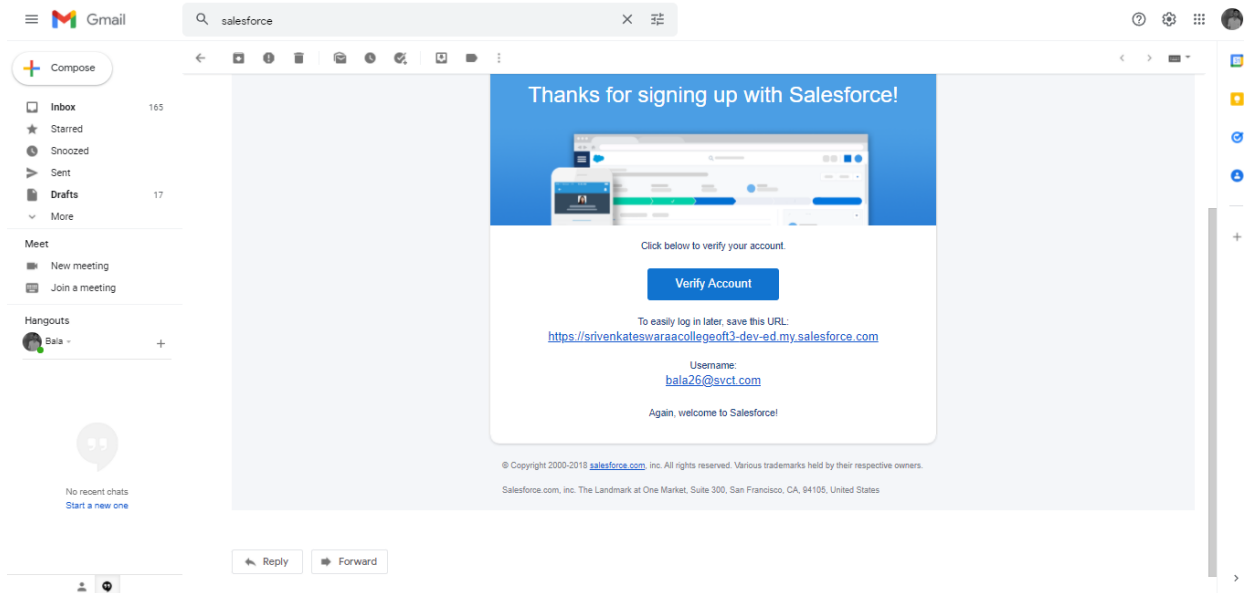
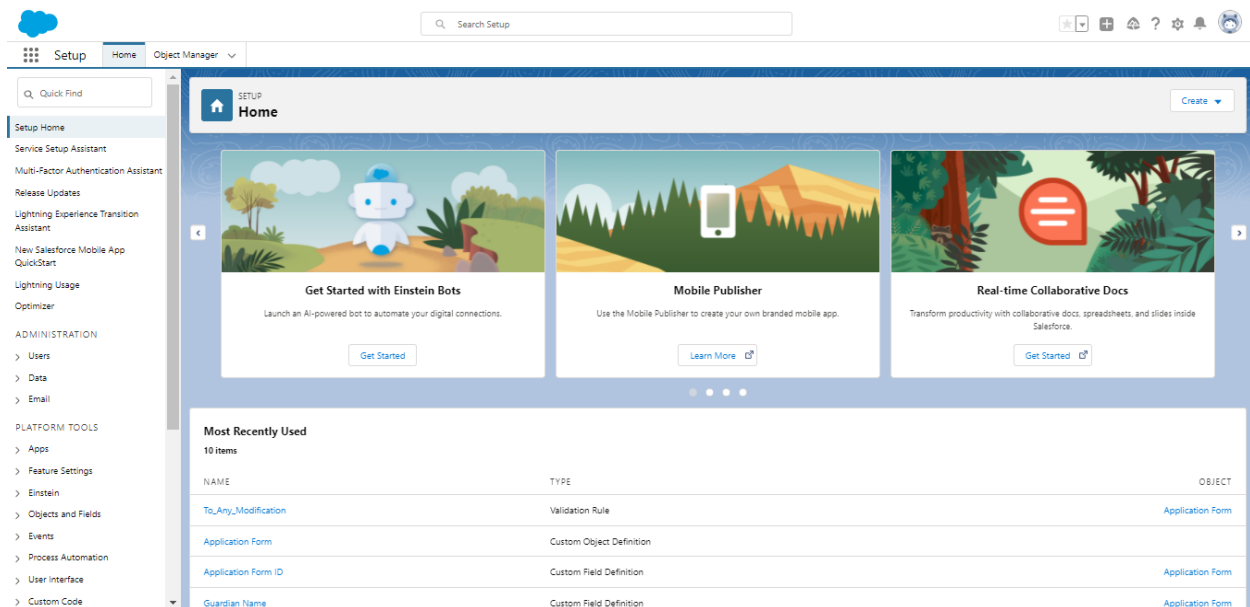


# Task 1 : Create Your Salesforce Developer Org To Get Started

## Account Activation

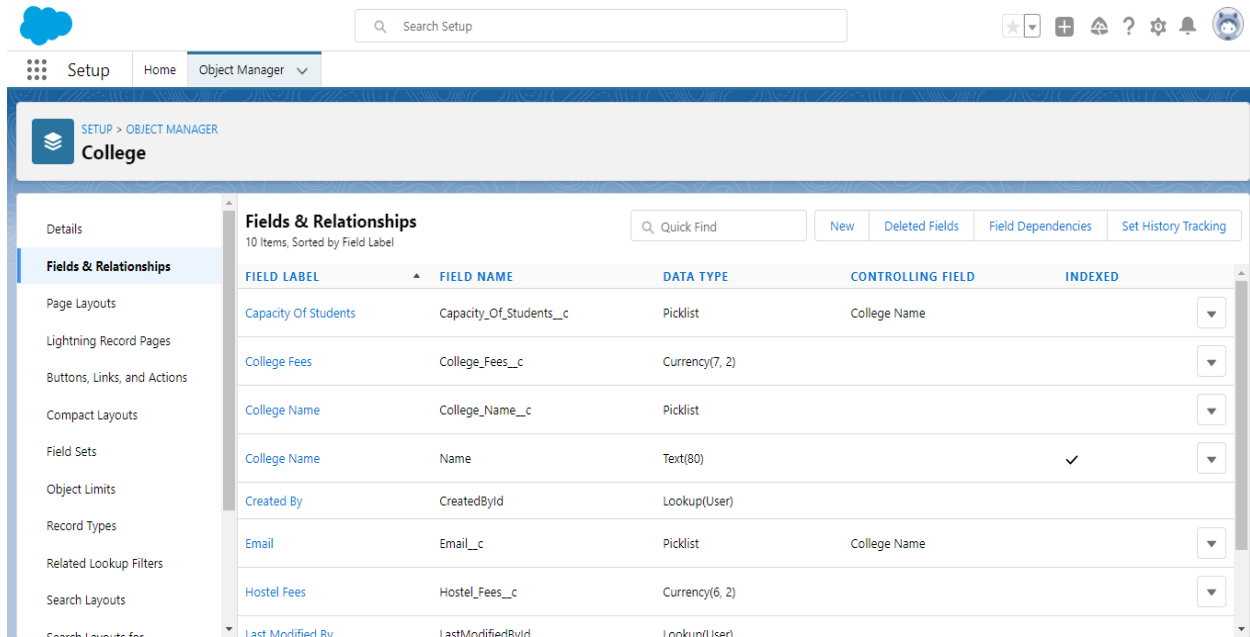


## Salesforce Login



## Task 2 : Create Custom Object

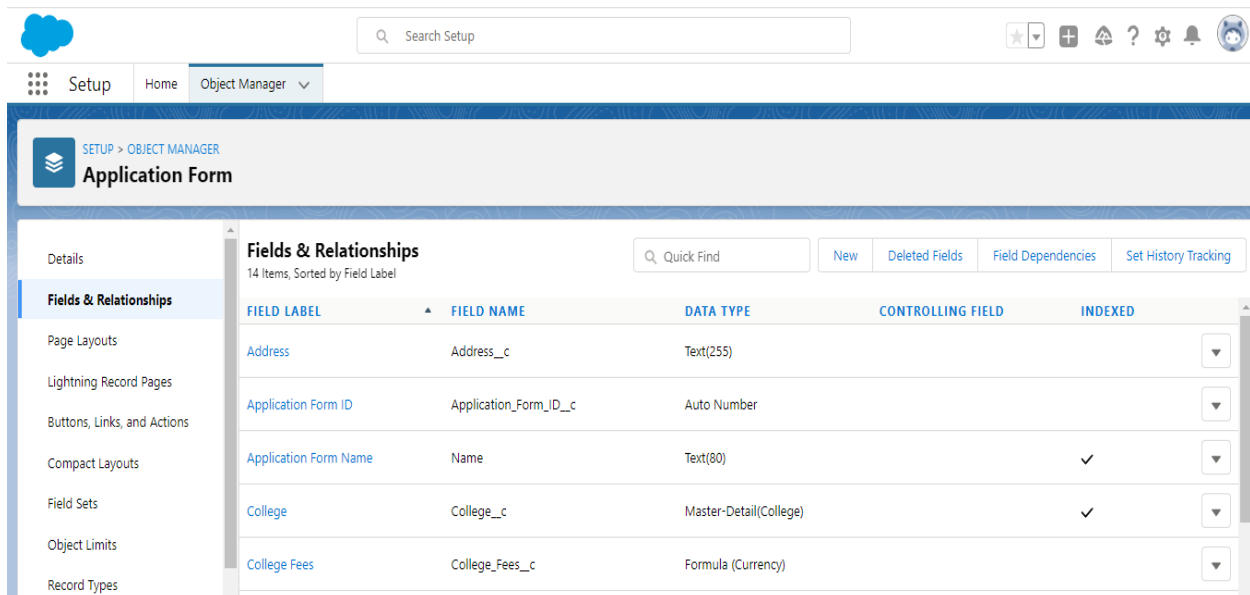
### Create Fields On College Object



The screenshot shows the Salesforce Setup interface for the 'College' object. The 'Fields & Relationships' section is active, displaying a list of 10 fields. The fields are sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Capacity of Students	Capacity_Of_Students__c	Picklist	College Name	
College Fees	College_Fees__c	Currency(7, 2)		
College Name	College_Name__c	Picklist		
College Name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Email	Email__c	Picklist	College Name	
Hostel Fees	Hostel_Fees__c	Currency(6, 2)		
Last Modified By	LastModifiedById	Lookup(User)		

### Create Fields On Application Form Object



The screenshot shows the Salesforce Setup interface for the 'Application Form' object. The 'Fields & Relationships' section is active, displaying a list of 14 fields. The fields are sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
Application Form ID	Application_Form_ID__c	Auto Number		
Application Form Name	Name	Text(80)		✓
College	College__c	Master-Detail(College)		✓
College Fees	College_Fees__c	Formula (Currency)		

## Create Fields On Student Object

The screenshot shows the Salesforce Setup interface for the 'Students' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Fields & Relationships' and shows 11 items, sorted by Field Label. The table below lists the fields and their properties.

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	CreatedById	Lookup(User)		
Date Of Birth	Date_Of_Birth__c	Date		
Guardian Name	Guardian_Name__c	Text(30)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

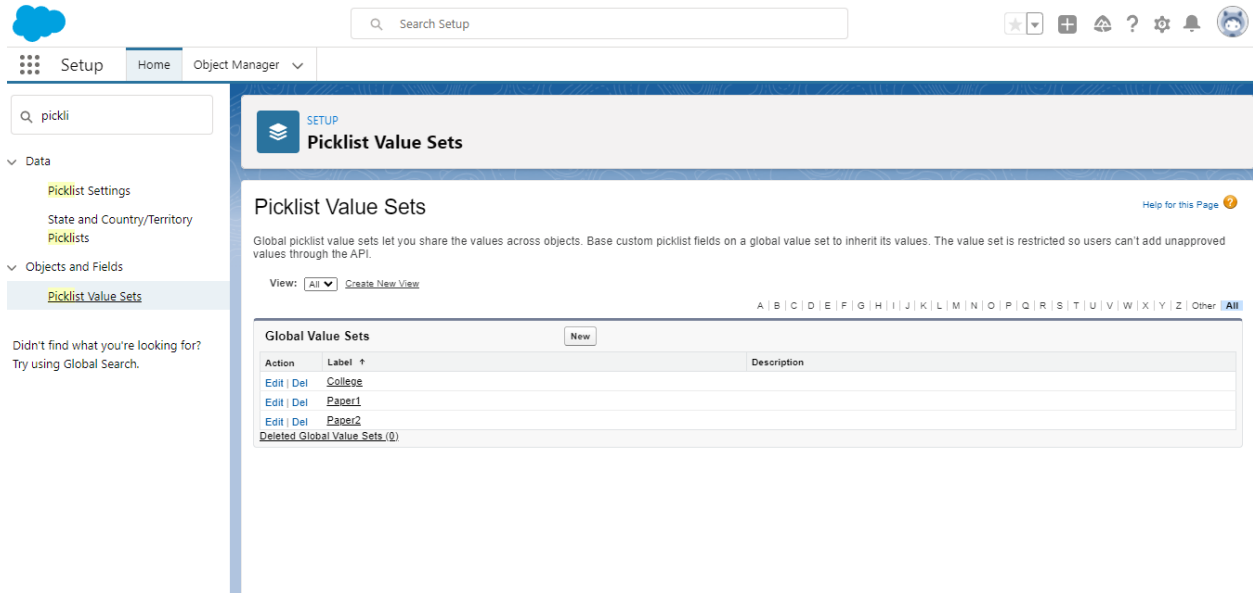
## Create Fields On Subject Object

The screenshot shows the Salesforce Setup interface for the 'Subjects' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Fields & Relationships' and shows 8 items, sorted by Field Label. The table below lists the fields and their properties.

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		
Paper2	Paper2__c	Picklist		
Students	Students__c	Lookup(Students)		✓

# Task 3 : Adding Business Logic To Application

## Creating Global Picklist Value Sets

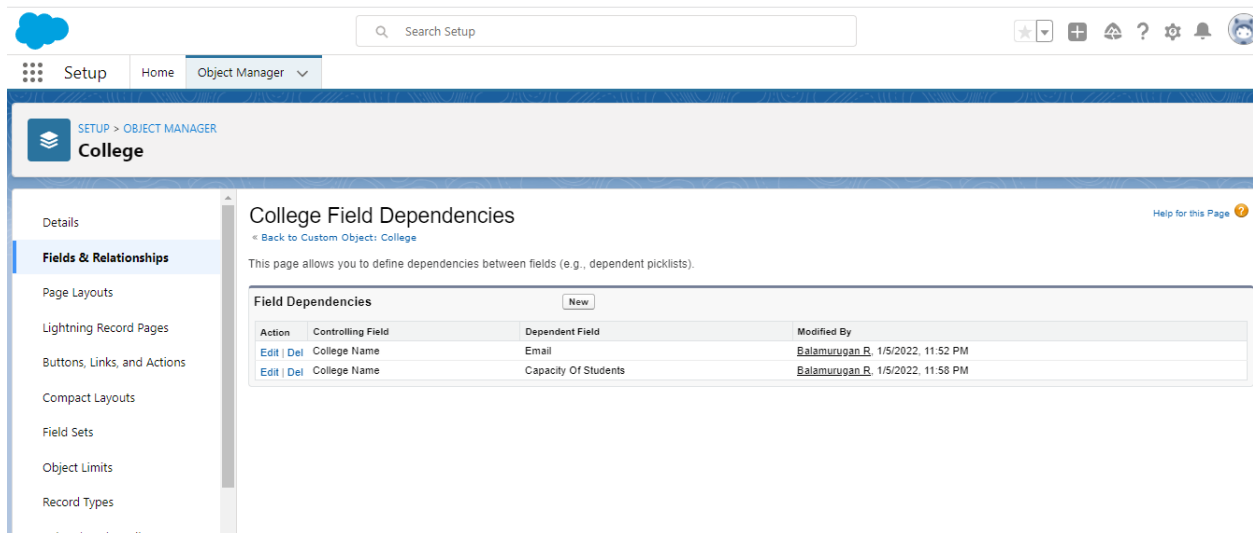


The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with 'pickli' and a navigation menu with 'Data' (Picklist Settings, State and Country/Territory, Picklists) and 'Objects and Fields' (Picklist Value Sets). The main content area is titled 'Picklist Value Sets' and includes a description: 'Global picklist value sets let you share the values across objects. Base custom picklist fields on a global value set to inherit its values. The value set is restricted so users can't add unapproved values through the API.' Below this is a table of 'Global Value Sets' with columns for Action, Label, and Description. The table lists three entries: 'College', 'Paper1', and 'Paper2'. A 'New' button is visible above the table.

Action	Label	Description
<a href="#">Edit</a>   <a href="#">Del</a>	College	
<a href="#">Edit</a>   <a href="#">Del</a>	Paper1	
<a href="#">Edit</a>   <a href="#">Del</a>	Paper2	

Deleted Global Value Sets (0)

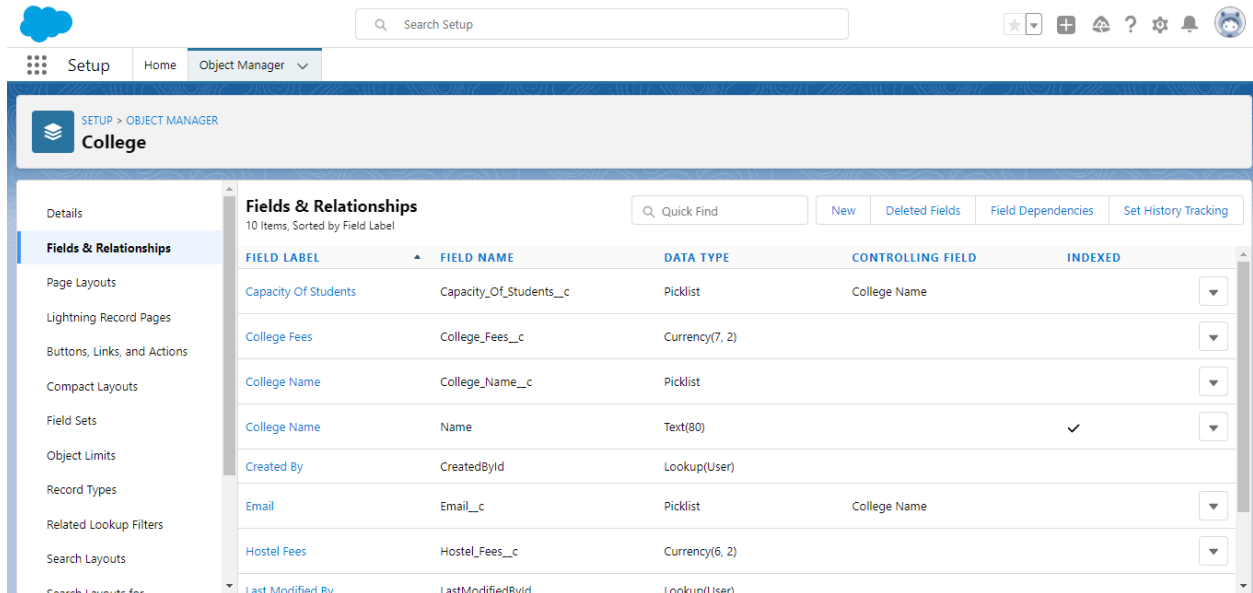
## Creating Field Dependencies



The screenshot shows the Salesforce Setup interface for 'College'. The left sidebar has a search bar with 'Search Setup' and a navigation menu with 'Details', 'Fields & Relationships' (highlighted), 'Page Layouts', 'Lightning Record Pages', 'Buttons, Links, and Actions', 'Compact Layouts', 'Field Sets', 'Object Limits', 'Record Types', and 'Related Lookup Filters'. The main content area is titled 'College Field Dependencies' and includes a description: 'This page allows you to define dependencies between fields (e.g., dependent picklists).' Below this is a table of 'Field Dependencies' with columns for Action, Controlling Field, Dependent Field, and Modified By. The table lists two entries: 'College Name' (controlling) and 'Email' (dependent), and 'College Name' (controlling) and 'Capacity Of Students' (dependent). A 'New' button is visible above the table.

Action	Controlling Field	Dependent Field	Modified By
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	Email	Balamurugan.R, 1/5/2022, 11:52 PM
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	Capacity Of Students	Balamurugan.R, 1/5/2022, 11:58 PM

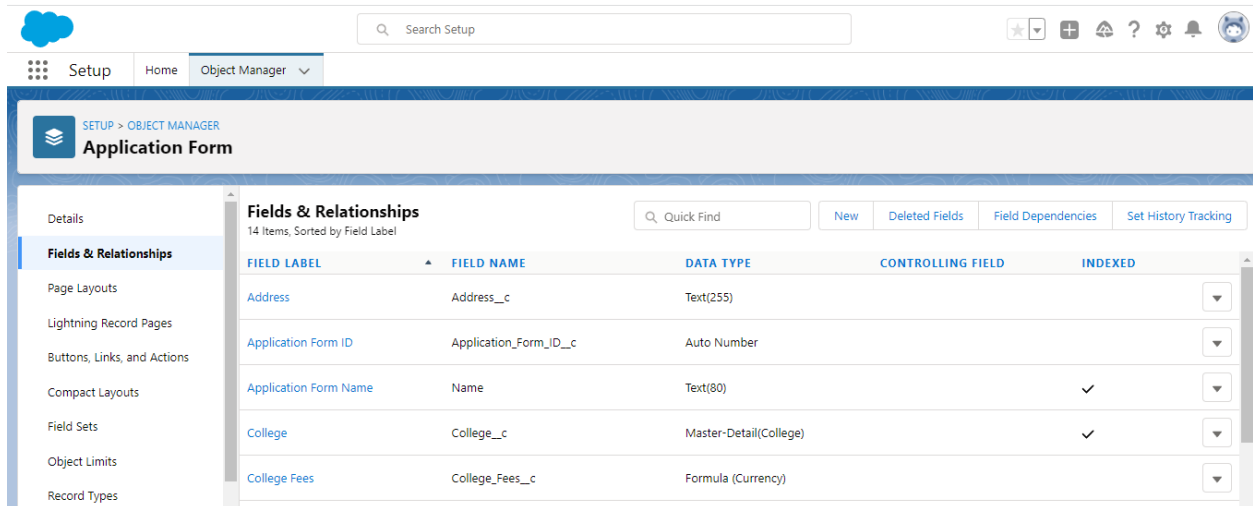
## Validation Rule On College Object



The screenshot shows the Salesforce Setup interface for the 'College' object. The left sidebar contains a navigation menu with options like 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, and Search Layouts for. The main content area is titled 'Fields & Relationships' and shows a list of 10 fields. The fields are sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Capacity Of Students, College Fees, College Name, College Name, Created By, Email, Hostel Fees, and Last Modified By.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Capacity Of Students	Capacity_Of_Students__c	Picklist	College Name	
College Fees	College_Fees__c	Currency(7, 2)		
College Name	College_Name__c	Picklist		
College Name	Name	Text(80)		✓
Created By	CreatedById	Lookup(User)		
Email	Email__c	Picklist	College Name	
Hostel Fees	Hostel_Fees__c	Currency(6, 2)		
Last Modified By	LastModifiedById	Lookup(User)		

## Validation Rule on Application Object



The screenshot shows the Salesforce Setup interface for the 'Application Form' object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Record Types. The main content area is titled 'Fields & Relationships' and shows a list of 14 fields. The fields are sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Address, Application Form ID, Application Form Name, College, and College Fees.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
Application Form ID	Application_Form_ID__c	Auto Number		
Application Form Name	Name	Text(80)		✓
College	College__c	Master-Detail(College)		✓
College Fees	College_Fees__c	Formula (Currency)		

# Process Automation

The screenshot displays the Salesforce Process Builder interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main header shows 'Process Builder - Student Record' with navigation links like 'Back To Setup' and 'Help'. Below the header, there are buttons for 'Expand All', 'Collapse All', 'View All Processes', 'Clone', 'Edit Properties', and 'Activate'.

The flowchart on the left starts with a 'START' node, followed by an 'Application Form' event. A decision diamond 'Ready to Join is checked' branches into two paths: 'TRUE' leading to 'IMMEDIATE ACTIONS' (containing 'Create a student rec...' and 'Email show fewer') and 'FALSE' leading to another decision diamond 'Add Criteria'. The 'Add Criteria' diamond branches into 'TRUE' (leading to 'IMMEDIATE ACTIONS' with 'Add Action') and 'FALSE'.

The 'Create a Record' configuration panel on the right shows the following details:

- Action Name:** Create a student record
- Record Type:** Students
- Set Field Values:**

Field*	Type*	Value*
Address	Field Reference	[Application_Form_...]
Date Of Birth	Field Reference	[Application_Form_...]
Guardian Name	Field Reference	[Application_Form_...]
Phone	Field Reference	[Application_Form_...]
Students Name	Field Reference	[Application_Form_...]

Buttons at the bottom of the panel include 'Save', 'Cancel', and 'Delete'.

## The Student Record Using Flow

The screenshot shows the Salesforce Flow Builder interface for the 'Application Form Trigger Flow - V2'. The left sidebar contains a 'Toolbox' with 'Manager' and 'Resources' sections. The 'Resources' section lists 'Record (Single) Variables (1)' and 'ELEMENTS' including 'Assignments (1)', 'Assign\_Student\_Record\_Data', and 'Create Records (1)'. The 'Assignments (1)' section is expanded, showing 'Assign\_Student\_Record\_Data'.

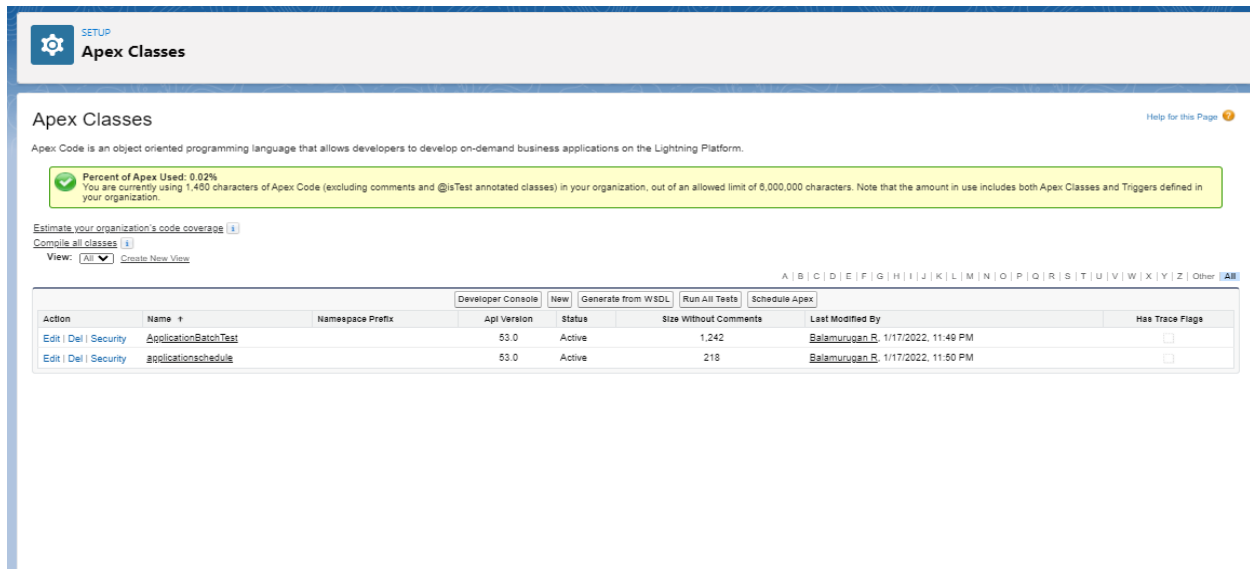
The 'Edit Assignment' configuration window for 'Assign Student Record Data' is open. It displays a table for 'Set Variable Values' with the following data:

Variable	Operator	Value
StudentVar > Address X	Equals	\$Record > Address X
StudentVar > Application Form X	Equals	\$Record > Record ID X
StudentVar > College Name X	Equals	\$Record > College X
StudentVar > Date Of Birth X	Equals	\$Record > date of Birth X
StudentVar > Guardian Name X	Equals	\$Record > Guardian Name X
StudentVar > Phone X	Equals	\$Record > Phone X
StudentVar > Student Name X	Equals	\$Record > Student Name X

Buttons at the bottom of the window include 'Cancel' and 'Done'.

## Task 5 : Batch Apex

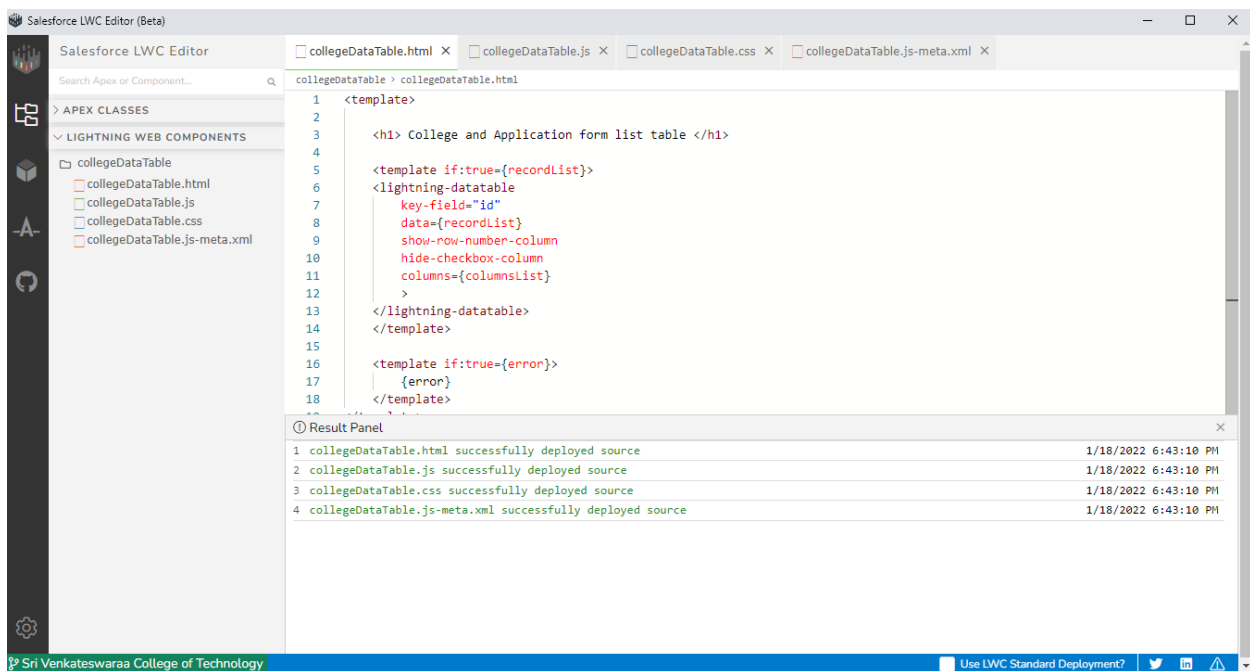
### Create A Batch apex For Application Form And Create A Scheduler Class



The screenshot shows the 'Apex Classes' page in the Salesforce Setup menu. The page title is 'Apex Classes' with a 'Help for this Page' link. Below the title, a message states: 'Apex Code is an object oriented programming language that allows developers to develop on-demand business applications on the Lightning Platform.' A green checkmark icon indicates 'Percent of Apex Used: 0.02%'. A note states: 'You are currently using 1,400 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 5,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization.' Below this, there is a link to 'Estimate your organization's code coverage' and a 'Compile all classes' button. A 'View' dropdown is set to 'All' with a 'Create New View' link. A table lists the Apex classes:

Action	Name	Namespace Prefix	Developer Console	New	Generate from WSDL	Run All Tests	Schedule Apex	Last Modified By	Has Trace Flags
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Security</a>	ApplicationBatchTest		53.0	Active		1,242		Balamurugan R. 1/17/2022, 11:49 PM	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Security</a>	ApplicationScheduler		53.0	Active		218		Balamurugan R. 1/17/2022, 11:50 PM	<input type="checkbox"/>

## Task 6 : Lightning Web Components



The screenshot shows the Salesforce LWC Editor (Beta) interface. The left sidebar displays the project structure for 'collegeDataTable', including 'collegeDataTable.html', 'collegeDataTable.js', 'collegeDataTable.css', and 'collegeDataTable.js-meta.xml'. The main editor area shows the code for 'collegeDataTable.html':

```
1 <template>
2
3 <h1> College and Application form list table </h1>
4
5 <template if:true={recordList}>
6   <lightning-datatable
7     key-field="id"
8     data={recordList}
9     show-row-number-column
10    hide-checkbox-column
11    columns={columnsList}
12  >
13  </lightning-datatable>
14 </template>
15
16 <template if:true={error}>
17   {error}
18 </template>
```

The 'Result Panel' at the bottom shows the deployment status:

File	Time
1 collegeDataTable.html successfully deployed source	1/18/2022 6:43:10 PM
2 collegeDataTable.js successfully deployed source	1/18/2022 6:43:10 PM
3 collegeDataTable.css successfully deployed source	1/18/2022 6:43:10 PM
4 collegeDataTable.js-meta.xml successfully deployed source	1/18/2022 6:43:10 PM