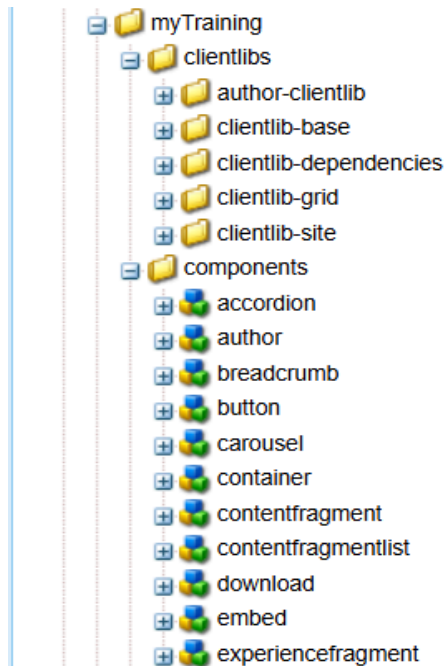
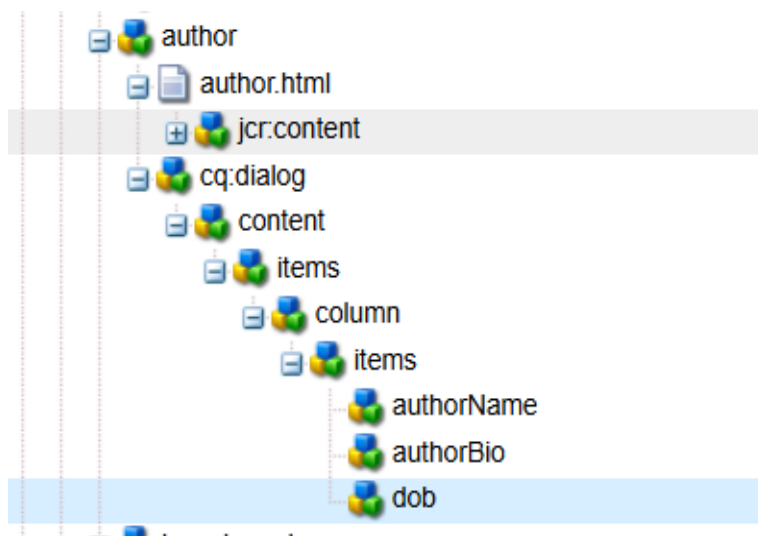


# AEM COMPONENT CREATION TASK

## 1. Creating a author component:



## 2. Creating node items for author name, date of birth, Bio in cq:dialog node:



### 3. Adding properties for items created (i.e)

For name,

Properties							
Name	Type	Value	Protected	Mandatory	Multiple	Auto Created	
1 name	String	./authorName	false	false	false	false	
2 fieldLabel	String	Author Name	false	false	false	false	
3 sling.resourceType	String	granite/ui/components/coral/foundation/form/textfield	false	false	false	false	
4 jcr:primaryType	Name	nt:unstructured	true	true	false	true	
5 required	Boolean	true	false	false	false	false	

Name	fieldLabel	Type	String	Value	Author DOB	Multi	Add
------	------------	------	--------	-------	------------	-------	-----

For dob,

Properties							
Name	Type	Value	Protected	Mandatory	Multiple	Auto Created	
1 name	String	./dob	false	false	false	false	
2 fieldLabel	String	Author DOB	false	false	false	false	
3 sling.resourceType	String	granite/ui/components/coral/foundation/form/datePicker	false	false	false	false	
4 jcr:primaryType	Name	nt:unstructured	true	true	false	true	
5 required	Boolean	true	false	false	false	false	

Name	fieldLabel	Type	String	Value	Author DOB	Multi	Add
------	------------	------	--------	-------	------------	-------	-----

For Bio,

Properties							
Name	Type	Value	Protected	Mandatory	Multiple	Auto Created	
1 name	String	./authorBio	false	false	false	false	
2 fieldLabel	String	Author Bio	false	false	false	false	
3 sling.resourceType	String	granite/ui/components/coral/foundation/form/textarea	false	false	false	false	
4 jcr:primaryType	Name	nt:unstructured	true	true	false	true	
5 required	Boolean	true	false	false	false	false	

Name	fieldLabel	Type	String	Value	Author DOB	Multi	Add
------	------------	------	--------	-------	------------	-------	-----

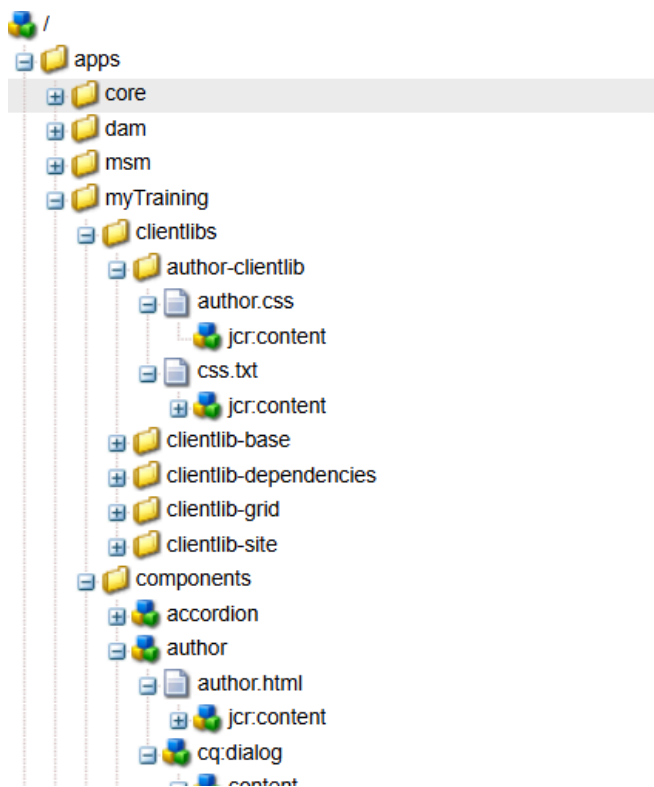
### 3.Fetching values using HTL:



```
1 <sly data-sly-use.clientlib="core/wcm/components/commons/v1/templates/clientlib.html">
2   <sly data-sly-call="${clientlib.css @ categories='myTraining.author'}"/>
3 </sly>
4
5 <div class="author-component" data-sly-use.authorModel="com.myTraining.core.models.AuthorModel">
6   <h1>Author Name: ${properties.authorName}</h1>
7   <p>Author BIO: ${properties.authorBio}</p>
8   <p><strong>Author Date of Birth:</strong> ${authorModel.formattedDob}</p>
9 </div>
10
```

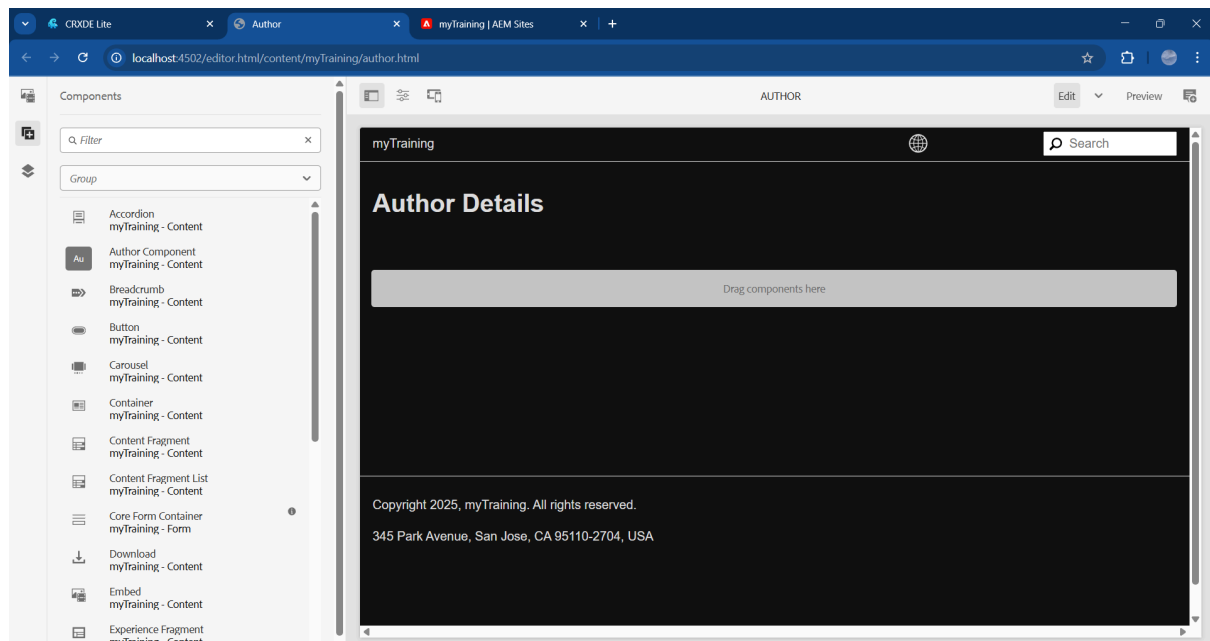
In author.html these code to display the fields,

### 4.Implementing client library

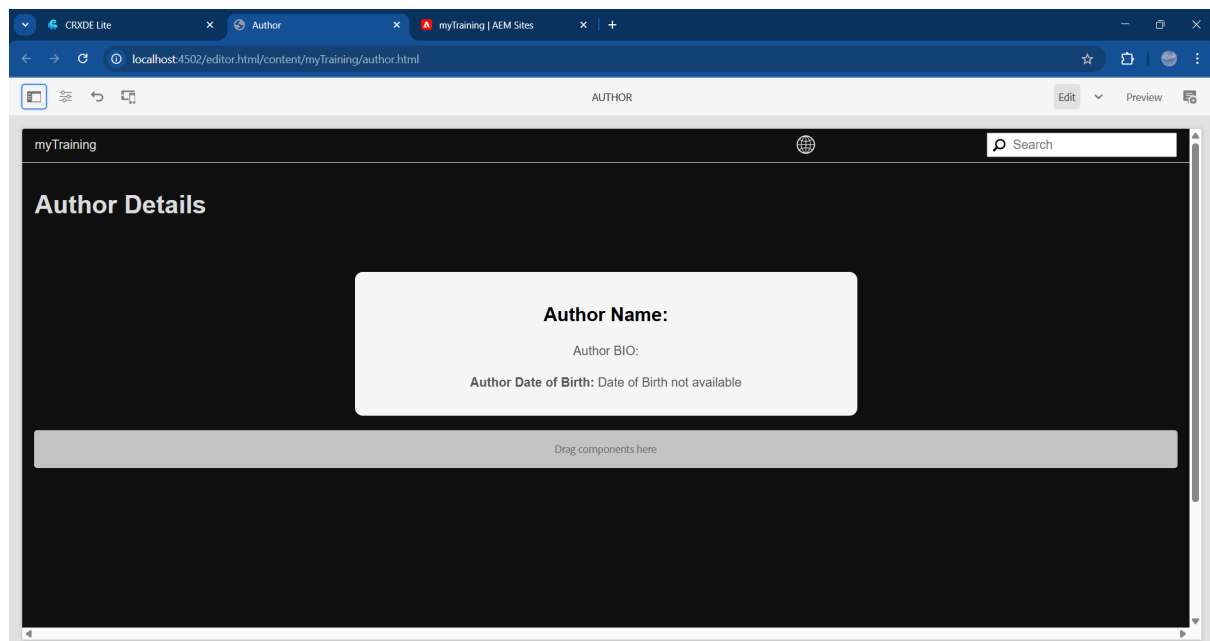


# OUPUT:

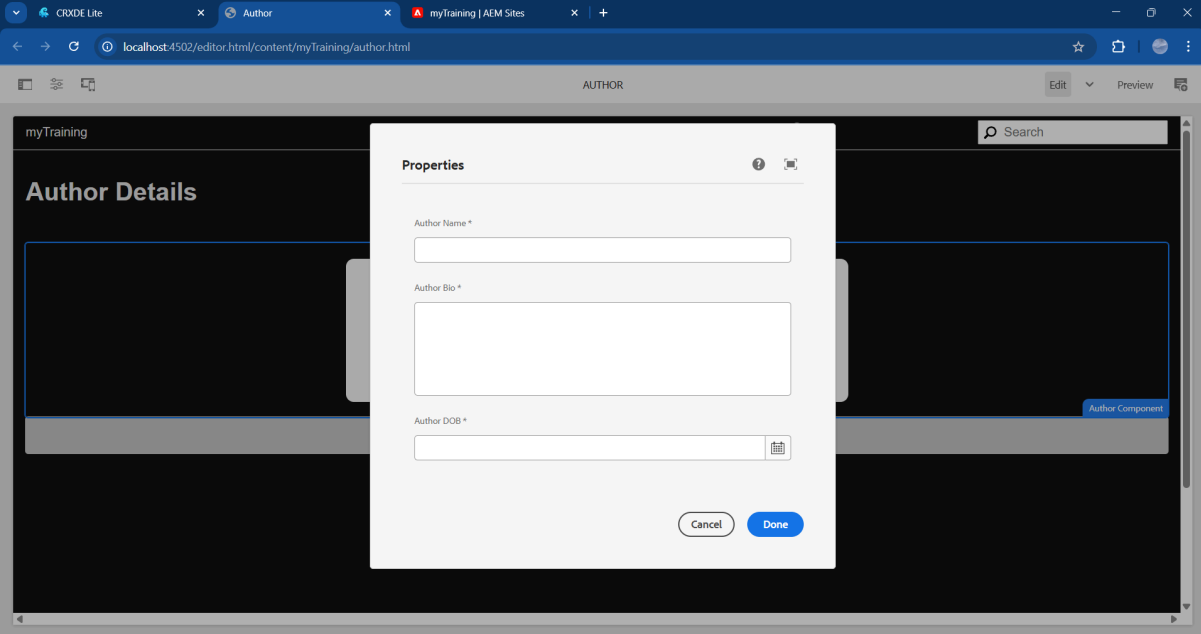
## Draging author component:



## Component created:

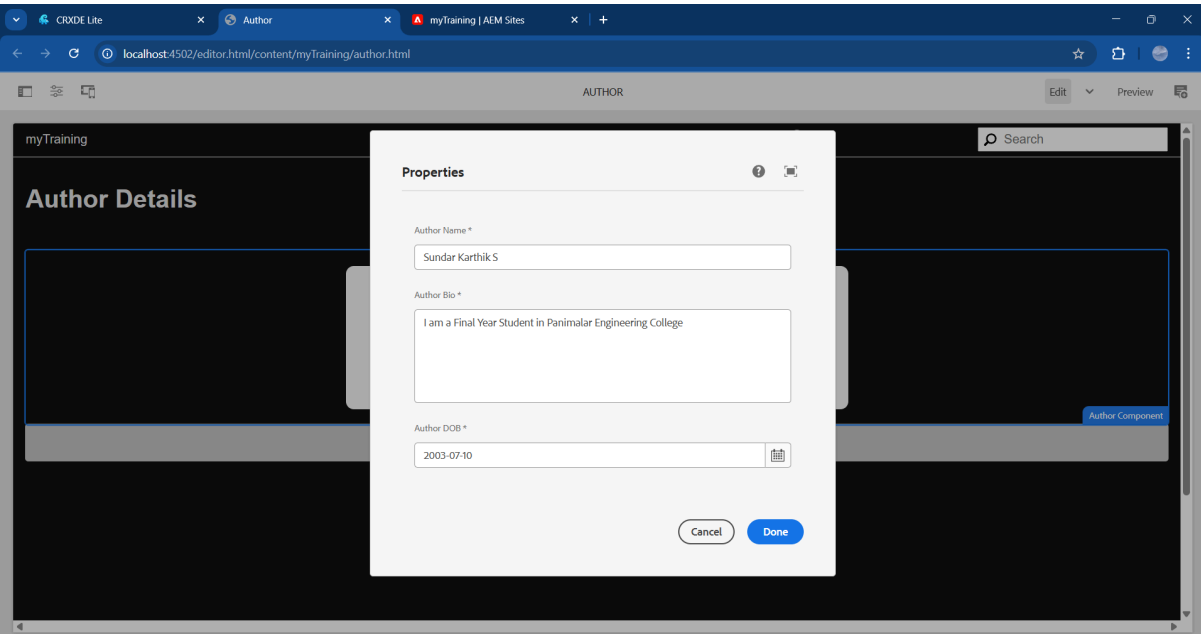


The fields need to be added name ,date of birth,bio:



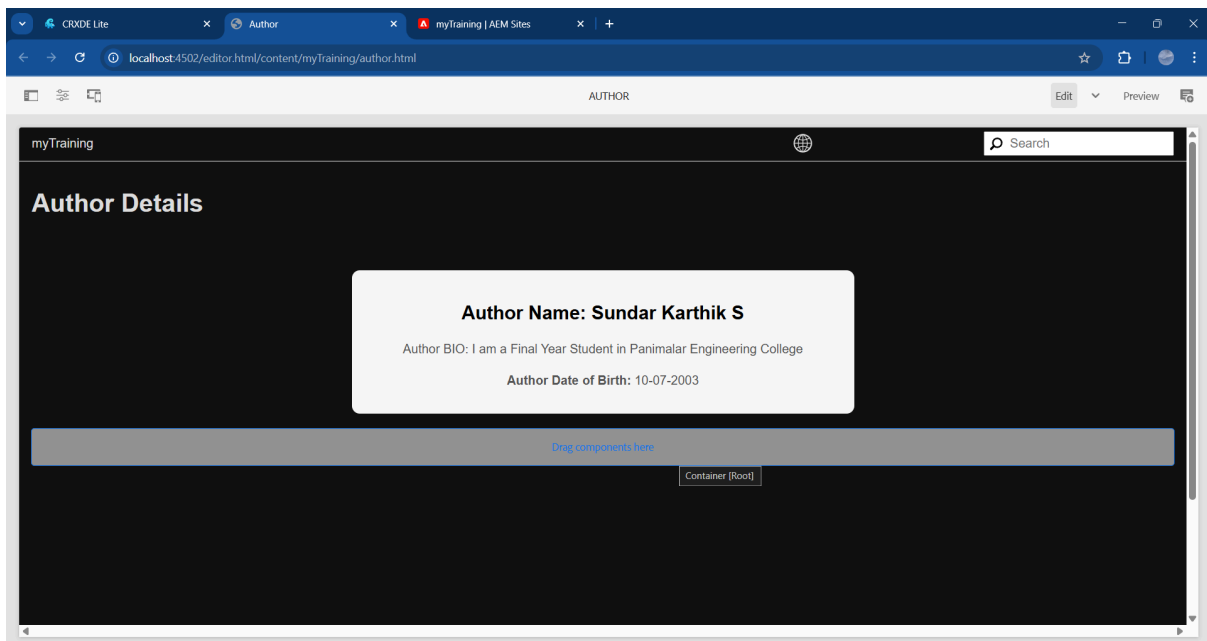
The screenshot shows the AEM Author interface with the 'myTraining' workspace. The 'Author Details' component is selected, and a 'Properties' dialog box is open. The dialog contains three fields: 'Author Name \*', 'Author Bio \*', and 'Author DOB \*'. The 'Author Name' field is empty. The 'Author Bio' field is empty. The 'Author DOB' field is empty. The dialog has 'Cancel' and 'Done' buttons at the bottom.

Adding the details

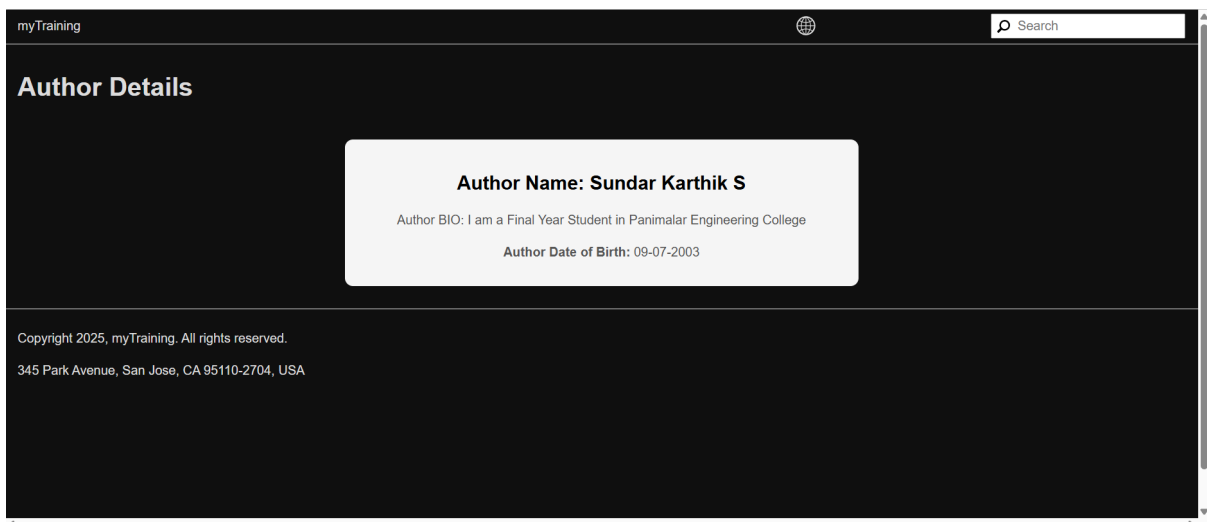


The screenshot shows the AEM Author interface with the 'myTraining' workspace. The 'Author Details' component is selected, and a 'Properties' dialog box is open. The dialog contains three fields: 'Author Name \*', 'Author Bio \*', and 'Author DOB \*'. The 'Author Name' field contains the text 'Sundar Karthik S'. The 'Author Bio' field contains the text 'I am a Final Year Student in Panimalar Engineering College'. The 'Author DOB' field contains the date '2003-07-10'. The dialog has 'Cancel' and 'Done' buttons at the bottom.

# Component created with details



# Output with preview:(in publish instance)



### 5.What is Dialog Validation?

Dialog validation ensures that fields are correctly filled before saving the component. It can be enforced using the required attribute and validation patterns.

### 6.What is ClientLib?

Client Libraries (ClientLibs) manage CSS and JavaScript files in AEM. They improve performance and allow structured organization of front-end assets.

### 7.What is extraClientLib?

Extra Client Libraries allow specific styling or scripts to be loaded only when necessary. They can be created similarly to ClientLibs but with the extraClientLibs attribute.