



**Smart  
Internz**



# SALESFORCE PROJECT READY **Report**

**Entry Level Training & Professional Development Program**

**Project Title:** College Management Application

## Day 1 :

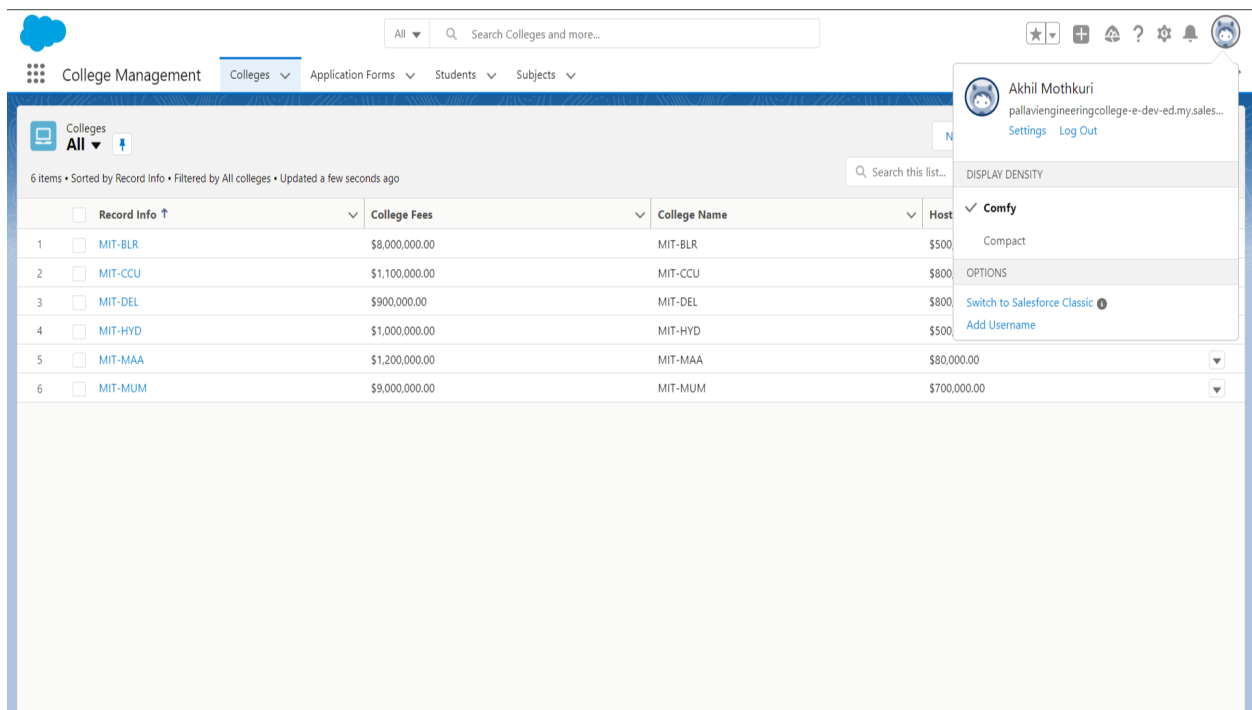
Topic: Salesforce overview

Milestone / Activities: 1) Create my salesforce Developer Org to get Started

- Creating Developer Account
- Account Activation
- Salesforce Login

Detailed Description: I have created My salesforce developer account and activated my account and login to my account.

Upload the Screenshot the Milestone / Activities :



The screenshot displays the Salesforce Developer Org interface. At the top, there is a navigation bar with the Salesforce logo and a search bar. Below the navigation bar, the 'College Management' section is active, showing a list of colleges. The table has columns for 'Record Info', 'College Fees', 'College Name', and 'Host'. The data is sorted by 'Record Info' and filtered by 'All colleges'. A user profile dropdown is visible on the right, showing the user's name 'Akhil Mothkuri' and options for 'Settings' and 'Log Out'. The table lists 6 items, sorted by Record Info, filtered by All colleges, and updated a few seconds ago.

Record Info	College Fees	College Name	Host
1 MIT-BLR	\$8,000,000.00	MIT-BLR	\$500
2 MIT-CCU	\$1,100,000.00	MIT-CCU	\$800
3 MIT-DEL	\$900,000.00	MIT-DEL	\$800
4 MIT-HYD	\$1,000,000.00	MIT-HYD	\$500
5 MIT-MAA	\$1,200,000.00	MIT-MAA	\$80,000.00
6 MIT-MUM	\$9,000,000.00	MIT-MUM	\$700,000.00

## Day 2 :

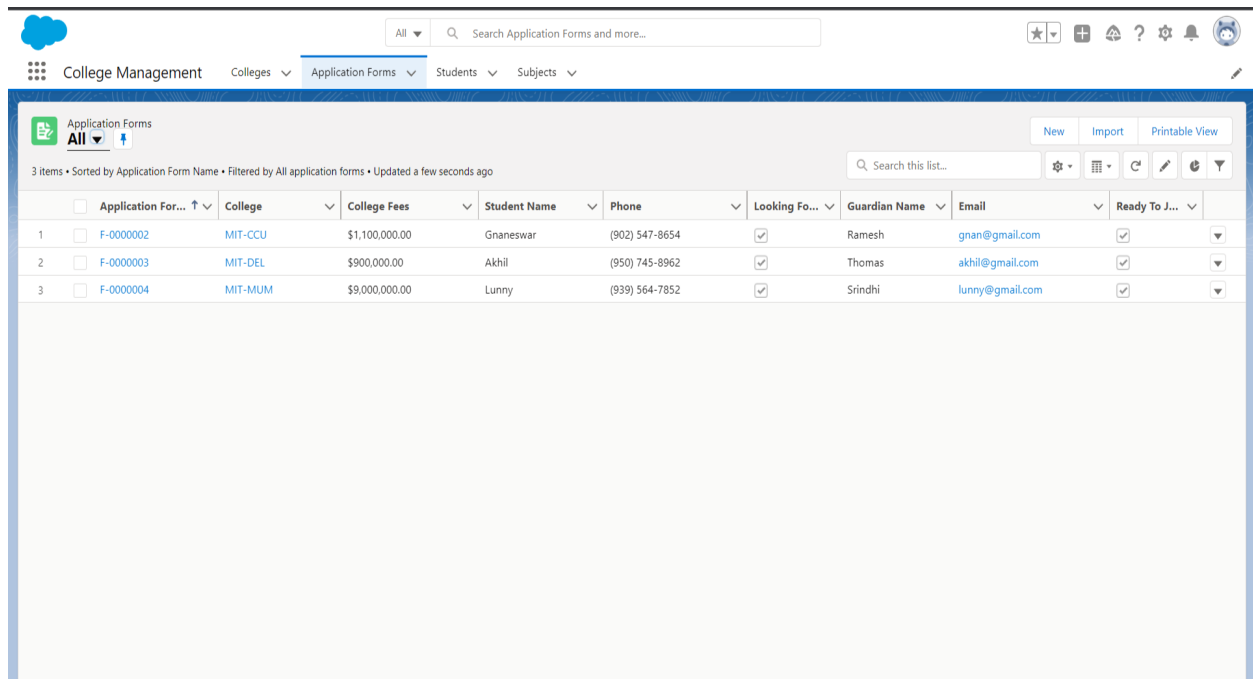
Topic: Application creation

### Milestone / Activities: 1)Setting up First App

- Custom objects for the Application
- Fields creation for the custom objects
- Creating Global Picklist Valueset
- Creating Field Dependencies
- Creating Validation rules

Detailed Description: I have created the college management application from the app manager and after that I have created the custom objects for the above application and also created the required fields for the custom objects. For that fields I have created the field dependencies and validation rules.

Upload the Screenshot the Milestone / Activities :



The screenshot displays the Salesforce Application Forms interface. At the top, there is a navigation bar with the Salesforce logo, a search bar, and various utility icons. Below the navigation bar, the main content area shows a list of application forms. The list is titled "Application Forms" and includes a search bar and action buttons like "New", "Import", and "Printable View". The list contains three items, each with a checkbox, an application form ID, a college name, college fees, student name, phone number, a "Looking For..." checkbox, guardian name, email, and a "Ready To J..." checkbox. The data is as follows:

	Application For...	College	College Fees	Student Name	Phone	Looking Fo...	Guardian Name	Email	Ready To J...
1	<input type="checkbox"/> F-0000002	MIT-CCU	\$1,100,000.00	Gnaneswar	(902) 547-8654	<input checked="" type="checkbox"/>	Ramesh	gnan@gmail.com	<input checked="" type="checkbox"/>
2	<input type="checkbox"/> F-0000003	MIT-DEL	\$900,000.00	Akhil	(950) 745-8962	<input checked="" type="checkbox"/>	Thomas	akhil@gmail.com	<input checked="" type="checkbox"/>
3	<input type="checkbox"/> F-0000004	MIT-MUM	\$9,000,000.00	Lunny	(939) 564-7852	<input checked="" type="checkbox"/>	Srindhi	lunny@gmail.com	<input checked="" type="checkbox"/>

## Day 3 :

Topic: Profiles, Record types And Automation

### Milestone / Activities:

- Schema builder
- Process Builder
- Classic Email Template/Email Alerts

### Detailed Description:

1. open the schema builder and clear all the fields and join the required fields which we can create for our application and check the fields.
2. 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.
3. 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. Please follow the below screenshot.

Upload the Screenshot the Milestone / Activities :

# Schema Builder

The Schema Builder interface displays four data objects on a grid:

- College**: Capacity Of Students (Picklist), College Email (Picklist), College Fees (Currency(7, 2)), College Name (Picklist), Created By (Lookup(User)), Hostel Fees (Currency(6, 2)), Last Modified By (Lookup(User)), Owner (Lookup(User+1)), Record Info (Text(80)).
- Application Form**: Address (Text(255)), Application Form Name (Auto Number), College (Master-Detail(College)), College Fees (Formula (Currency)), Created By (Lookup(User)), date of Birth (Date), Email (Email (Unique)), Guardian Name (Text(30)), Hostel Fees (Formula (Currency)), Last Modified By (Lookup(User)), Looking For Hostel Stay (Checkbox), Phone (Phone), Ready To Join (Checkbox), Student Name (Text(30)).
- Students**: Address (Text(255)), Application Form (Lookup(Application Form)), College Name (Formula (Text)), Created By (Lookup(User)), Date Of Birth (Date), Guardian Name (Text(30)), Last Modified By (Lookup(User)), Owner (Lookup(User+1)), Phone (Phone), Students Name (Text(80)).
- Subject**: Created By (Lookup(User)), Last Modified By (Lookup(User)), Owner (Lookup(User+1)), Paper 1 (Picklist), Paper2 (Picklist), Students (Lookup(Students)), Subject ID (Auto Number), Subject Name (Text(80)).

# Process Builder

The Process Builder interface shows a flowchart for the 'Application Form' process. The flow starts with 'START', followed by 'Application Form', then a decision 'Ready to join'. If 'TRUE', it leads to 'IMMEDIATE ACTIONS' where 'Create a Student Rec...' is selected, followed by 'STOP'. If 'FALSE', it leads to another decision '+ Add Criteria'. If 'TRUE', it leads to 'IMMEDIATE ACTIONS' where '+ Add Action' is selected, followed by 'STOP'. If 'FALSE', it leads to 'javascriptvoid()'. The right panel is titled 'Create a Record' and contains the following configuration:

**Action Name\***: Create a Student Record

**Record Type\***: Students

**Set Field Values**

Field*	Type*	Value*
Address	Field Reference ▼	[Application_Form_c].A.Q
Date Of Birth	Field Reference ▼	[Application_Form_c].d.Q
Guardian Name	Field Reference ▼	[Application_Form_c].G.Q
Phone	Field Reference ▼	[Application_Form_c].P.Q
Application Form	Field Reference ▼	[Application_Form_c].Id.Q
Students Name	Field Reference ▼	[Application_Form_c].S.Q

Buttons: Save, Cancel

## Day 4 :

Topic: Create the Student Record Using flow

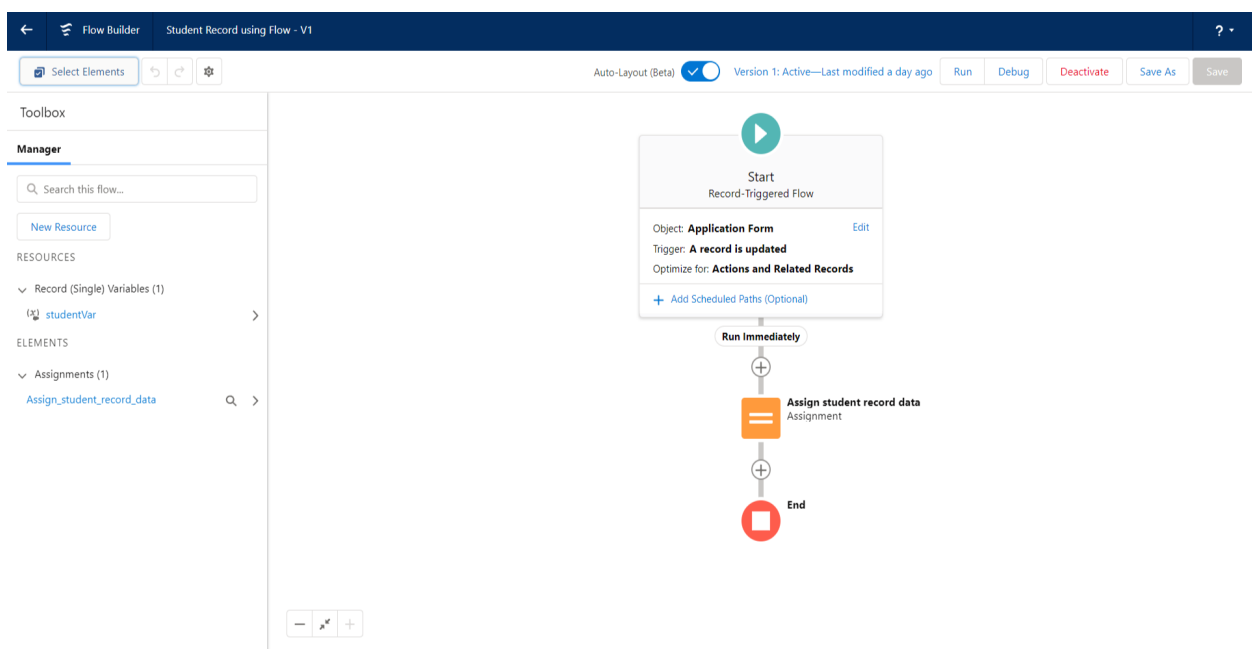
### Milestone / Activities:

- 3) Adding Business logic to the Application
- Flows

### 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.

Upload the Screenshot the Milestone / Activities :



## Day 5 :

Topic: Overview of Triggers,Batch Apex

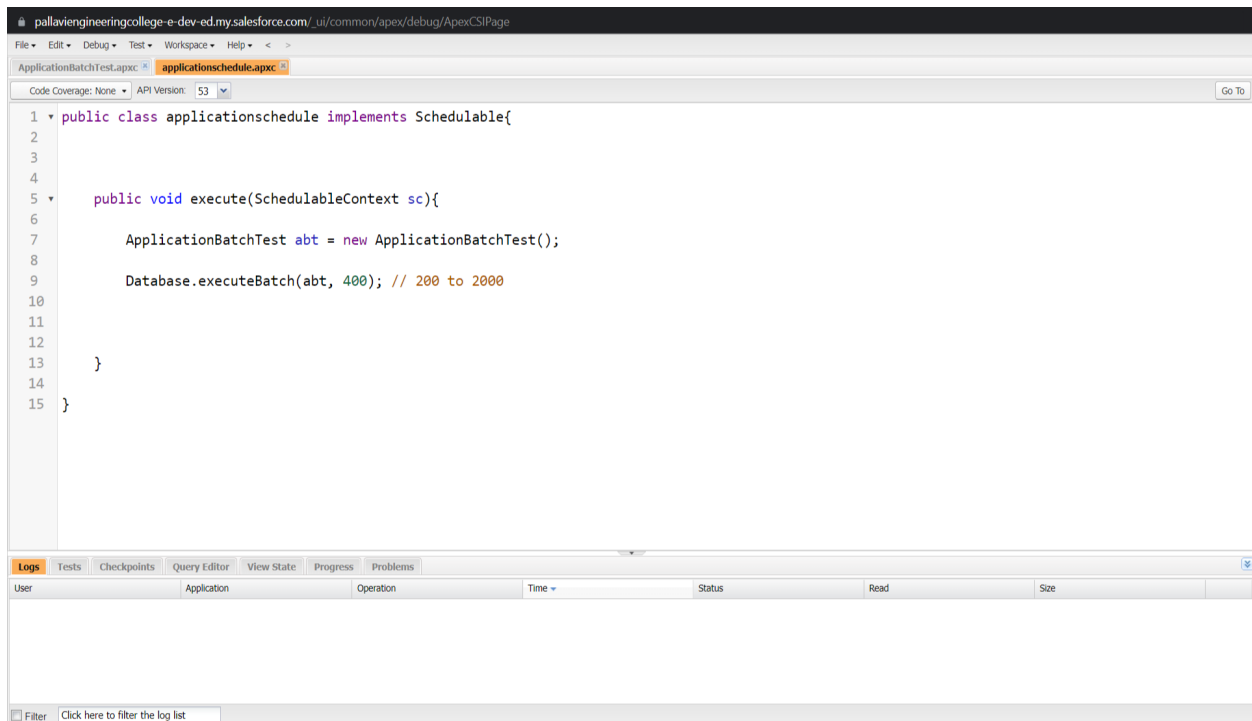
### Milestone / Activities:

- Create a Batch Apex for Application Form
- Create a Scheduler Class

### Detailed Description:

1. From the developer console I created a new apex class and enter the following Application related code.
  - 2.Next I have created a Scheduler class.
- From setup search for apex class and click on schedule jobs and fill the details as per our requirements.

Upload the Screenshot the Milestone / Activities :



Search Setup

Setup Home Object Manager

Q apex

▼ Email

- Apex Exception Email

▼ Custom Code

- Apex Classes
- Apex Settings
- Apex Test Execution
- Apex Test History
- Apex Triggers

▼ Environments

- ▼ Jobs
- Apex Flex Queue
- Apex Jobs**

Didn't find what you're looking for?  
Try using Global Search.

## Apex Jobs

Click here to go to the new batch jobs page

Monitor the status of all Apex jobs, and optionally, abort jobs that are in progress.

View: All Create New View

Action	Submitted Date	Job Type	Status	Status Detail	Total Batches	Batches Processed	Failures	Submitted By	Completion Date	Apex Class	Apex Method	Apex Job ID
	1/14/2022, 6:00 PM	Batch Apex	Completed		1	1	0	Mothkuri Akhil	1/14/2022, 6:00 PM	ApplicationBatchTest		7075j00000fzx21
	1/14/2022, 9:54 AM	Scheduled Apex	Queued		0	0	0	Mothkuri Akhil		applicationschedule		7075j00000fyX37

## Result of Email alerts:

-Whenever the Application form is filled, a student record is created and an email alert will be sent to our email ID which the student record has been created.

## Upload the Screenshot the Milestone / Activities :

Testing Inbox x

Akhil Mothkuri via 3155so9vzeflq7.5j-5rykweam.ap27.bnc.salesforce.com  
to integration@example.com, me, insightssecurity@example.com

Fri, Jan 14, 10:56 PM (1 day ago)

Hi Akhil

Welcome to MIT-DEL  
Your College Fee: \$900,000.00

Regards  
Admin



Application form and student record data as of today

Inbox x



Akhil Mothkuri via hg63u21qstlc5e5.cby7vx.5j-5rykweam.ap27.bnc.salesforce.com  
to me ▾

Sat, Jan 15, 7:30 AM (16 hours ago)



Total no of application form records are : 3 out of which no of students as per today : 3

Thanks a lot.

Thanks for the mail.

Received, thank you.

## Day 6 :

### Topic: Lightning Web Components

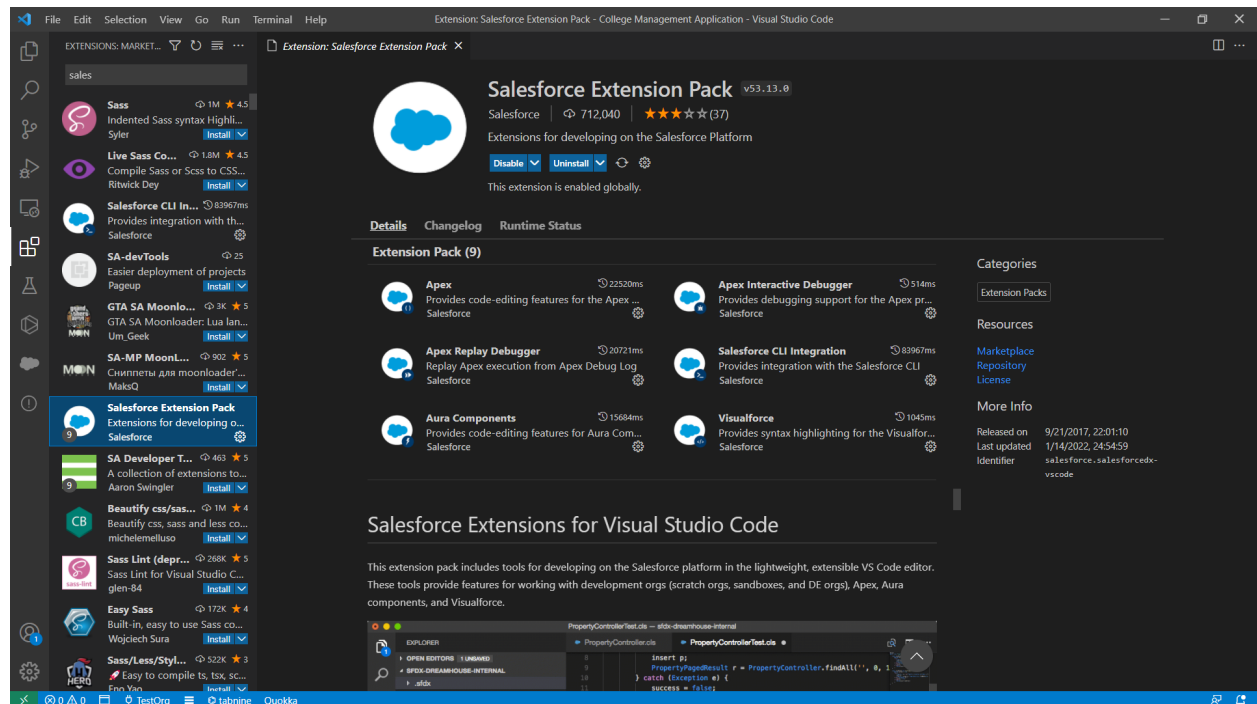
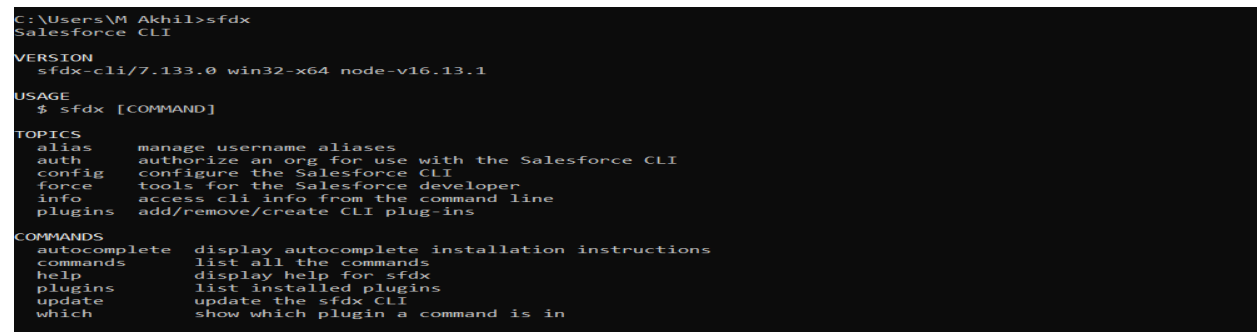
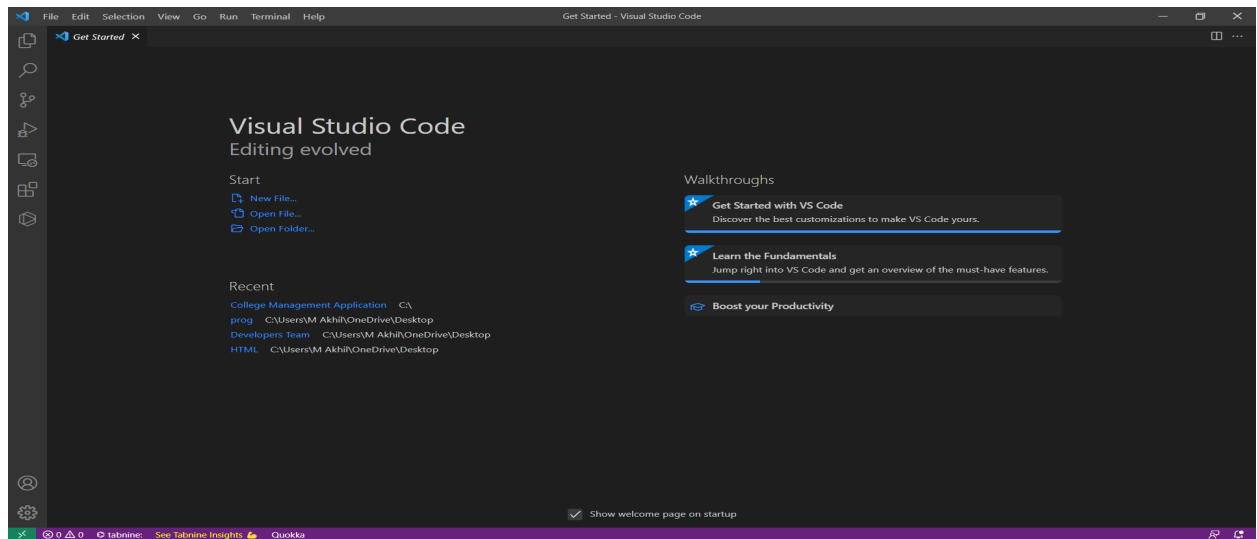
#### Milestone / Activities:

- Installation of Visual Studio Code
- Download and Installation of Salesforce CLI
- Installing the salesforce extension pack in the VS code

#### Detailed Description:

I have installed the Visual Studio Code and downloaded the Salesforce cli and been installed and checked it in command prompt. Next I have been installed the salesforce extension pack in the vs code.

Upload the Screenshot the Milestone / Activities :



## Day 7 :

Topic: Lightning Web Components

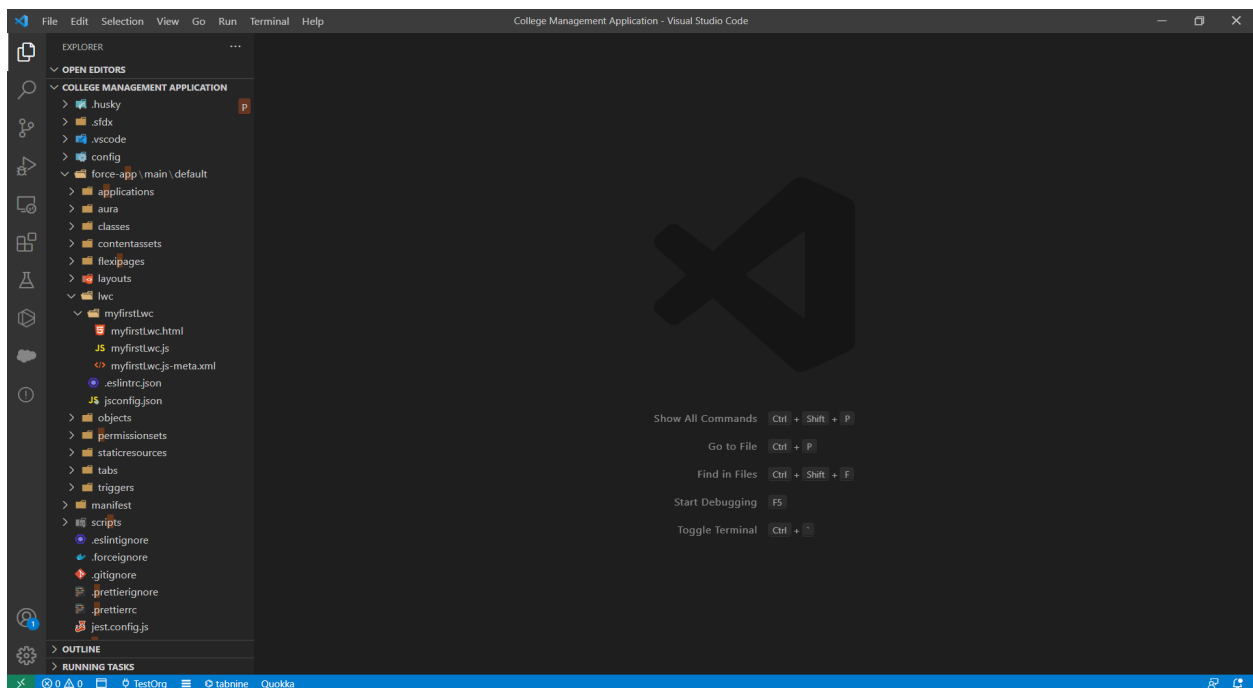
Milestone / Activities:

- Create Project With manifest

Detailed Description:

I have created the project with standard project template and named it as College Management Application. Then the default aura, classes, lwc components and other components have been created.

Upload the Screenshot the Milestone / Activities :



## Day 8 :

### Topic: Lightning Web Components

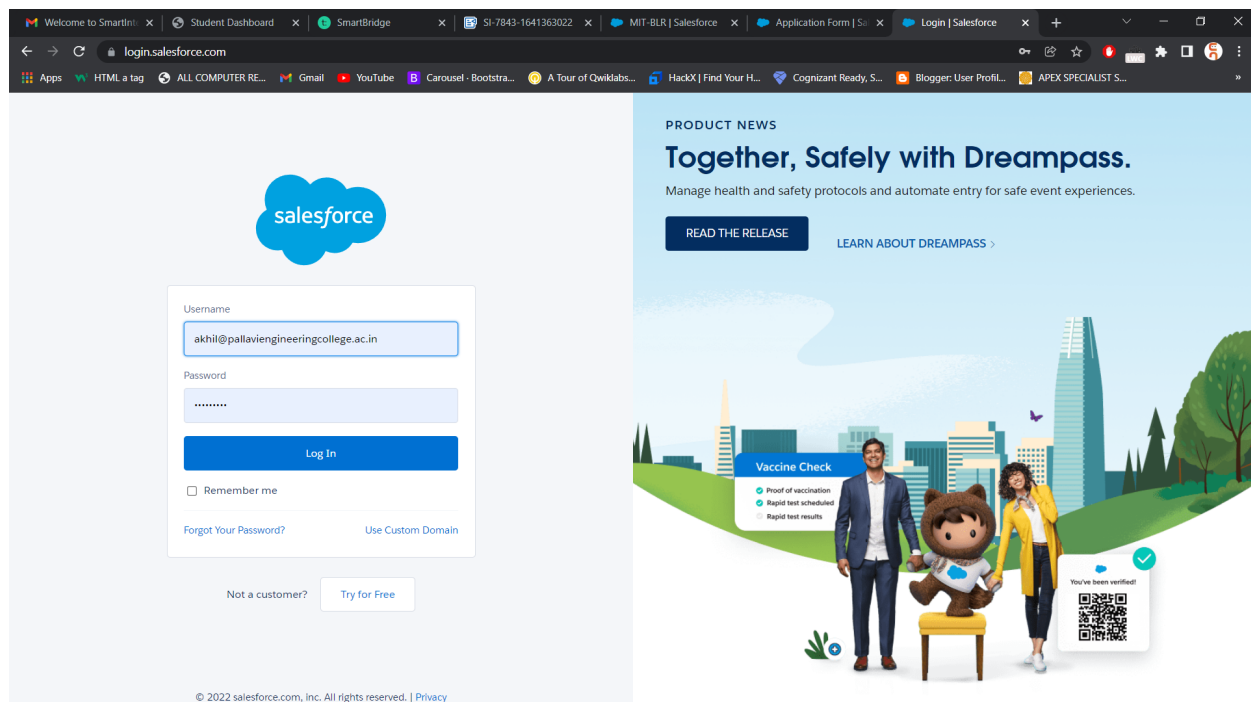
#### Milestone / Activities:

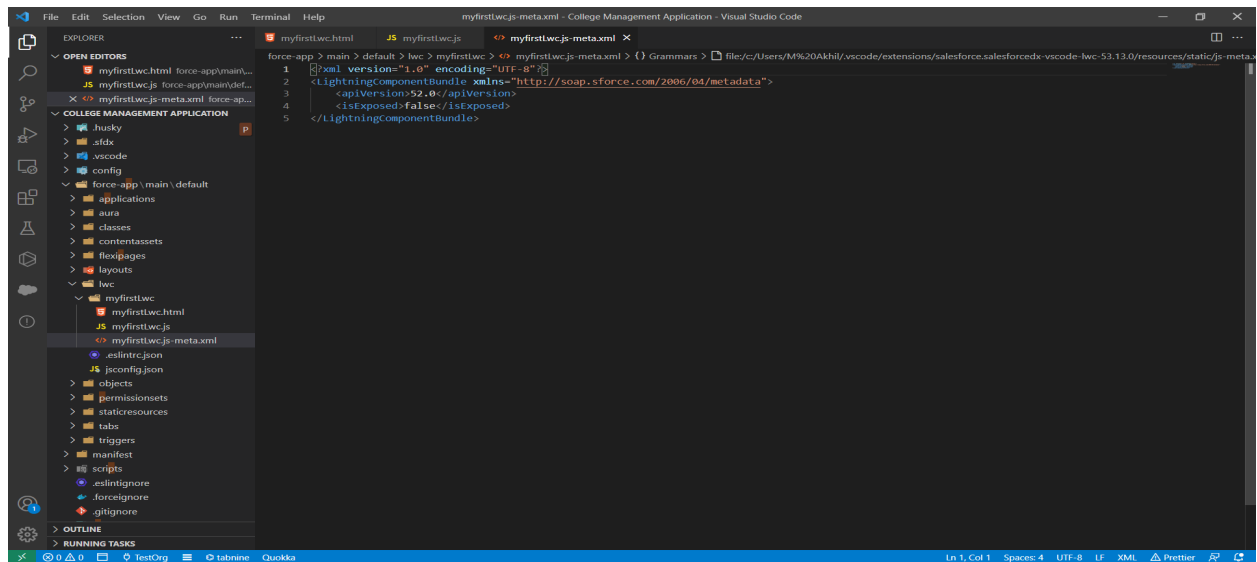
- Authorize an Org
- Create Lightning Web Component

#### Detailed Description:

I took the command palette and Authorize my salesforce org through it. And login my account with my credentials which is connected to the vs code. And later I have created the lightning web components as html, js, xml files.

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





## Day 9 :

Topic: Component creation for the Application

Milestone / Activities:

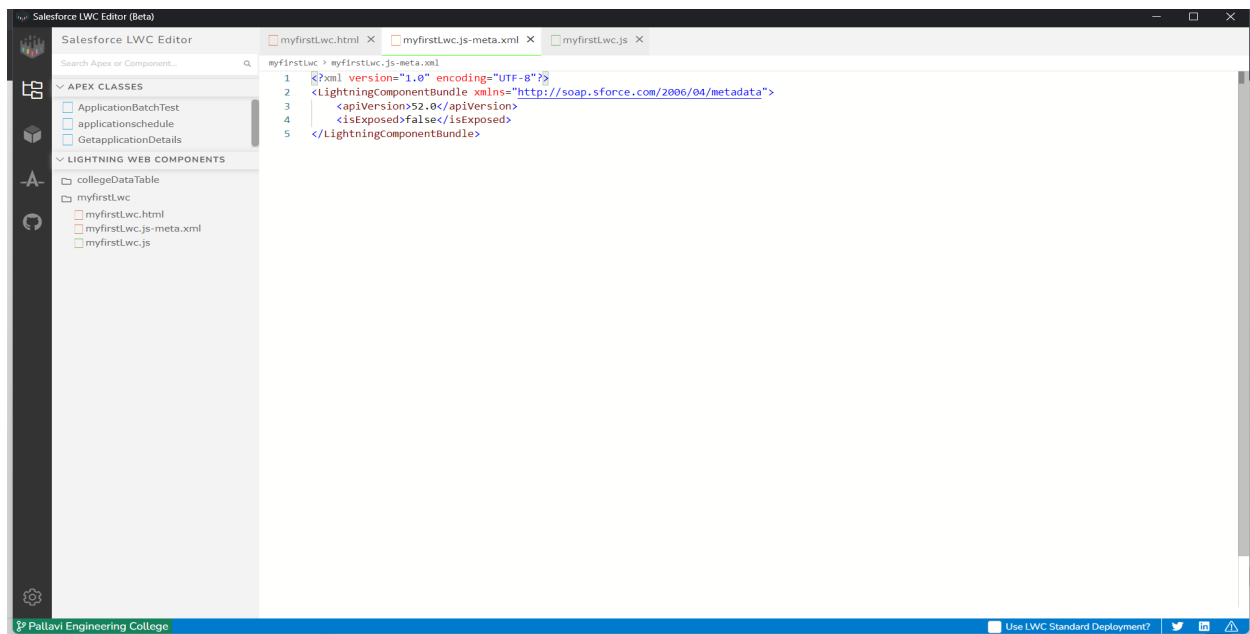
- Downloading and Installing the LWC Editor

Detailed Description:

I have been downloaded the extension of LWC Editor and added to my profile.

In the LWC Editor I have been created the sample LWC component like as Html,css,Javascript,Xml files.

Upload the Screenshot the Milestone / Activities :



## Day 10 :

Topic: Component creation for the Application

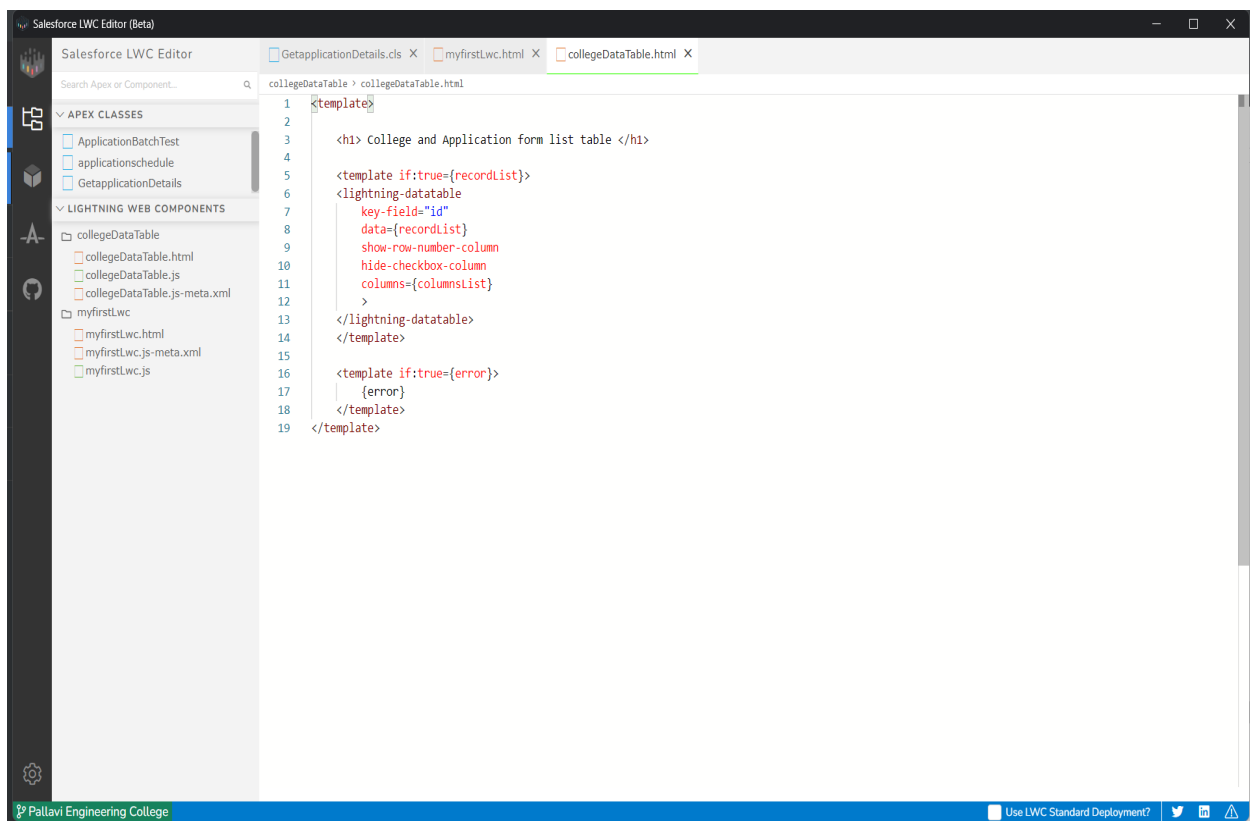
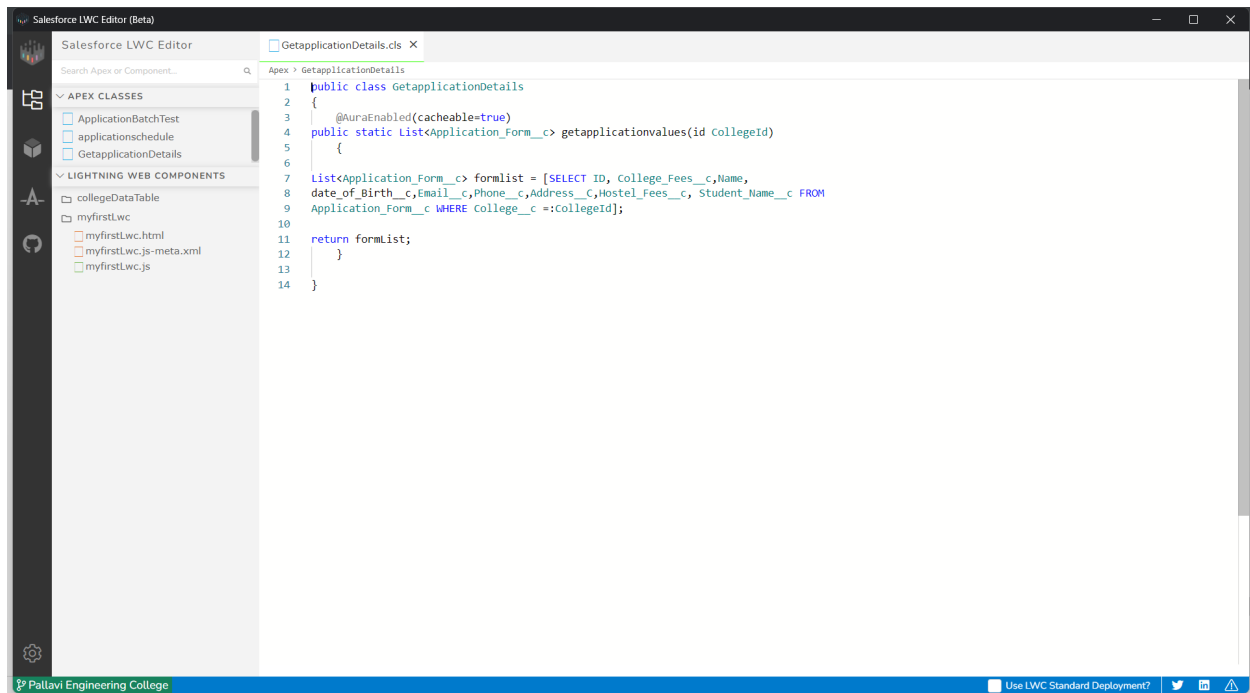
Milestone / Activities:

- Creating College DataTable Component(APEX CLASS)
- Creating College DataTable Component(HTML FILE)

Detailed Description:

I have created the College DataTable Component(Apex class) in the LWC Editor. And Next creating the New lwc component named as CollegeDataTable and is exposed to included the css file and targets are mentioned to the Record, App, Home pages and deploy it.

Upload the Screenshot the Milestone / Activities :



## Day 11 :

### Topic: Component creation for the Application

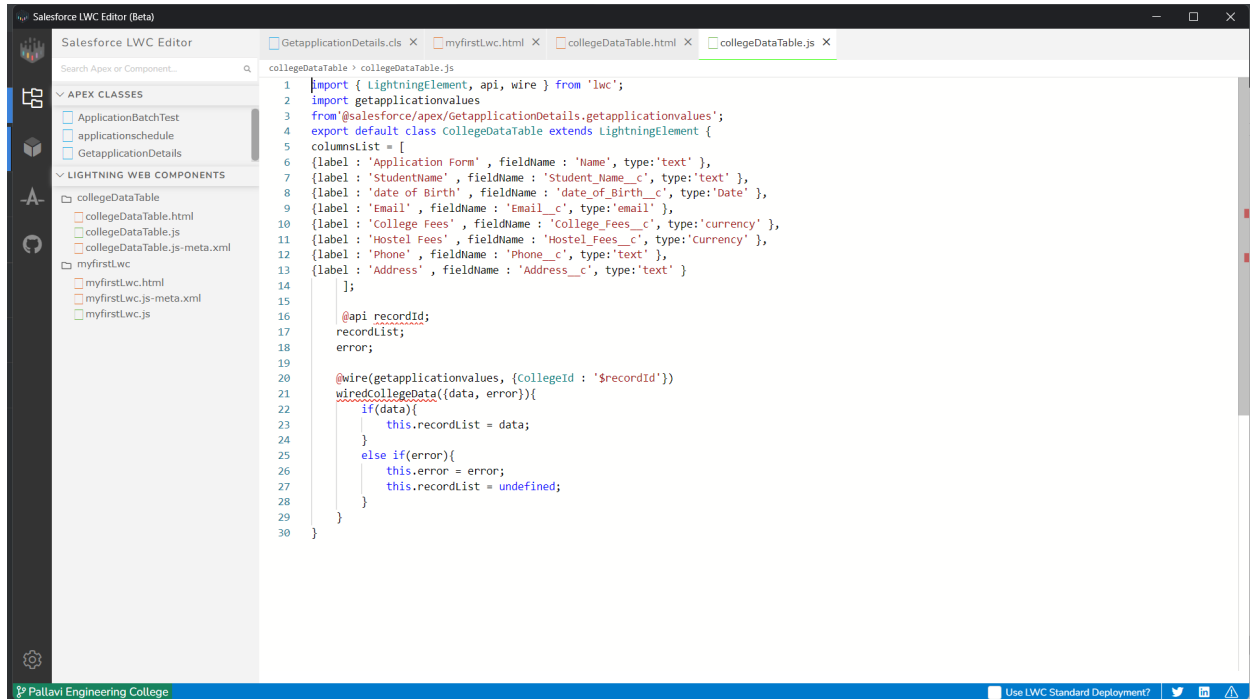
#### Milestone / Activities:

- Creating College DataTable Component(JAVASCRIPT FILE)
- Creating College DataTable Component(META FILE)

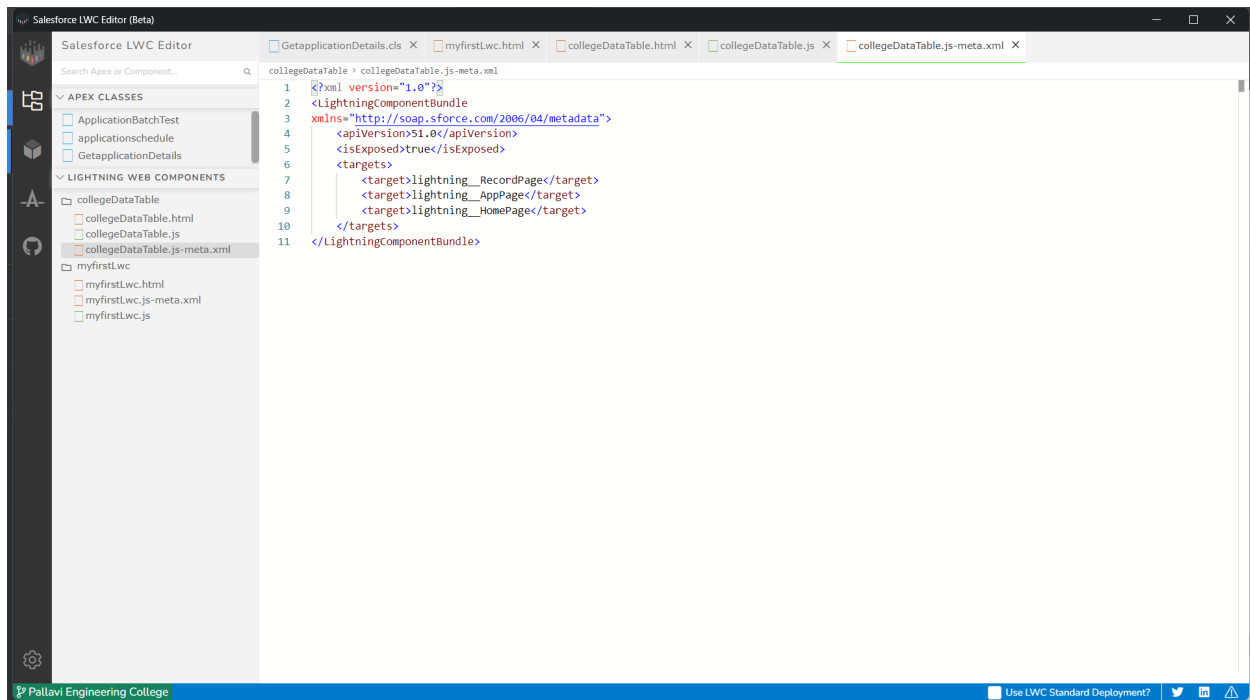
#### Detailed Description:

Creating the file and writing the code in that file and checking the errors and deploy it to the org.

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







## Day 12 :

Topic: Component creation for the Application

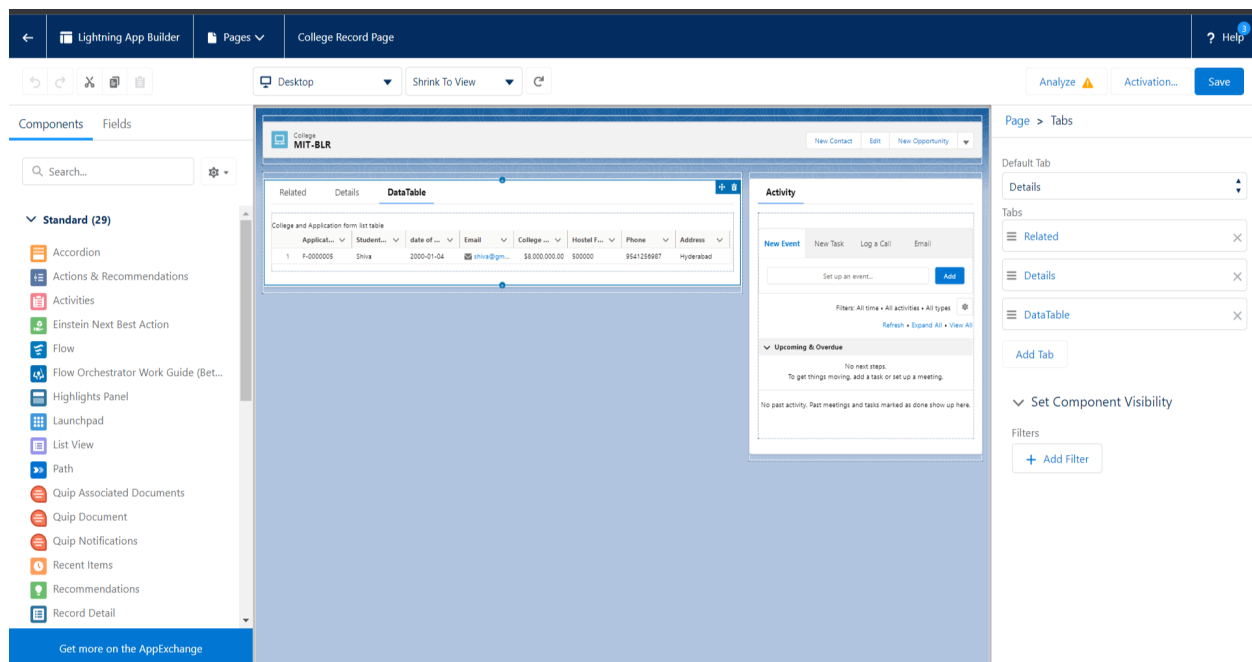
Milestone / Activities:

- Goto College Management Application and Edit the page and modify the Lightning app Builder
- Adding the custom tab as DataTable and Dragging the CollegeDataTable Into the Custom Field.

Detailed Description:

I have been editing the application page and adding the custom field component as DataTable and Dragging the custom component which we created as LWC component.

Upload the Screenshot the Milestone / Activities :



**Day 13 :**

Topic: Component creation for the Application


Milestone / Activities:

-Retrieving the Fields in the component as DATATABLE

Detailed Description:

I have been retrieving the data in the fields which I have been created as like LWC components.

Upload the Screenshot the Milestone / Activities :



College Management

CollegesApplication FormsStudentsSubjects

AllSearch Colleges and more...

College MIT-BLR

New ContactEditNew Opportunity

RelatedDetailsData Table

College and Application form list table

	Applicatio...	StudentN...	date of Bi...	Email	College Fe...	Hostel Fees	Phone	Address
1	F-0000005	Shiva	2000-01-04	shiva@gmail...	\$8,000,000.00	500000	9541256987	Hyderabad

Activity

New EventNew TaskLog a CallEmail

Set up an event...Add

Filters: All timeAll activitiesAll types

RefreshExpand AllView 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.

javascript:void(0)

**Result :** And My College Management Application Is been Developed By using Salesforce Admin and Salesforce Developer Skills.

