

Day 1: 03/01/2022, Monday

Topic : Create your salesforce developer org to get started

Milestone/Activities : Creating developer account Account activation Login to your salesforce account

Detailed Description : First I sign up the developers salesforce.com/with all required information , then I clicked sign up button after I got email for activating the developer account ,then I verified the account , after that I logged into the salesforce account ,after I created college management application in lightening app through app manager.

Upload the screenshot the Milestone / Activities :

The screenshot shows the Trailhead Salesforce user profile page at trailhead.salesforce.com/users/profiles/orgs. The user is Rikit Maheshwari, with 111 badges and 66,650 points. The page displays a list of connected developer editions:

- Connected Orgs (12)**
 - Developer Edition** (LAST USED)
 - Username: rikit@jcrc.com
 - Type: Developer Edition
 - Connected: 1/16/2022
 - Last Activity: Connected on 1/16/2022

[Rename](#) [Disconnect](#) [Launch](#)
 - New New**
 - Username: creative-panda-be40in.com
 - Type: Trailhead Playground
 - Created: 12/17/2021
 - Last Activity: Set Up and Manage Shield Platform Encryption on 12/19/2021

[Rename](#) [Disconnect](#) [Launch](#)
 - Creative Bear Playground**
 - Username: cunning-wolf-s53jw.com
 - Type: Trailhead Playground
 - Created: 10/19/2021
 - Last Activity: Created on 10/19/2021

[Rename](#) [Disconnect](#) [Launch](#)

The screenshot shows a Microsoft Edge browser window with the address bar displaying the URL: jeccuniversity86-dev-ed.lightning.force.com/lightning/o/College_c/list?filterName=Recent. The page title is "College Management". The main content area is titled "Recently Viewed" under the "Colleges" section. It lists 6 items, all labeled "MIT-XX" where XX represents a two-letter code: CCU, DEL, MAA, MUM, BLR, and HYD. The interface includes standard Salesforce navigation elements like "New", "Import", and "Change Owner" buttons, along with a search bar and various toolbar icons.

Rank	Code
1	MIT-CCU
2	MIT-DEL
3	MIT-MAA
4	MIT-MUM
5	MIT-BLR
6	MIT-HYD

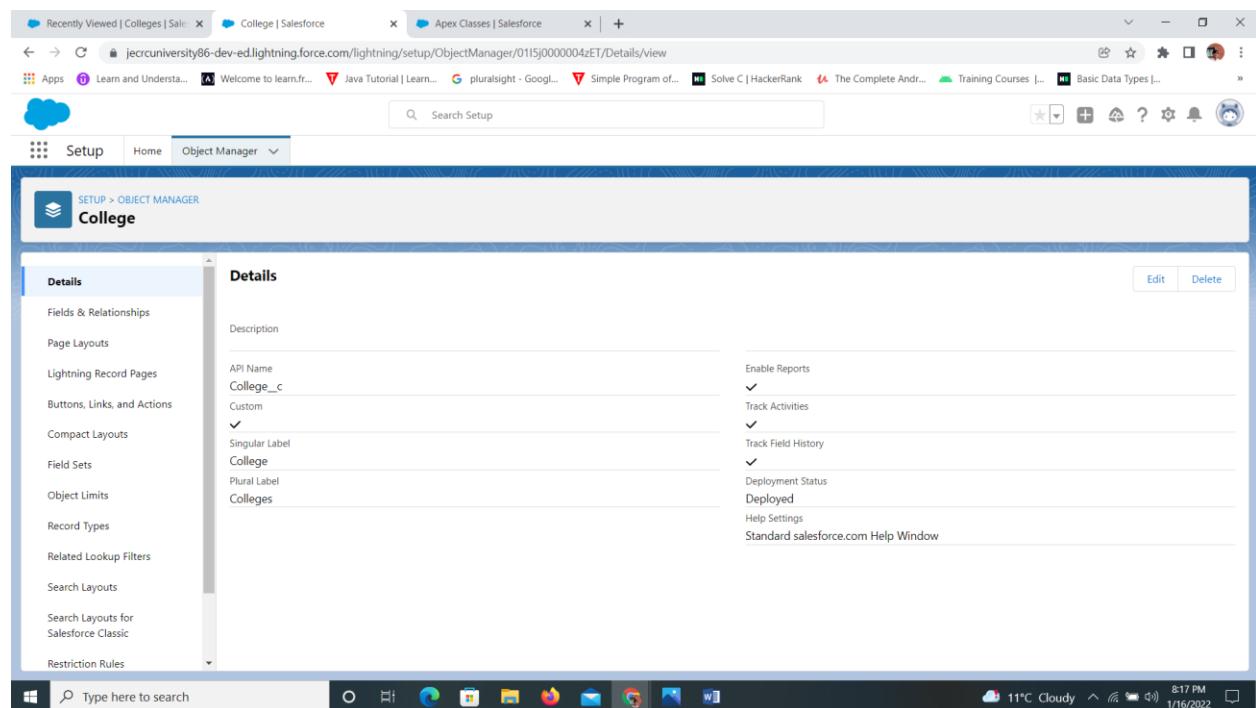
Day 2 : 04/01/2022

Topic : Custom object creation

Milestone / Activities : Create the custom object for the application Create fields on college object

Detailed Description : First I sign up the developers.salesforce.com/with all required information ,then I clicked setup and later object manager after I created custom objects .

Upload the screenshot the Milestone/Activities: COLLEGE



Screenshot of the Salesforce Object Manager interface for the 'College' object.

The page shows the 'Fields & Relationships' section with 9 items, sorted by Field Label.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Capacity Of Students	Capacity__c	Picklist	College Name	
College Fees	College_Fees__c	Currency(7, 2)		
College Name	College_Name__c	Picklist		
Created By	CreatedBy	Lookup(User)		
Email	Email__c	Picklist	College Name	
Hostel Fees	Hostel_Fees__c	Currency(6, 2)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User/Group)		✓
Record Info	Name	Text(80)		✓

The left sidebar lists various setup categories: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules.

The browser address bar shows the URL: jeccuniversity86-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j0000004zET/FieldsAndRelationships/view.

The system status bar at the bottom indicates: 11°C Cloudy, 8:17 PM, 1/16/2022.

Day 3 : 05/01/2022

Topic : custom object creation

Milestone/Activities : create fields on application form object create fields on student object create fields on subject object

The screenshot shows the Salesforce Setup interface with the following details:

Object Manager > **Application Form**

Details tab selected.

Fields & Relationships sidebar:

- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Search Layouts
- Search Layouts for Salesforce Classic
- Restriction Rules

Details section:

Description	Enable Reports
API Name Application_Form__c	✓
Custom ✓	Track Activities
Singular Label Application Form	Track Field History
Plural Label Applications	Deployment Status
	Deployed
	Help Settings
	Standard salesforce.com Help Window

Fields & Relationships tab selected.

Fields & Relationships table:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
College	College__c	Master-Detail(College)		✓
College Fees	College_Fees__c	Formula (Currency)		
Created By	CreatedById	Lookup(User)		
Date Of Birth	Date_Of_Birth__c	Date		
Email	Email__c	Email (Unique)		✓
Form Number	Name	Auto Number		✓
Guardian Name	Guardian_Name__c	Text(30)		
Hostel Fees	Hostel_Fees__c	Formula (Currency)		

The screenshot shows a Microsoft Edge browser window with three tabs open:

- Recently Viewed | Applications
- Application Form | Salesforce
- Apex Classes | Salesforce

The main content area displays the 'Recently Viewed' section of the Salesforce application manager. The list shows three items under 'Form Number':

Form Number
1 Form-00000003
2 Form-00000002
3 Form-00000001

Below this, there is a large, mostly blank white space.

The screenshot shows a Microsoft Edge browser window with three tabs open:

- Recently Viewed | Applications
- Students | Salesforce
- Apex Classes | Salesforce

The main content area displays the 'Students' object setup details in the Object Manager. The left sidebar shows navigation options like Details, Fields & Relationships, Page Layouts, etc. The right panel shows the following details for the 'Students' object:

Details	
Description	
API Name	Students__c
Custom	✓
Singular Label	Students
Plural Label	Students
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

Below this, there is a large, mostly blank white space.

Screenshot of the Salesforce Object Manager interface showing the Fields & Relationships for the Students object.

The interface includes a sidebar with various setup options like Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, etc.

Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
Application Form	Application_Form__c	Lookup(Application Form)		✓
College Name	College_Name__c	Formula (Text)		
Created By	CreatedBy	Lookup(User)		
Date Of Birth	DateOfBirth__c	Date		
Guardian Name	Guardian_Name__c	Text(30)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User;Group)		✓
Phone	Phone__c	Phone		

Recently Viewed

Students Name
1 Adish
2 Mohit
3 Ritik

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for Recently Viewed, Subjects, Apex Classes, and a new tab. Below the navigation is a search bar and a toolbar with various icons. The main content area is titled "SETUP > OBJECT MANAGER Subjects". On the left is a sidebar with a "Details" section containing links to Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules. The right side displays the "Details" tab for the Subjects object, which includes fields for API Name (Subjects__c), Singular Label (Subjects), Plural Label (Subjects), Description, Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), Help Settings (Standard salesforce.com Help Window), and a "Edit" and "Delete" button.

The screenshot shows the Salesforce Object Manager interface, similar to the previous one but with a different tab selected. The top navigation bar and sidebar are identical. The main content area is titled "SETUP > OBJECT MANAGER Subjects". The left sidebar has a "Fields & Relationships" section selected, listing Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules. The right side displays the "Fields & Relationships" table for the Subjects object, showing 8 items sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The data includes:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Paper 1	Paper_1__c	Picklist		
Paper 2	Paper_2__c	Picklist		
Students	Students__c	Lookup(Students)		✓
Subject ID	Subject_ID__c	Auto Number		
Subjects Name	Name	Text(80)		✓

Day 4 : 06/01/2022

Topic : Adding Business Logic To Application

Milestone / Activities : Create Global Picklist Value Sets ,Create Feild Dependencies

Detailed Description :First I signed up the developers.salesforces.com/with all required information,then I created global picklist values college ,paper 1 and paper 2 in picklist value set then I created field dependencies ,after that I created validation rule on the college object .

Upload the screenshot the Milestone/Activities:Global picklist values

The screenshot shows the Salesforce Setup interface with the following details:

Page Title: Picklist Value Sets

Section: Global Value Sets

Table Headers: Action, Label, Description

Table Data:

Action	Label	Description
Edit Del	College.Name	
Edit Del	Paper_1	
Edit Del	Paper_2	

Deleted Global Value Sets (0)

Page Title: Picklist Value Sets

Section: Global Value Set

Table Headers: Values, Inactive Values, Fields Where Used

Table Data:

Label	Name	Description
College Name	College_Name	

Section: Picklist Values Used

Table Headers: Active and inactive picklist values, Edit, Delete

Table Data:

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	MIT-HYD	MIT-HYD	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 3:16 AM
Edit Del Deactivate	MIT-BLR	MIT-BLR	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 3:16 AM
Edit Del Deactivate	MIT-MUM	MIT-MUM	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 3:16 AM
Edit Del Deactivate	MIT-MAA	MIT-MAA	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 3:16 AM
Edit Del Deactivate	MIT-DEL	MIT-DEL	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 3:16 AM

Recently Viewed | Students | Sales | Picklist Value Sets | Salesforce | Apex Classes | Salesforce

jeccruniversity86-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0N15j000000L8vI

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Setup Home Object Manager

Q Search Setup

Cloud icon

Q picklist

v Data

- Picklist Settings
- State and Country/Territory Picklists

v Objects and Fields

- Picklist Value Sets

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

SETUP Picklist Value Sets

Global Value Set

< Back to List

Values (6) | Inactive Values (0) | Fields Where Used (0) | Help for this Page

Global Value Set Detail

Information

Label	Paper 1
Name	Paper_1
Description	

Edit Delete

Picklist Values Used

Active and inactive picklist values 4 (1,000 max)

Edit Delete

Values

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	APEX	APEX	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 8:11 AM
Edit Del Deactivate	C	C	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 8:11 AM
Edit Del Deactivate	C++	C++	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 8:11 AM
Edit Del Deactivate	JAVA	JAVA	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 8:11 AM

javascript:srcUp(%27%2F0N15j000000L8vI%3Fisdtpp%3Dp1%27);

11°C Cloudy 8:19 PM 1/16/2022

Recently Viewed | Students | Sales | Picklist Value Sets | Salesforce | Apex Classes | Salesforce

jeccruniversity86-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F0N15j000000L8vI

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Setup Home Object Manager

Q Search Setup

Cloud icon

Q picklist

v Data

- Picklist Settings
- State and Country/Territory Picklists

v Objects and Fields

- Picklist Value Sets

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

SETUP Picklist Value Sets

Global Value Set

< Back to List

Values (3) | Inactive Values (0) | Fields Where Used (0) | Help for this Page

Global Value Set Detail

Information

Label	Paper2
Name	Paper2
Description	

Edit Delete

Picklist Values Used

Active and inactive picklist values 3 (1,000 max)

Edit Delete

Values

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	ENGLISH	ENGLISH	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 8:11 AM
Edit Del Deactivate	MATHEMATICS	MATHEMATICS	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 8:11 AM
Edit Del Deactivate	STATISTICS	STATISTICS	<input type="checkbox"/>	Assigned dynamically	RITIK MAHESHWARI 1/9/2022, 8:11 AM

Inactive Values

javascript:srcUp(%27%2F0N15j000000L8vI%3Fisdtpp%3Dp1%27);

11°C Cloudy 8:19 PM 1/16/2022

Salesforce screenshot showing the 'College Field Dependencies' page.

The page title is 'College Field Dependencies' under 'College' in 'OBJECT MANAGER'. The sub-header says: 'This page allows you to define dependencies between fields (e.g., dependent picklists).'

The main content area displays a table titled 'Field Dependencies' with the following data:

Action	Controlling Field	Dependent Field	Modified By
Edit Del	College Name	Email	RITIK MAHESHWARI, 1/9/2022, 3:41 AM
Edit Del	College Name	Capacity Of Students	RITIK MAHESHWARI, 1/9/2022, 7:16 AM

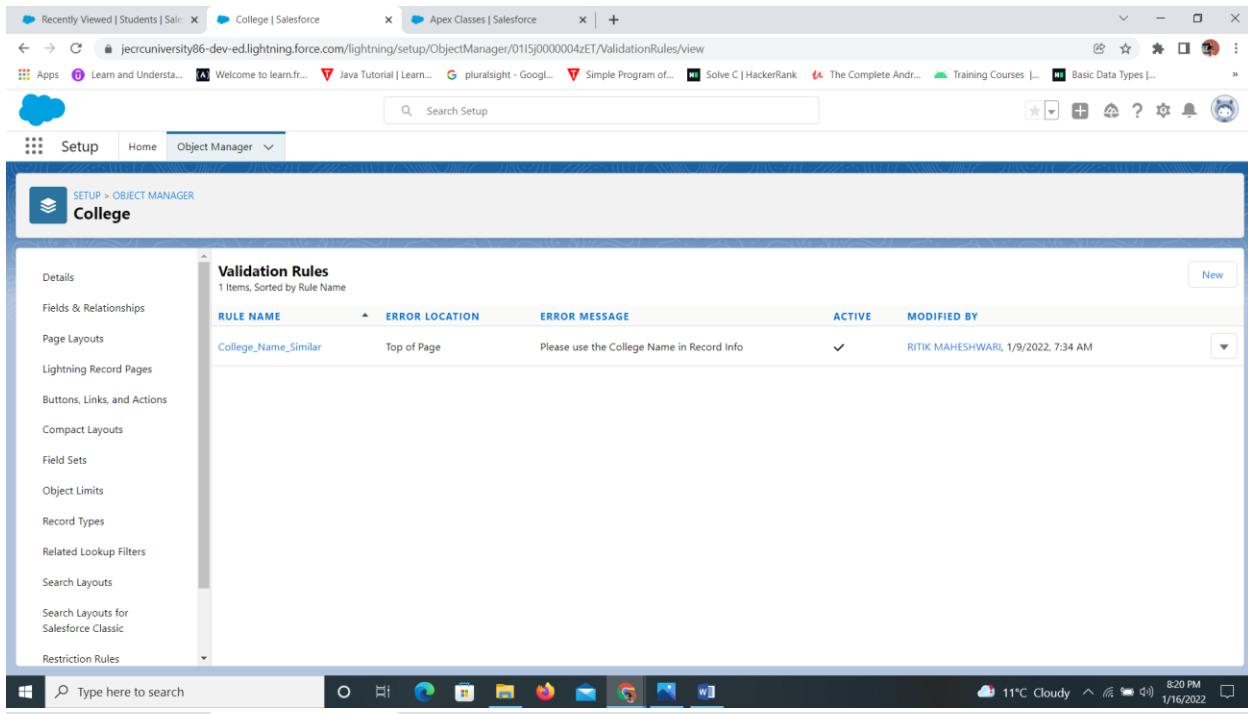
The left sidebar shows navigation links for 'Fields & Relationships' including: Details, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules.

The top navigation bar shows tabs: Recently Viewed | Students | Sales, College | Salesforce, Apex Classes | Salesforce, and a plus sign for new tabs. The address bar shows the URL: jeccuniversity86-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01l5j0000004zET/FieldsAndRelationships/viewDependencyList. The toolbar includes icons for Home, Object Manager, Search Setup, and various system settings.

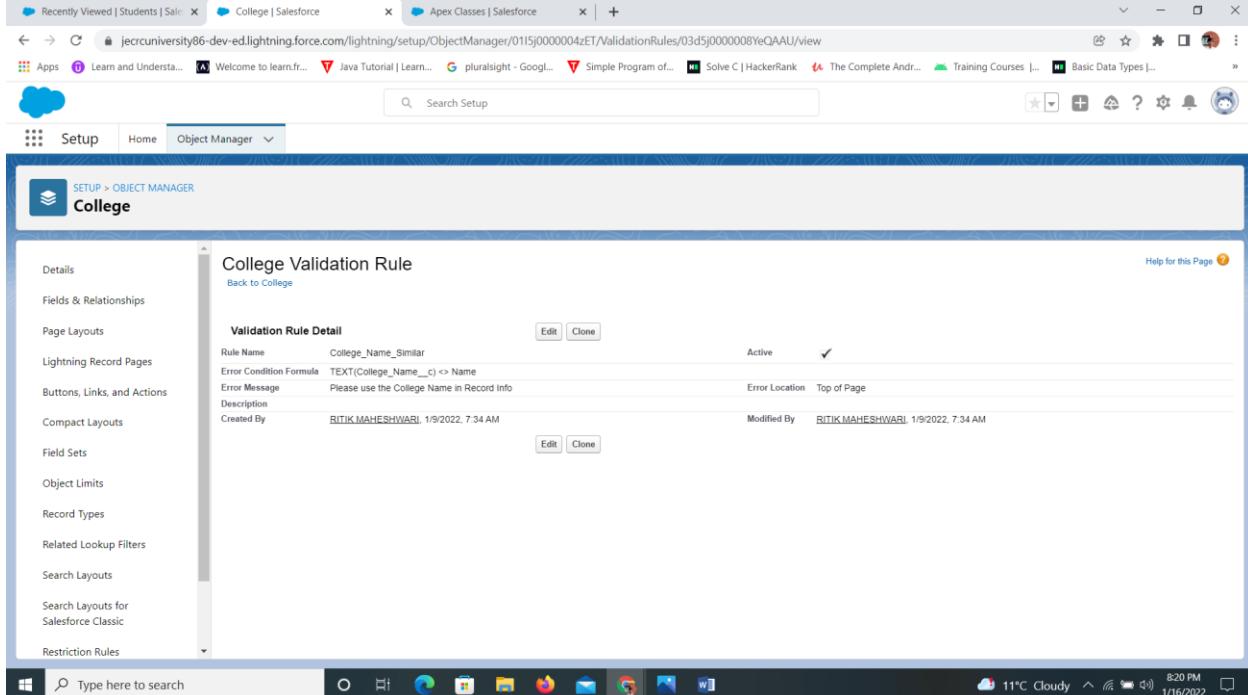
Day 5 : 07/01/2022

Topic: Adding business logic to application

Milestone/Activities: creating validation rules Validation rules: college object



The screenshot shows the Salesforce Setup interface for the College object. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, etc. The main area displays a table titled 'Validation Rules' with one item: 'College_Name_Similar'. The rule is active, created by RITIK MAHESHWARI on 1/9/2022 at 7:34 AM, and its error message is 'Please use the College Name in Record Info'. The error location is set to 'Top of Page'.



The screenshot shows the details of the 'College Validation Rule' named 'College_Name_Similar'. The rule is active and was created by RITIK MAHESHWARI on 1/9/2022 at 7:34 AM. The validation formula is 'TEXT(College_Name__c) <> Name'. The error message is 'Please use the College Name in Record Info'. The error location is set to 'Top of Page'.

Screenshot of the Salesforce Application Form Validation Rules page.

Validation Rules

Rule Name	Error Location	Error Message	Active	Modified By
Stop_modify_Application_Form	Top of Page	Once the form is submitted, it cannot be edited. Please enter proper information.	✓	RITIK MAHESHWARI, 1/10/2022, 6:56 AM

Application Form Validation Rule

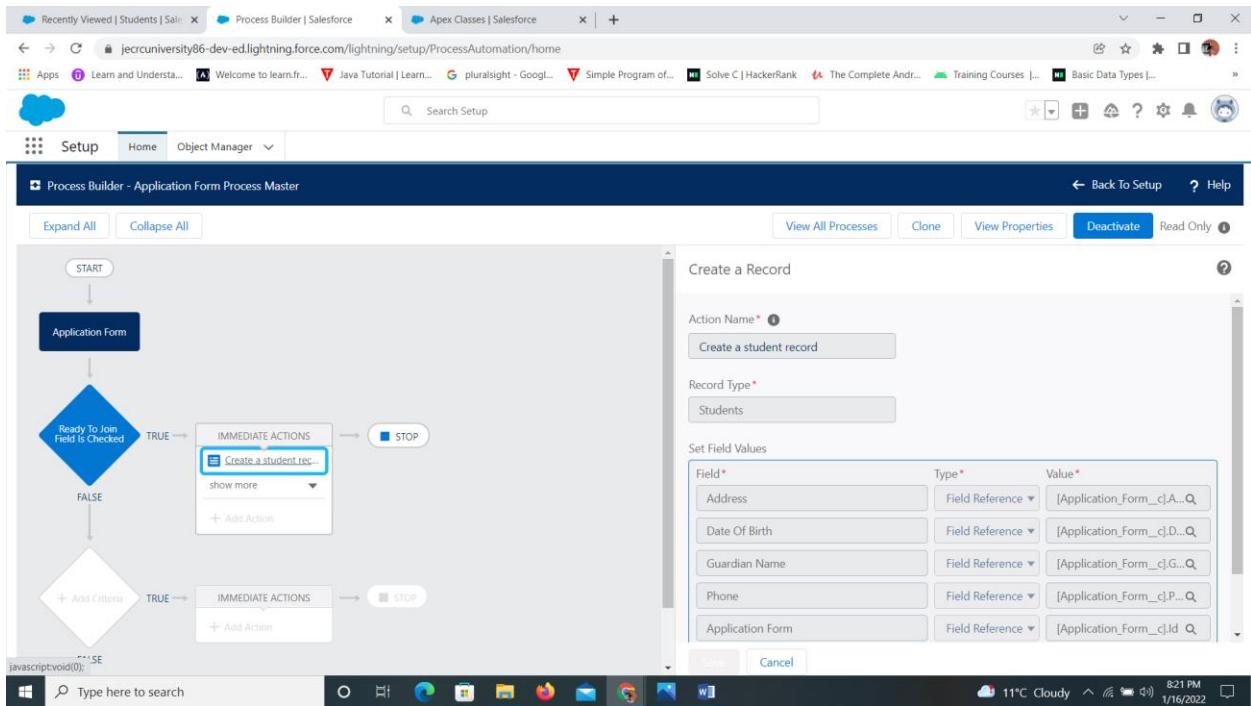
Validation Rule Detail

Rule Name	Stop_modify_Application_Form	Edit Clone
Error Condition Formula	<pre>AND(Ready_To_Join__c == true, ISCHANGED(Address__c), ISCHANGED(College__c), ISCHANGED(dateOfBirth__c), ISCHANGED(DOB__c), ISCHANGED(Guardian.Name__c), ISCHANGED(Phone__c))</pre>	Active ✓
Error Message	Once the form is submitted, it cannot be edited. Please enter proper information.	Error Location Top of Page
Description		
Created By	RITIK MAHESHWARI, 1/10/2022, 6:56 AM	Modified By RITIK MAHESHWARI, 1/10/2022, 6:56 AM

Day 6 :10/01/2022

Topic : Adding business logic to application

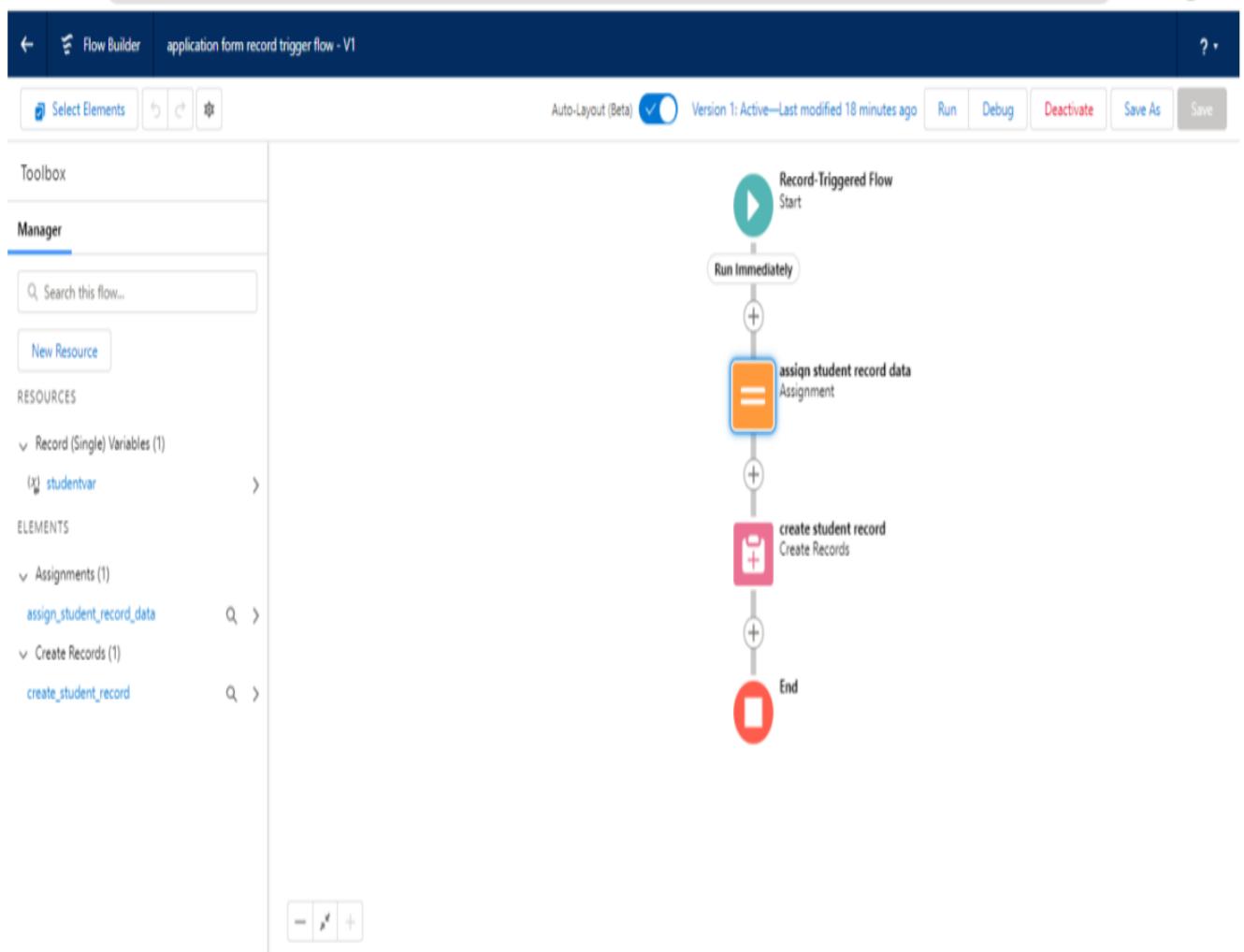
Milestone/Activities: process automation



Day 7: 11/01/2022

Topic: Adding Business Logic To Application

Milestone/Activities: CREATE THE STUDENT RECORD USING FLOW



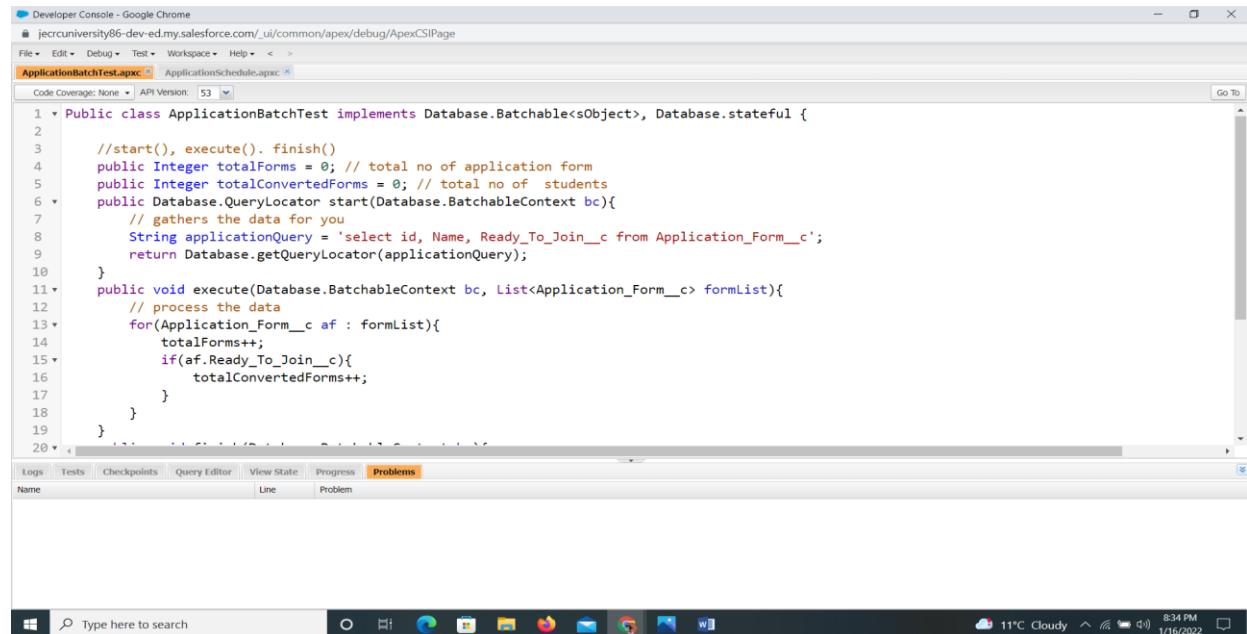
Day 9: 13/01/2022

Topic: Batch Apex

Milestone/Activities: Create Batch Apex For Application Form Create A Schedular Class Detailed

Description : First I Signed up the developers .salesforce.com/with all required information,then I went to developer console after that I created batch apex for application form,after this by same process I created a schedular class. Upload the screenshot the

Milestone/Activities : Create a batch apex for application form



The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Google Chrome". The URL is "jccruniversity86-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The tabs at the top are "ApplicationBatchTest.apxc" (which is active) and "ApplicationSchedule.apxc". Below the tabs, there are dropdown menus for "File", "Edit", "Debug", "Test", "Workspace", "Help", and "Go To". The main area displays the Apex code for the "ApplicationBatchTest" class:

```
1 * Public class ApplicationBatchTest implements Database.Batchable<sObject>, Database.stateful {
2
3     //start(), execute(). finish()
4     public Integer totalForms = 0; // total no of application form
5     public Integer totalConvertedForms = 0; // total no of students
6     public Database.QueryLocator start(Database.BatchableContext bc){
7         // gathers the data for you
8         String applicationQuery = 'select id, Name, Ready_To_Join__c from Application_Form__c';
9         return Database.getQueryLocator(applicationQuery);
10    }
11    public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
12        // process the data
13        for(Application_Form__c af : formList){
14            totalForms++;
15            if(af.Ready_To_Join__c){
16                totalConvertedForms++;
17            }
18        }
19    }
20 }
```

Below the code editor, there are tabs for "Logs", "Tests", "Checkpoints", "Query Editor", "View State", "Progress", and "Problems". The "Problems" tab is selected, showing "Name", "Line", and "Problem" columns. The status bar at the bottom shows "8:34 PM" and "1/16/2022".

Developer Console - Google Chrome
jccruniversity86-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help < >
ApplicationBatchTest.apxc ApplicationSchedule.apxc

Code Coverage: None API Version: 53 Go To

```
1 public class ApplicationSchedule implements Schedulable{
2
3     public void execute(SchedulableContext sc){
4
5         ApplicationBatchTest abt = new ApplicationBatchTest();
6
7         Database.executeBatch(abt, 400); // 200 to 2000
8     }
9 }
```

Logs Tests Checkpoints Query Editor View State Progress problems

Name Line Problem

Type here to search 8:34 PM 1/16/2022

Recently Viewed | Students | Sales Flows | Salesforce Flow Builder Apex Classes | Salesforce

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Cloud Setup Home Object Manager

Quick Find

Setup Home Service Setup Assistant Multi-Factor Authentication Assistant Release Updates Lightning Experience Transition Assistant New Salesforce Mobile App QuickStart Lighting Usage Optimizer ADMINISTRATION Users Data Email PLATFROM TOOLS Apps Feature Settings Einstein Objects and Fields

Apex Classes

Percent of Apex Used: 0.02% You are currently using 1,474 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization.

Estimate your organization's code coverage | Compile all classes | View: All Create New View

Action	Name	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
Edit Del Security	ApplicationBatchTest		53.0	Active	1,257	RITIK MAHESHWARI	1/16/2022, 4:57 AM
Edit Del Security	ApplicationSchedule		53.0	Active	217	RITIK MAHESHWARI	1/16/2022, 5:32 AM

Type here to search 8:34 PM 1/16/2022