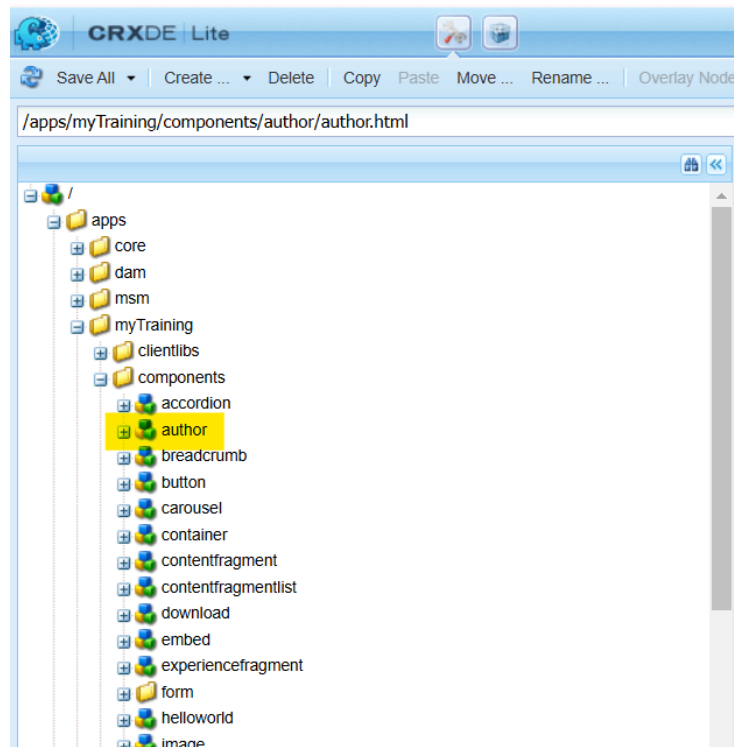
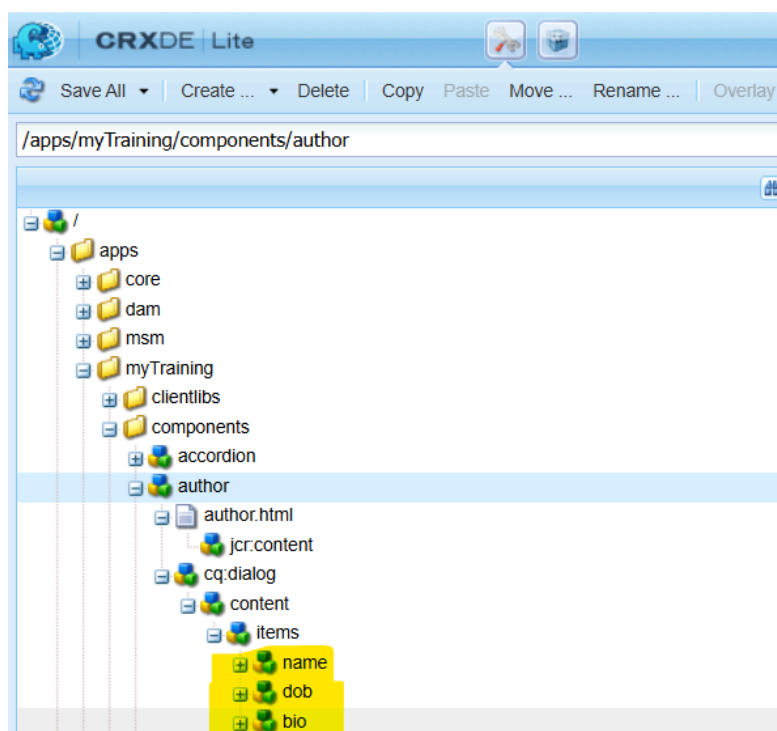


AEM COMPONENT TASK

1. Creating a author component:

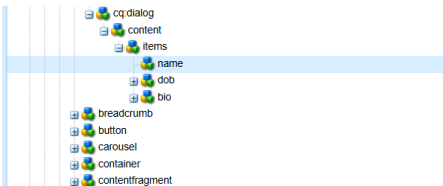


2. Creating node items for author name, date of birth, Bio in cq:dialog node:



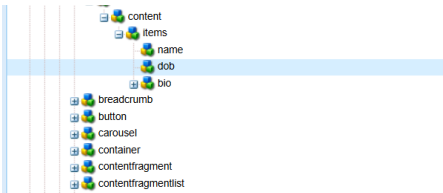
3.Adding properties for items created (i.e) name,dob,bio:

For name,



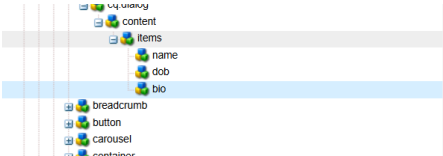
| Properties | | Access Control | Replication | Console | Build Info | |
|----------------------|---------|---|-------------|-----------|------------|--------------|
| Name | Type | Value | Protected | Mandatory | Multiple | Auto Created |
| 1 jcr:primaryType | Name | nt:unstructured | true | true | false | true |
| 2 required | Bool... | true | false | false | false | false |
| 3 sling:resourceType | String | granite/ui/components/coral/foundation/form/textfield | false | false | false | false |
| 4 fieldLabel | String | Author Name | false | false | false | false |
| 5 name | String | /name | false | false | false | false |

For dob,



| Properties | | Access Control | Replication | Console | Build Info | |
|----------------------|---------|--|-------------|-----------|------------|--------------|
| Name | Type | Value | Protected | Mandatory | Multiple | Auto Created |
| 1 jcr:primaryType | Name | nt:unstructured | true | true | false | true |
| 2 required | Bool... | true | false | false | false | false |
| 3 sling:resourceType | String | granite/ui/components/coral/foundation/form/datepicker | false | false | false | false |
| 4 storedFormat | String | YYYY-MM-DD | false | false | false | false |
| 5 displayFormat | String | YYYY-MM-DD | false | false | false | false |
| 6 fieldLabel | String | Date of Birth | false | false | false | false |
| 7 name | String | /dob | false | false | false | false |

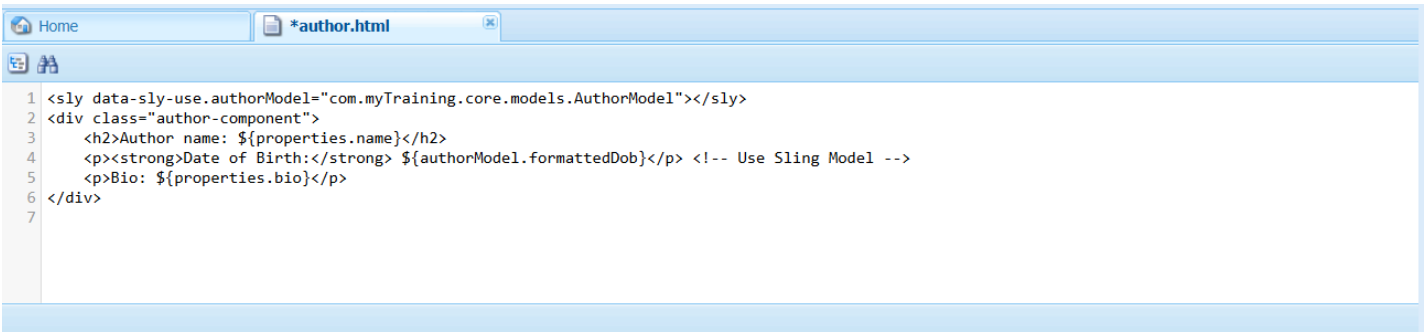
For Bio,



| Properties | | Access Control | Replication | Console | Build Info | |
|----------------------|--------|--|-------------|-----------|------------|--------------|
| Name | Type | Value | Protected | Mandatory | Multiple | Auto Created |
| 1 jcr:primaryType | Name | nt:unstructured | true | true | false | true |
| 2 sling:resourceType | String | granite/ui/components/coral/foundation/form/textarea | false | false | false | false |
| 3 fieldLabel | String | Bio | false | false | false | false |
| 4 name | String | /bio | false | false | false | false |

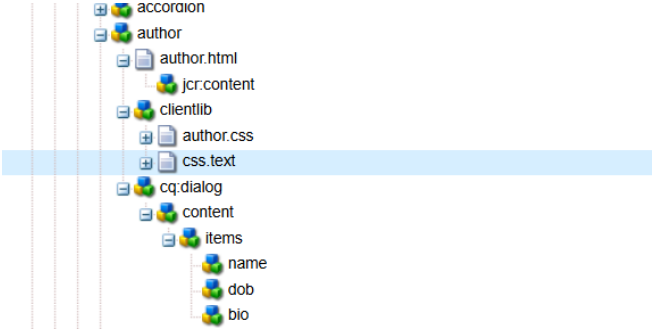
3.Fetching values using HTL

In author html these code to display the fields,



```
1 <sly data-sly-use.authorModel="com.myTraining.core.models.AuthorModel"></sly>
2 <div class="author-component">
3   <h2>Author name: ${properties.name}</h2>
4   <p><strong>Date of Birth:</strong> ${authorModel.formattedDob}</p> <!-- Use Sling Model -->
5   <p>Bio: ${properties.bio}</p>
6 </div>
7
```

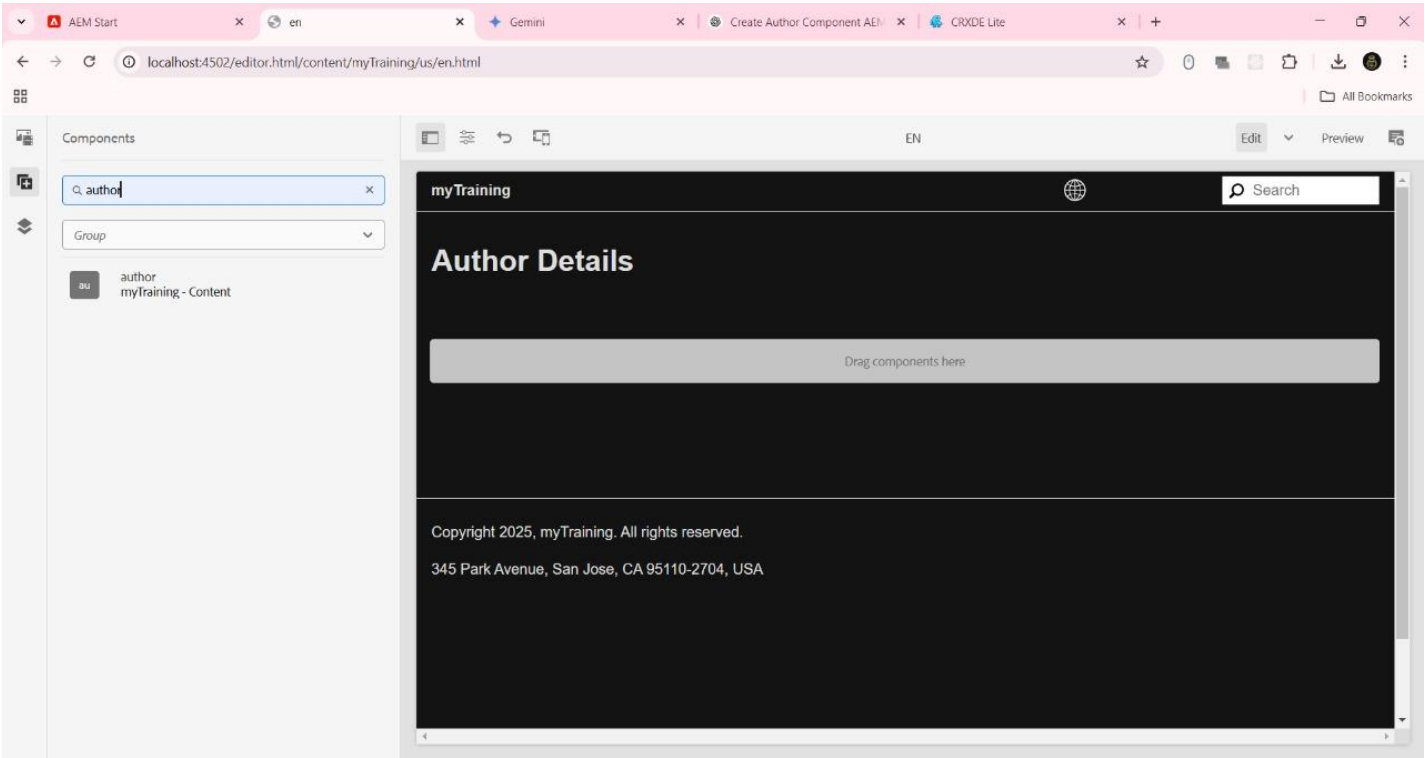
4.Implementing client library



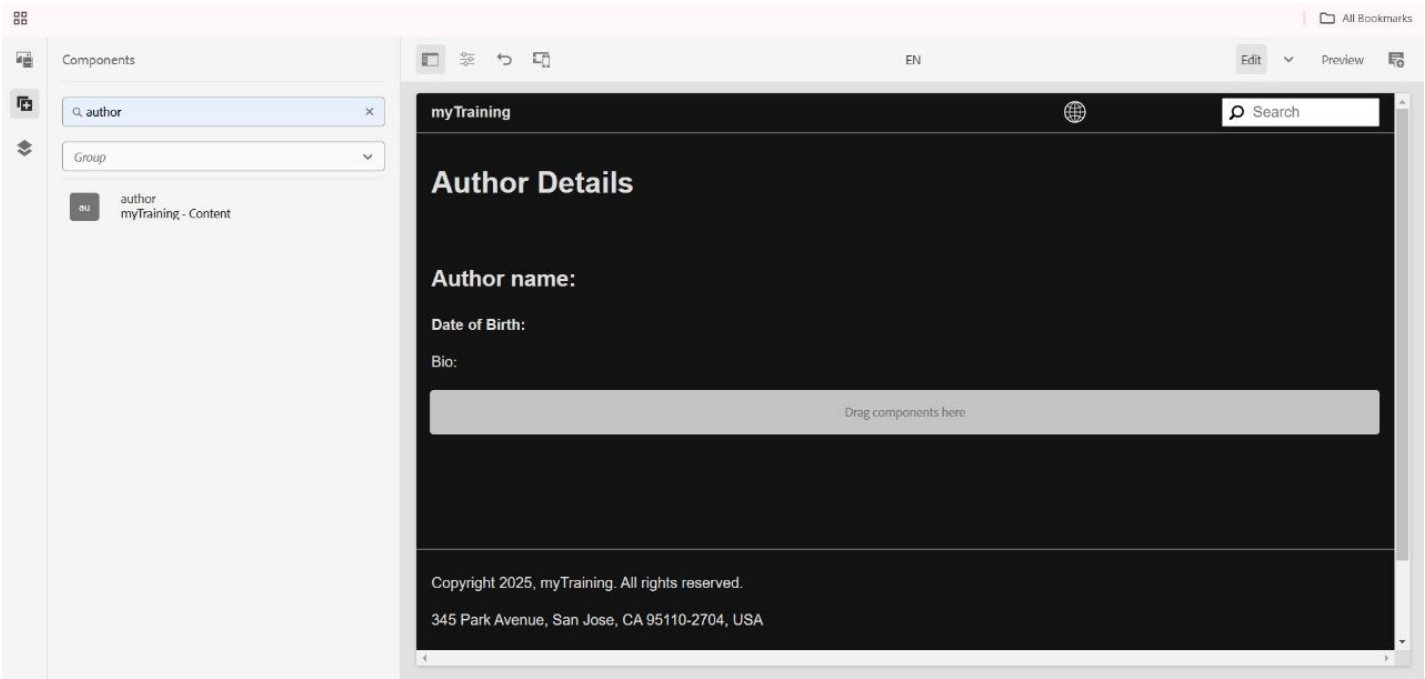
```
graph TD
    accoraion --> author
    author --> author.html
    author --> jcr:content
    jcr:content --> clientlib
    clientlib --> author.css
    clientlib --> css.text
    clientlib --> cq.dialog
    cq.dialog --> content
    content --> items
    items --> name
    items --> dob
    items --> bio
```

OUTPUT:

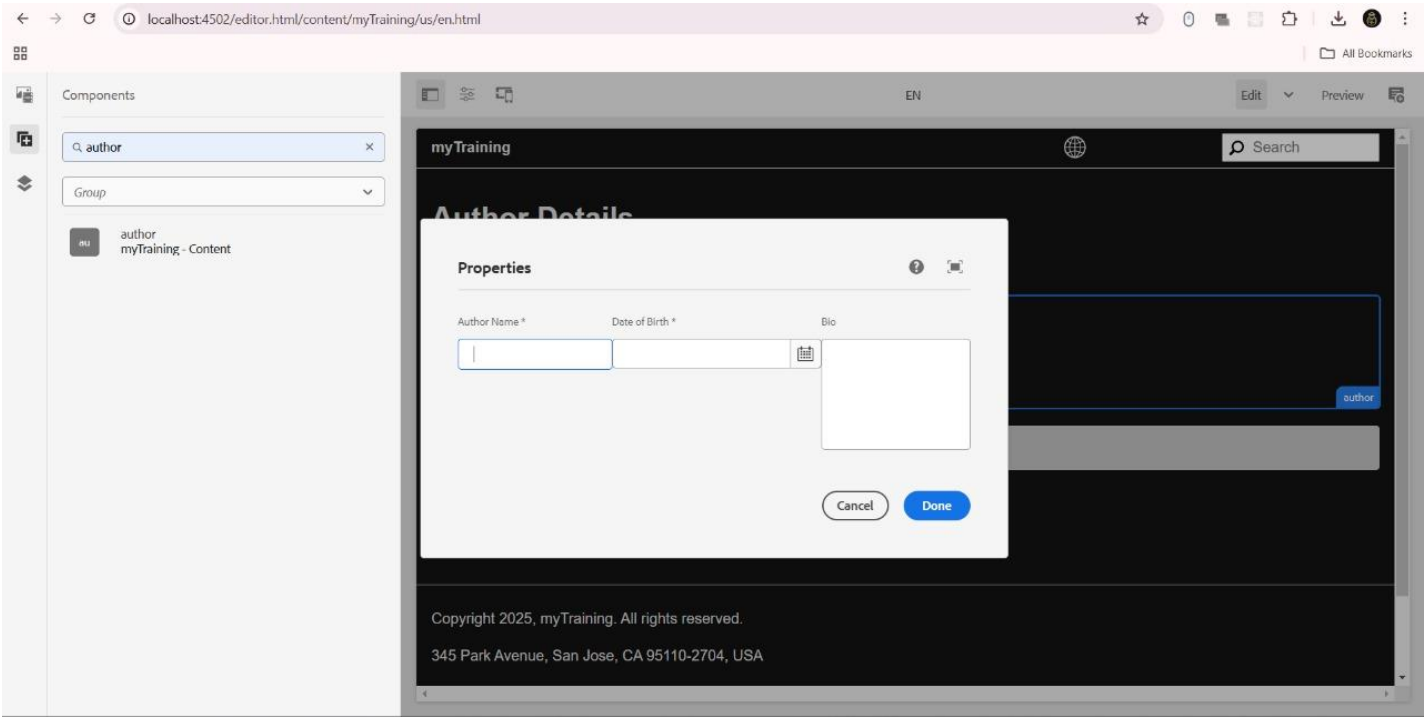
Dragging author component:



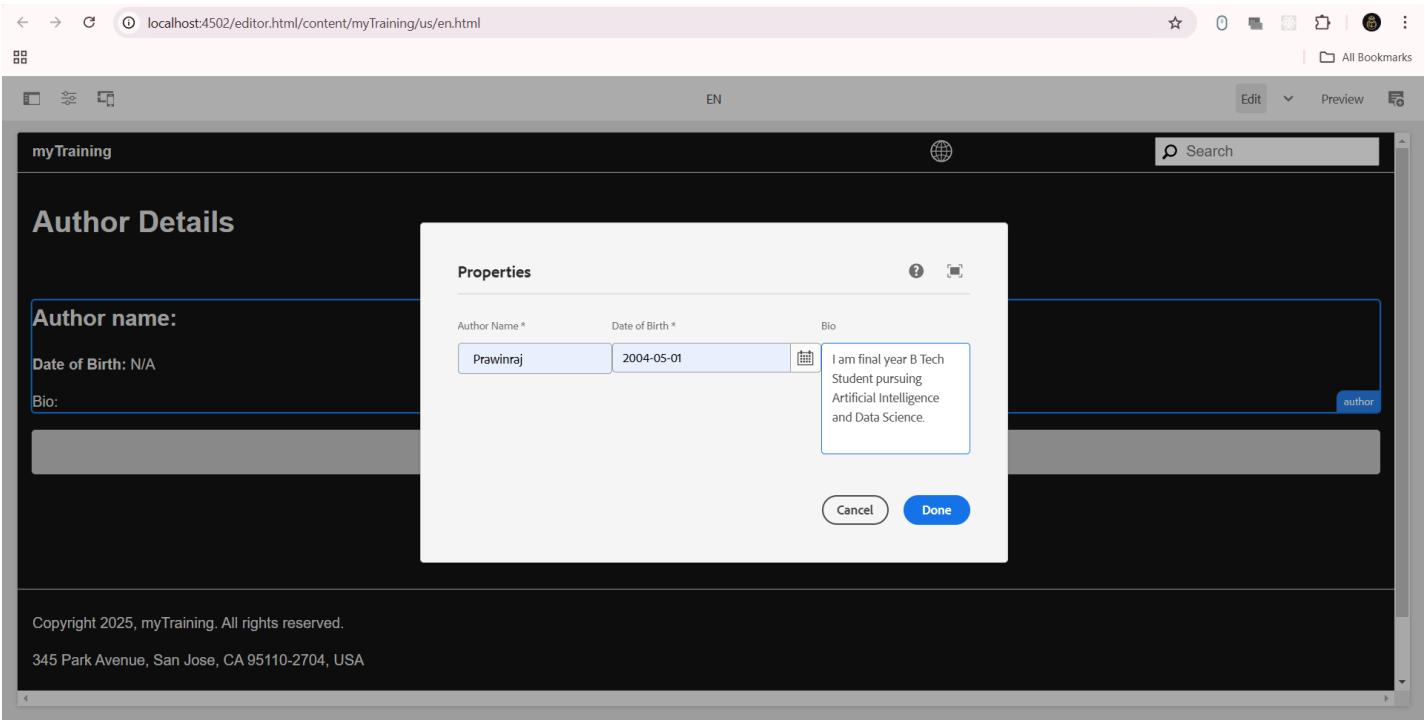
Component created:



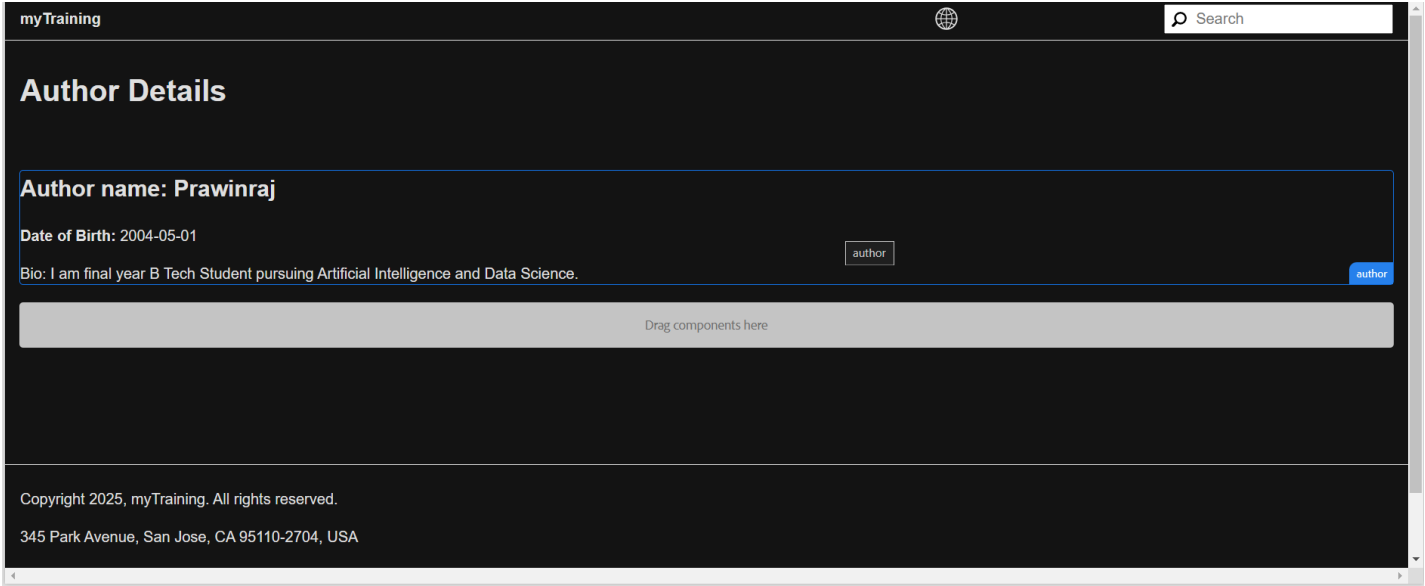
The fields need to be added name ,date of birth,bio.



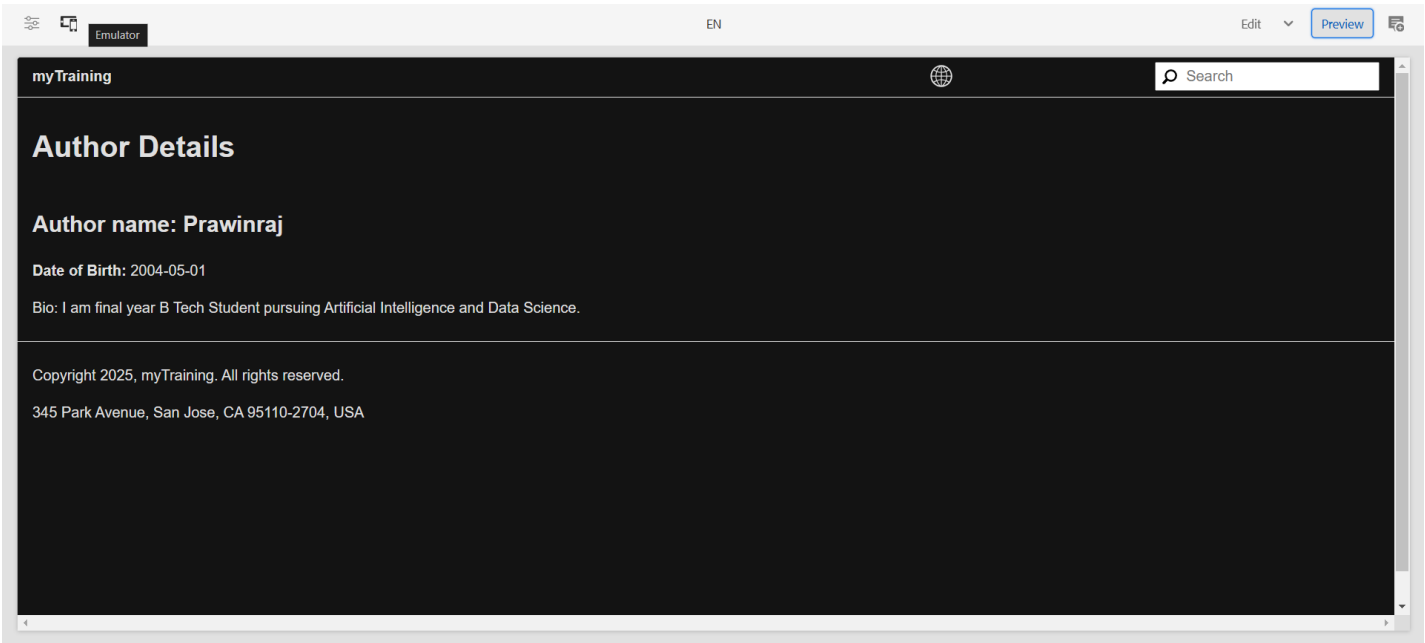
Adding details



Component created with details



Output with preview:



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.