COLLEGE MANAGEMENT APPLICATION

Project Title: College Management Application
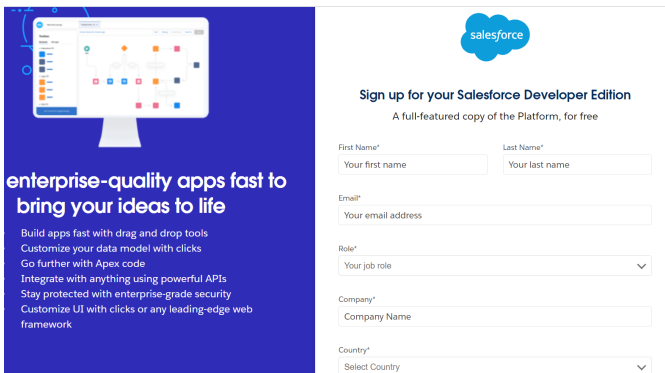
Day 1:

Topic 1: Creating Developer Account

Milestone / Activities: Creating a Developer org Account in salesforce

Detailed Description: We need to go to developer.salesforce.com/ site and need to sign in by entering required details like

1. First name & Last name
2. Email
3. Role
4. Company
5. Country
6. Postal Code
7. Username

 Screenshot of the Milestone / Activities:

Postal Code*

Your postal code

Username*

Ex. name@yourcompany.com

By registering, you confirm you have read and agree to the Terms of Use and the Master Subscription Agreement and to the storing and processing of your personal data by Salesforce as described in the Privacy Statement, including use for marketing purposes.

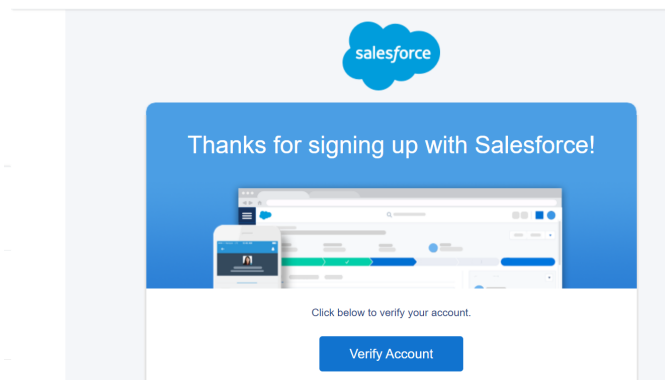**Sign me Up**

Already have a Salesforce Developer Environment?

Log in

Topic 2: Account Activation

Milestones / Activities: Activating our Developer org account.

Detailed Description: We need to activate our developer org account.

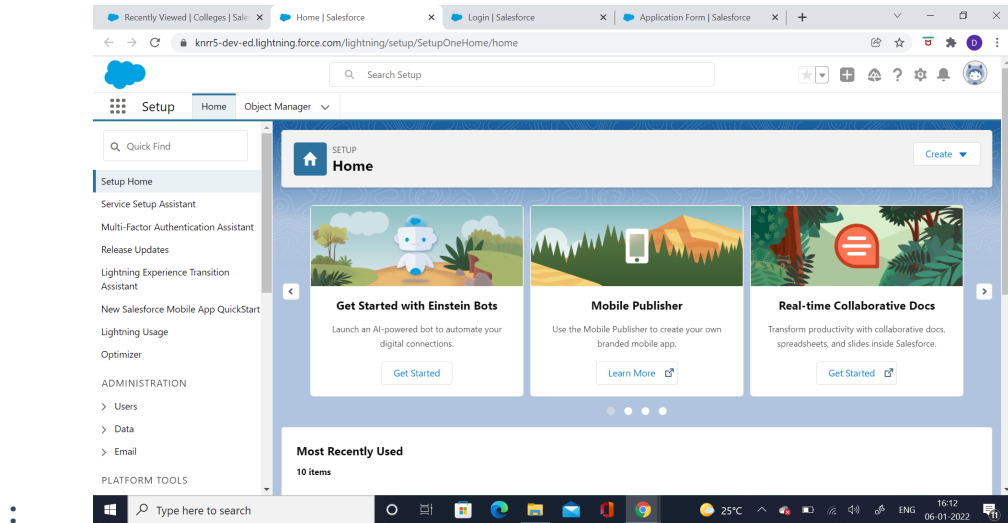**Screenshot of the Milestone / Activities:**

Topic 3: Login to salesforce Account.

Milestones / Activities: Logging into our Salesforce Account.

Detailed Description: We have to go to Salesforce.com and click on login.Enter the username and password that we just received.After logging in, here is the home page which is didsplayed.

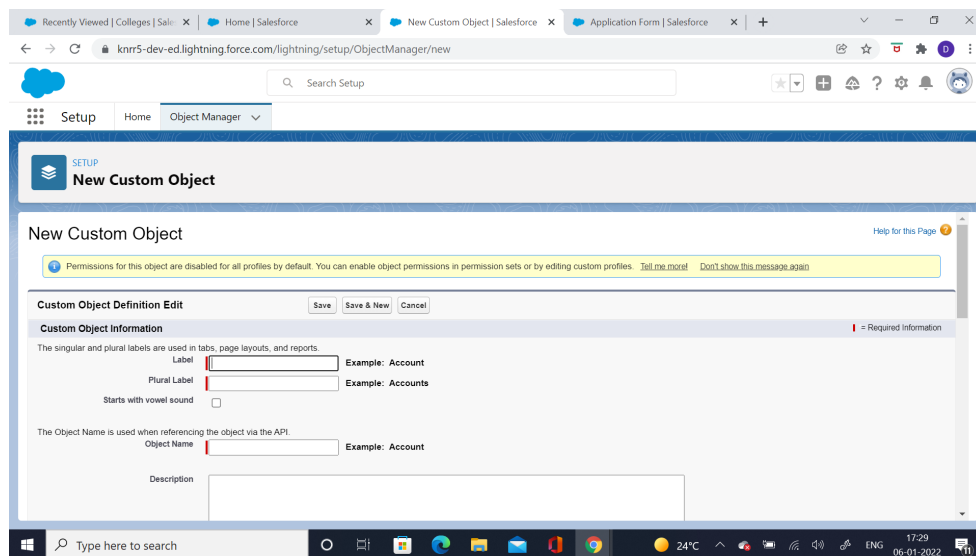**Screenshot of Milestone / Activities:**

Day 2:

Topic 1: Create Custom Objects For The College Application.

Milestones / Activities: Creating the Custom objects for the College application.

Detailed Description: The Custom objects I have created are:College,Application,students,subjects

Screenshot of Milestone / Activities:

Topic 2: Create Custom fields on College Object.

Milestones / Activities: Creating Custom Field on College Object.

Detailed Description: To create fields on college object

Field Name	Data Type	Values
College Name	Picklist	
College Email	Picklist	
College Fee	Currency	(7,2)
Hostel Fee	Currency	(6,2)
No of Seats	Picklist	

Topic 3: Create Custom Fields on Application Object.

Milestones / Activities: Creating Custom Field on Application object.

Detailed Description: To Create fields on application object.

Field Name	Data Type	Values
Form Number	Autonumber	FORM-{00000}
Student Name	Text	
D.O.B	Date	
College	Master-Detail Relationship	
College Fee	Currency	[College_r.College_Fee_c]
Email	Email	
Form Number	Autonumber	FORM-{00000}

Topic 4: Create Custom fields on Student object.

Milestones / Activities: Creating Custom fields on Student object.

Detailed Description: To Create fields on 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	

Topic5: Create Custom Fields on Subject object.

Milestone / Activities: CreatingCustom fields on Subject object.

Detailed Description: To Create fileds on Subject object.

Field Name	Data Type	Required	Values
Subject ID	AutoNumber		S-{000000} Starting Number=1
Paper1	Picklist(Refer Business Logic Milestone)		
Paper 2	Picklist(Refer Business Logic Milestone)		
Student	Lookup(Student)		

Screenshot of Milestone / Activities: Inserting the Screenshots of Scheme Builder where it shows all the custom fields of each custom object.
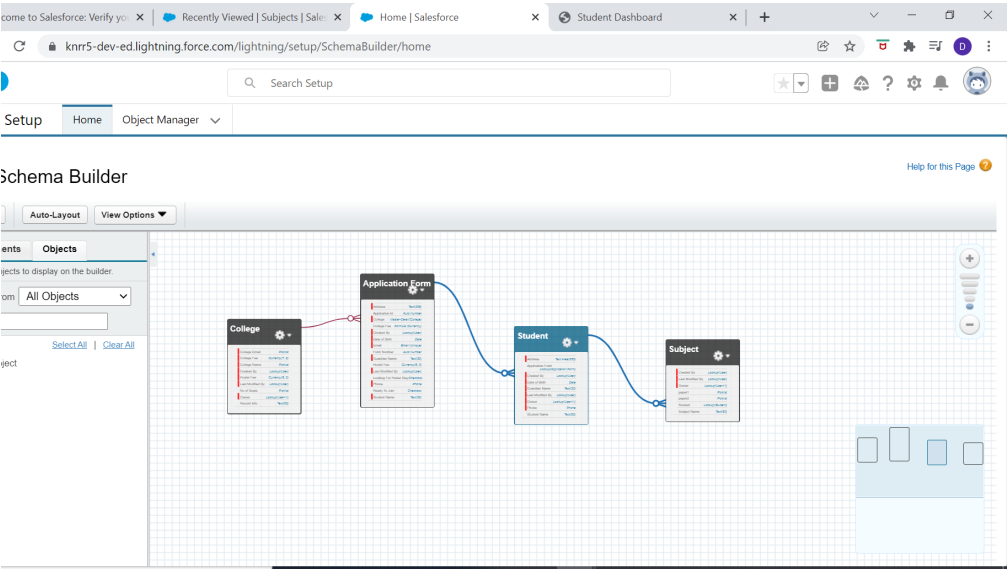
Day 3:

Topic 1: Adding Business logic to Application.

Milestone / Activities: Creating Global Picklist Value Sets.

Detailed Description: To Create Global Picklist Value Sets.

A) College

Picklist Value Name	Values
College	MIT-HYD
	MIT-BLR
	MIT-MUM
	MIT-DEL
	MIT-CHE

B)Paper 1

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

C)Paper 2

Picklist Value Name	Values
Paper 2	MATHEMATICS
	ENGLISH
	STATISTICS

Topic 2: Adding Business Logic to Application.

Milestone / Activities: Creating Field Dependencies.

Detailed Description:

1) : Field Dependencies I have created are between College Name and Email, where the Controlling field is college Name and dependent field is Email. I have selected Email Id's according to college names.

2) : I have created Field Dependencies between College name and no.of.seats, where Controlling field is College Name and dependent field is no.of.seats. I have alloted values accordingly.

Topic 3: Adding Business Logic to Application.

Milestone / Activities: Creating Validation Rules.

Detailed Description:

1) : I have created a Validation rule on College object which is designed in a way that College Name and Record info are having the same name.

TEXT(College_Name__c)<>Name

2) : I have created second rule where object is Application form and I have specified that once student record is created no modifications can be done

```
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)

)

)
```

Day 4:

Topic 1: Adding Business logic to Application.

Milestone / Activities: Process Automation.

Detailed Description: I have created automation process so that "ready to join" field is checked automatically with given information in the following application forms.

       a) First I have created a new process builder on "Application Form" object with condition as "When a record Change". And selected "When a record is created or edited".

       b) Then I have selected folowing field values related to application form and type as feld reference , values are related to field itself as shown below.

Day 5:

Topic 1: Adding Business Logic.

Milestone / Activities: Create Student Record flow.

Detailed Description:

a) First I have deactivated the process builder which I have created.

b) Then created new trigger flow.

c) Then I have selected object as application form and

selected configure trigger as "when the record is updated for entire criteria selected as ready to join equals to true".

d) Then created a variable named student in the resource section.

e) Then added all the variables,operators and values.

Screenshot or Milestone of Activity:
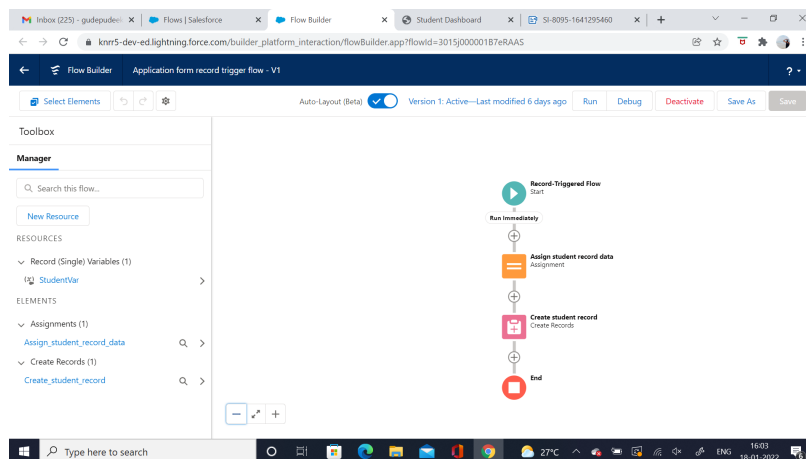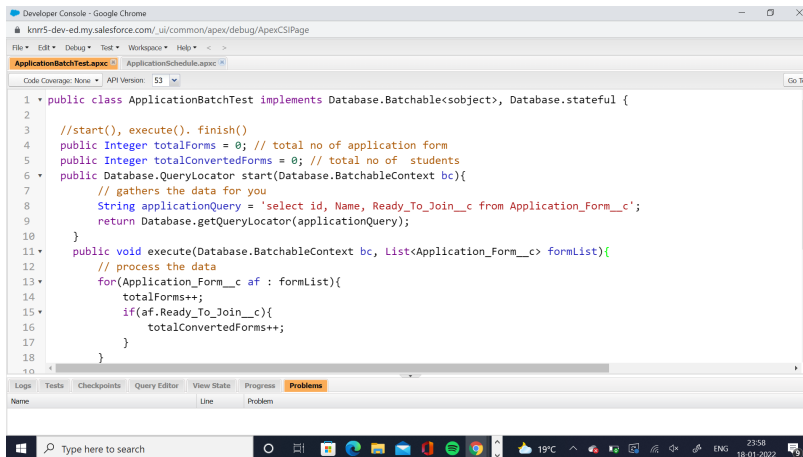
Day 6:

Topic 1: Batch Apex.

Milestone / Activities: Creating batchapex for Application Form.

Detailed Description: From developer console created a new apex class then entered the code.

Screenshot of Milestone / Activitie :

Topic 2: Batch apex.

Milestone / Activities: Creating a Schedular Class.

Detailed Description: From developer console created a apex class and entered the code.

Screenshot of Milestone / Activities :

Day 7:

Topic 1: Lightning Web Components.

Milestones / Activities : Creating College Datatable Component(APEX FILE)

Detailed Description : I have created college datatable for this I have created apex class to retrive data.

Screenshot of Milestone / Activitie:
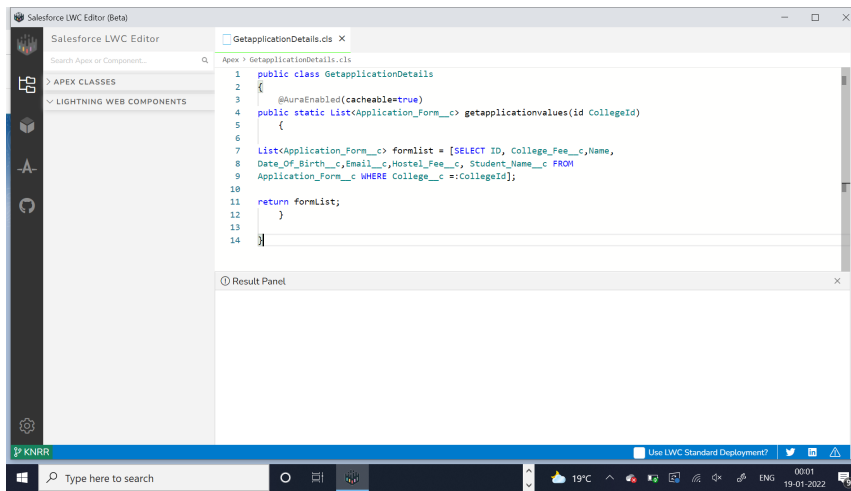
Day 8:

Topic 1: Lightning Web Components.

Milestones / Activities : college datatable component using HTML file.

Screenshot of Milestone / Activity :

Day 9 :

Topic 1 : Lightning Web Components.

Milestones / Activities : college database component using JAVASCRIPT file.
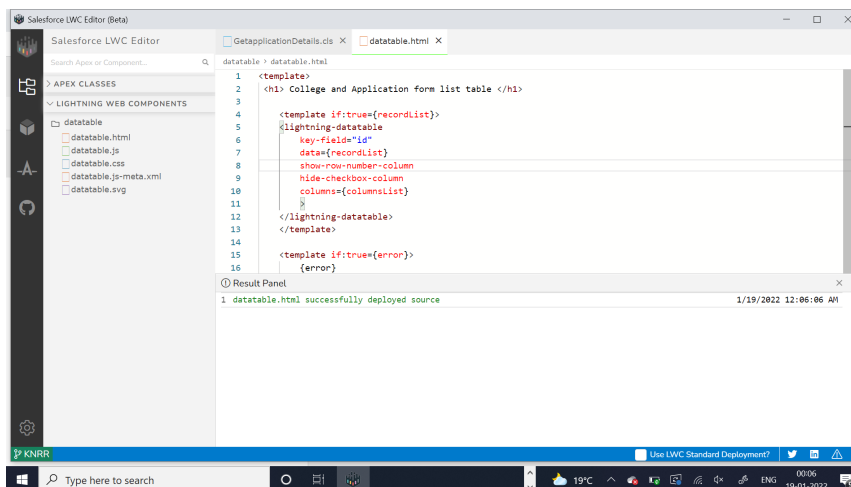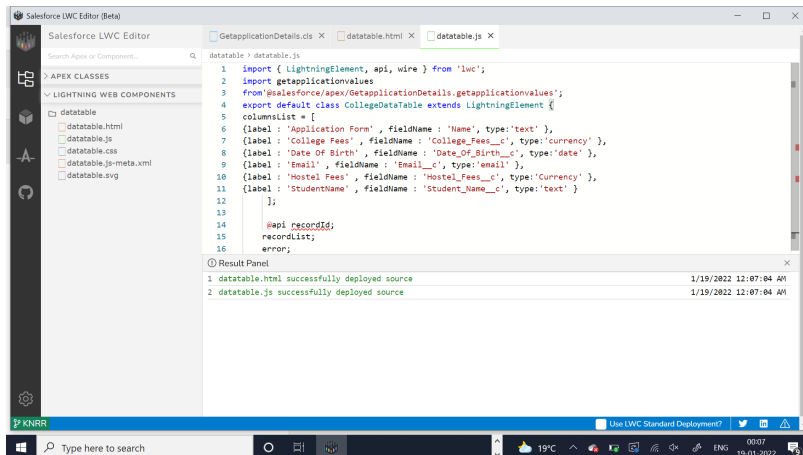
Screenshot of Milestone / Activities :

Day 10 :

Topic 1 : Lightning Web Components.

Milestones / Activities : college component using METE file.

Screenshot of Milestone / Activities :

Salesforce LWC Editor

datatable.js-meta.xml ✕

datatable > datatable.js-meta.xml

```
1    <?xml version="1.0"?>
2    <LightningComponentBundle
3    xmlns="http://soap.sforce.com/2006/04/metadata">
4        <apiVersion>51.0</apiVersion>
5        <isExposed>true</isExposed>
6        <targets>
7            <target>lightning__RecordPage</target>
8            <target>lightning__AppPage</target>
9            <target>lightning__HomePage</target>
10       </targets>
11   </LightningComponentBundle>
```

APEX CLASSES

∨ LIGHTNING WEB COMPONENTS

📁 datatable
  ☐ datatable.html
  ☐ datatable.js
  ☐ datatable.css
  ☐ datatable.js-meta.xml
  ☐ datatable.svg

KNRR   ☐ Use LWC Standard Deployment?

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