Version: 53 ▾   Go To

```apex
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 2000
8        }
9  }
```

Logs, Tests, and Problems   ⌃

Scheduled jobs:

Day-8:

Topic : Lightning Web Components

Milestone/Activity :

- **Creating college data table component(Apex class)**
- **creating college data table component(HTML File)**
- **creating college data table component(Java Script)**
- **creating college data table component(Meta File)**
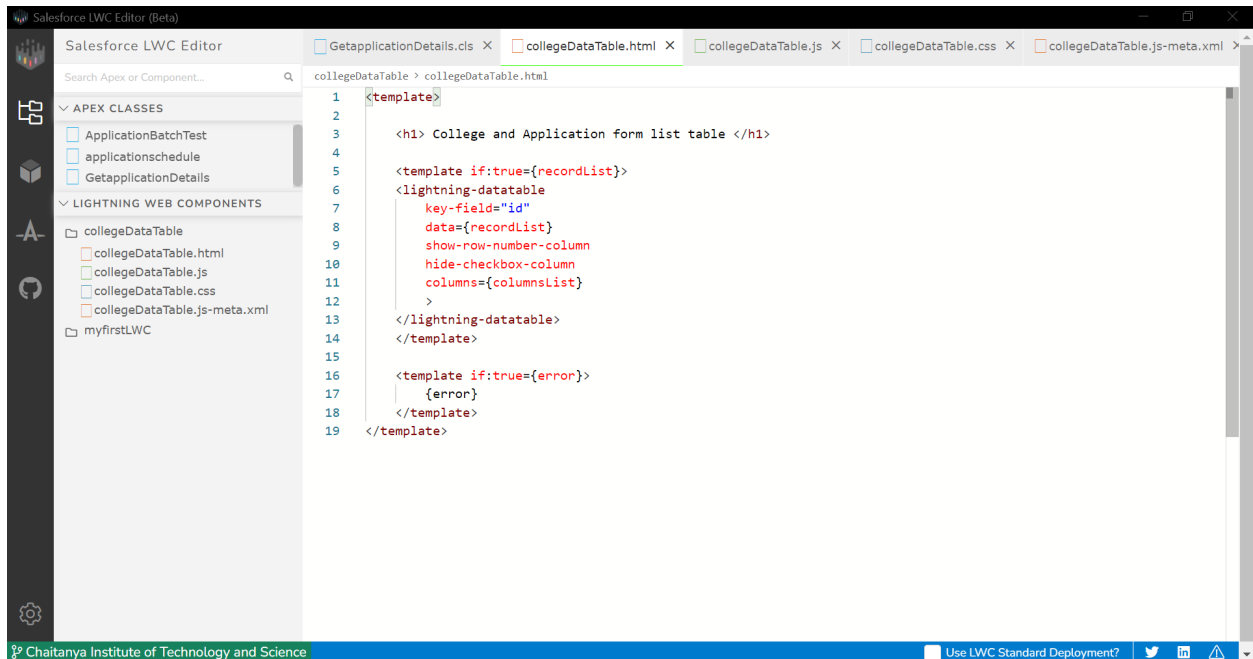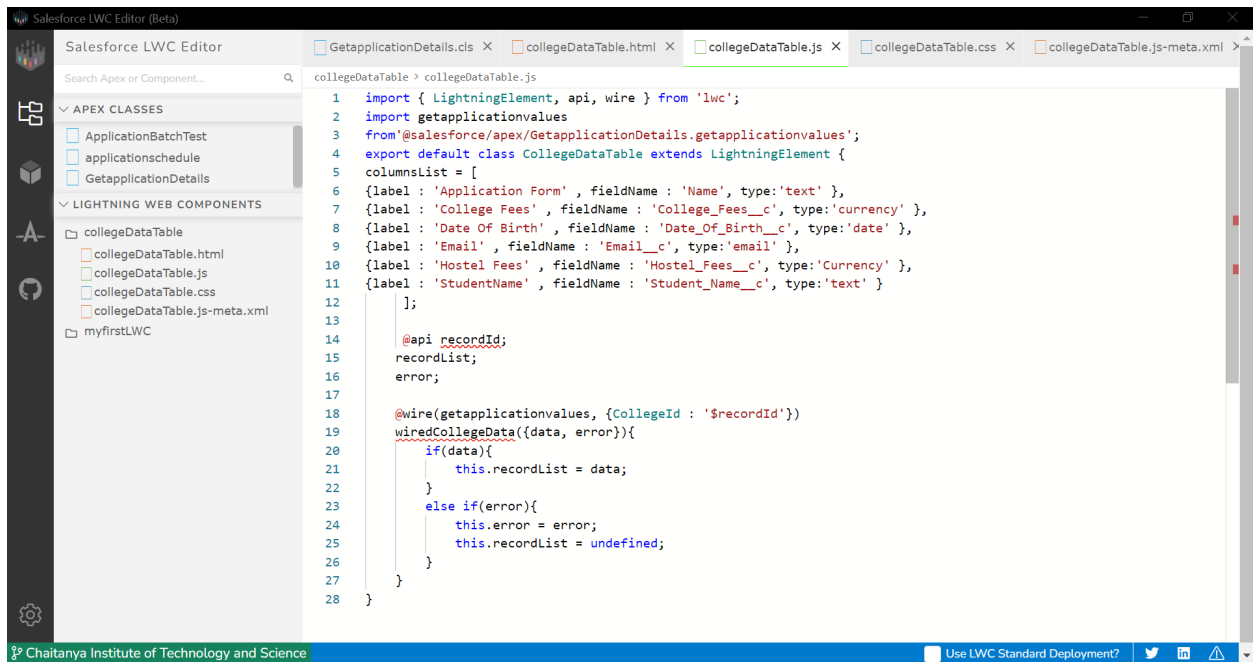
Description :

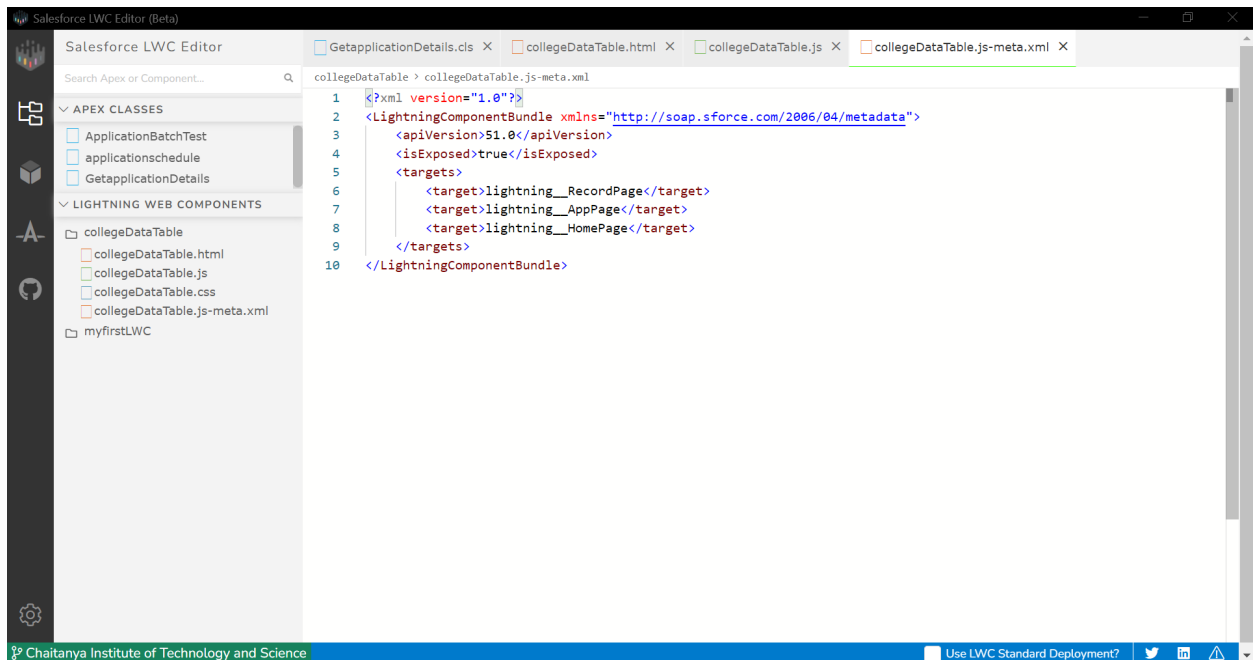## Creating college data table component(Apex class):
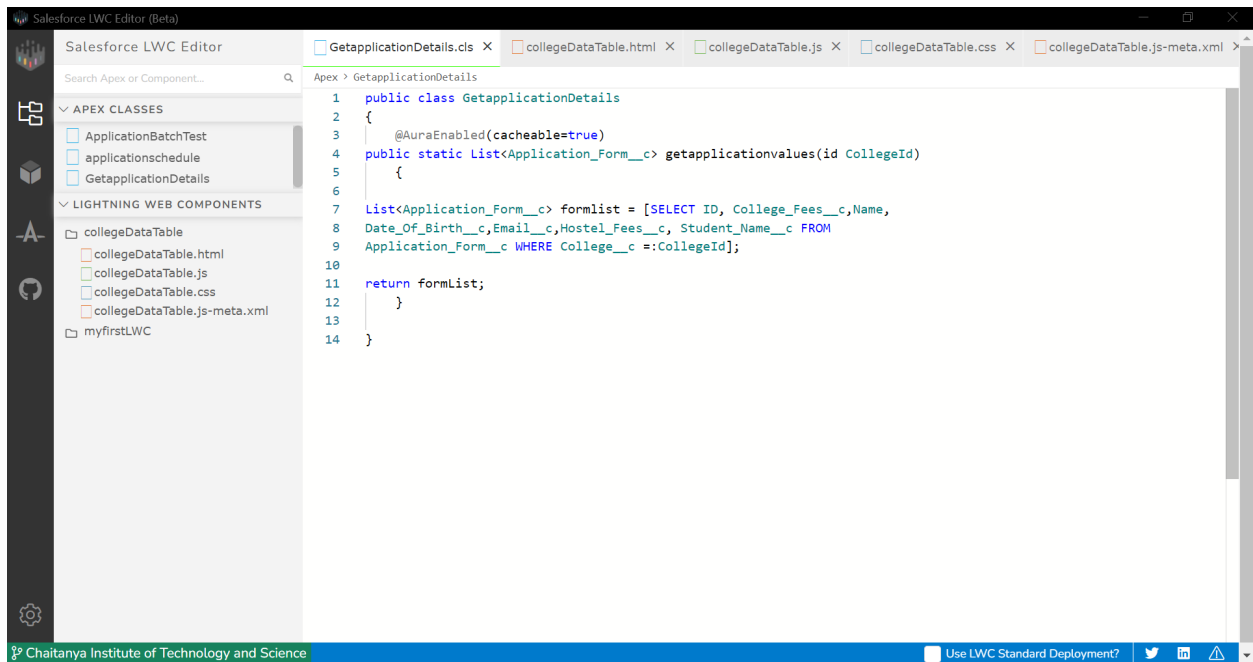
Creating college data table component(HTML File) :

Creating college data table component(Java Script File) :

Creating college data table component(Meta File) :

Data table in college object :

College Management   Colleges   Application Forms   Students   Subjects   Accounts   Contacts

All ▾   Search Colleges and more...

College
MIT-HYD

New Contact   Edit   New Opportunity

Related	Details	**Data Table**

College and Application form list table

	Application Form	College Fees	Date Of Birth	Email	Hostel Fees	StudentName
1	F-000002	$50,000.00		✉ someguy@gmail.com	23000	someguy

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.