Assignment

1.Create an Author component which will have 3 fields

Author Name-single line text field-Mandetry

Author Bio-multiline text field-Mandetry

Dob-date picker-Mandetry

2.create the component with above dialog fields

3.Fetch these value directly using htl properties tag

4.What is Dialog validation how to use them?

5.What is client lib?

6.Implement client lib make authorName h1

7.Make author bio normal body text

8.Bold the dob

What is extraclientlib and how to create custom ?First we need to run the AEM

```
Microsoft Windows [Version 10.0.19045.3487]
(c) Microsoft Corporation. All rights reserved.

E:\Author>java -jar aem-author-p4502.jar
Loading quickstart properties: default
Loading quickstart properties: instance
Low-memory action set to fork
Using 64bit VM settings, min.heap=1024MB, min permgen=256MB, default fork arguments=[-Xmx1024m, -XX:MaxPermSize=256m]
The JVM reports a heap size of 4050 MB, meets our expectation of 1024 MB +/- 20
Setting properties from filename 'E:/Author/aem-author-p4502.jar'
Option '-quickstart.server.port' set to '4502' from filename aem-author-p4502.jar
Verbose option not active, closing stdin and redirecting stdout and stderr
Redirecting stdout to E:\Author\crx-quickstart\logs\stdout.log
Redirecting stderr to E:\Author\crx-quickstart\logs\stderr.log
Press CTRL-C to shutdown the Quickstart server...
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.sling.commons.threads.impl.ThreadLocalCleaner (launchpad:resources/inst
all/15/org.apache.sling.commons.threads-3.2.22.jar) to field java.lang.Thread.threadLocals
WARNING: Please consider reporting this to the maintainers of org.apache.sling.commons.threads.impl.ThreadLocalCleaner
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
```
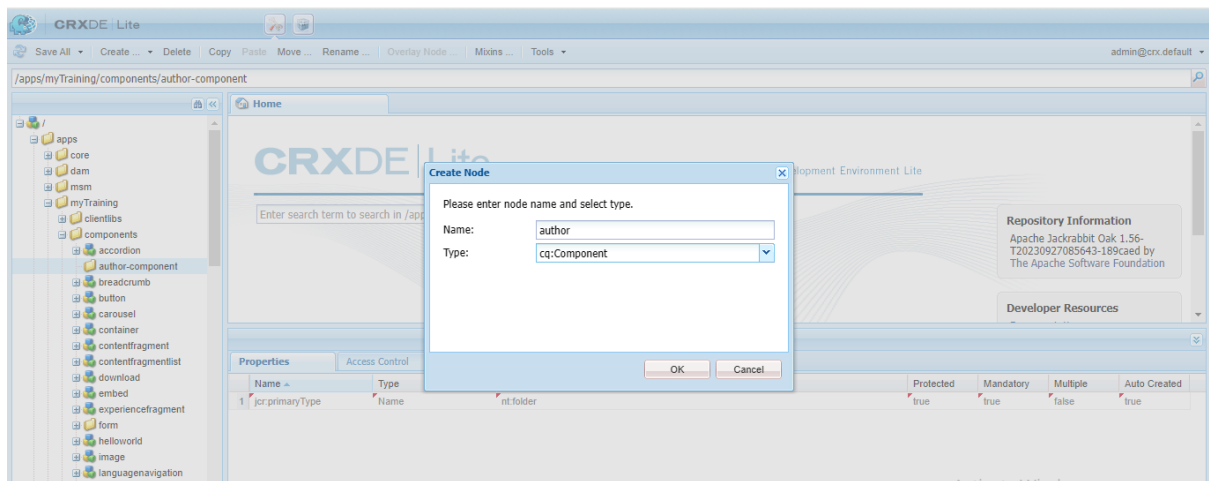
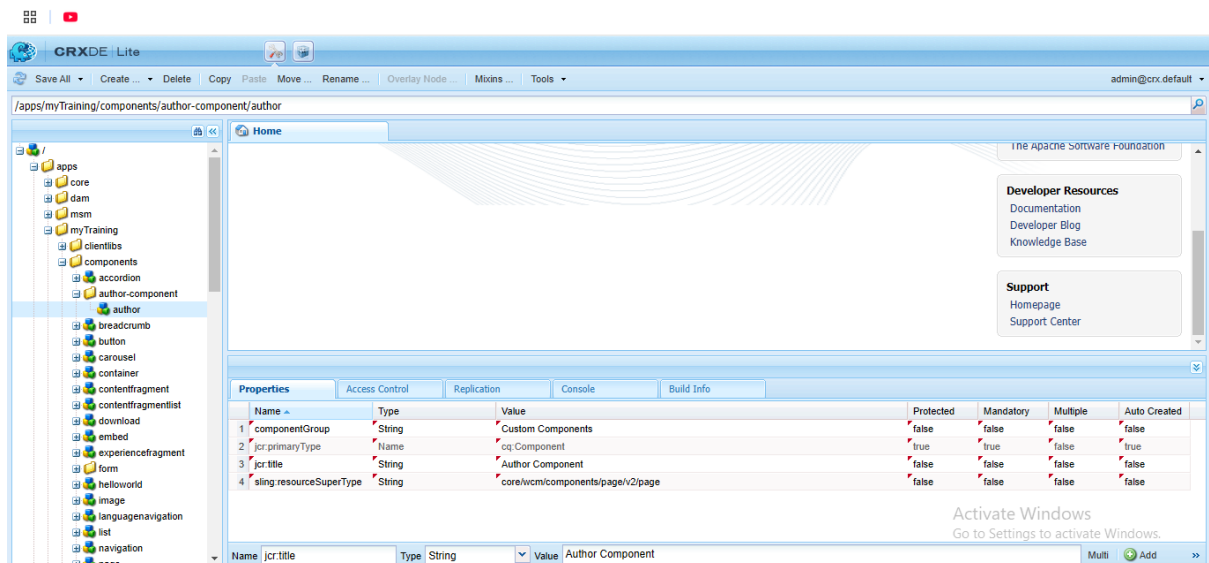Then we need to open the crxde using the link

http://localhost:4502/crx/de/index.jsp

then we need to create a folder called author_component
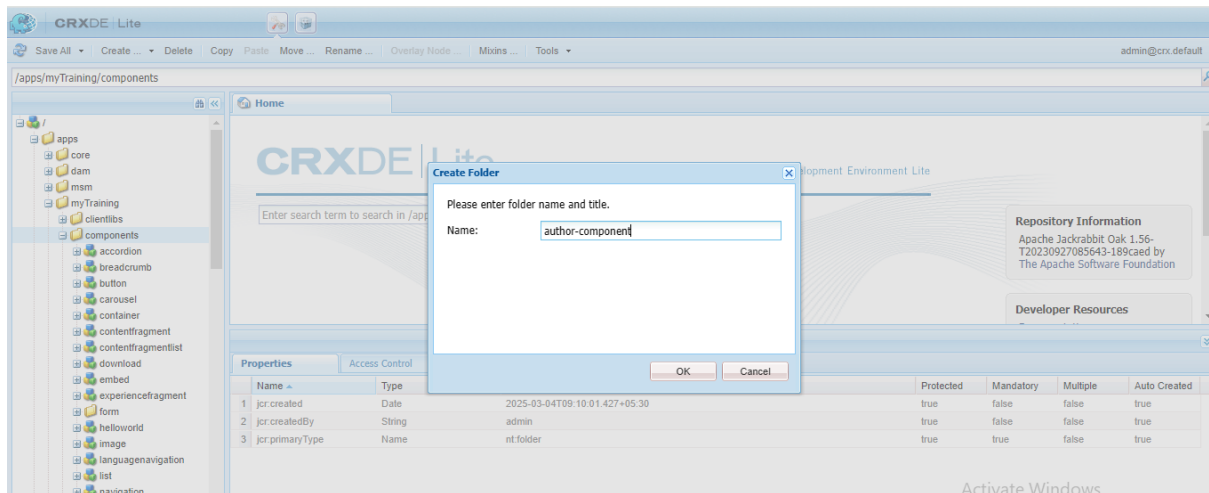
now we need to create a author component and the type should be at cq:component

we need to set the following properties to it.

then we need to create a node called cq:dialog of type nt:unstructured

then we need to create a node called content of type nt:unstructured and set properties to it

	Name ▲	Type	Value	Protected	Mandatory	Multiple	Auto Created
1	jcr:primaryType	Name	nt:unstructured	true	true	false	true
2	sling:resourceType	String	cq/gui/components/authoring/dialog	false	false	false	false

then we need to create a node called items of type nt:unstructured and set properties to it
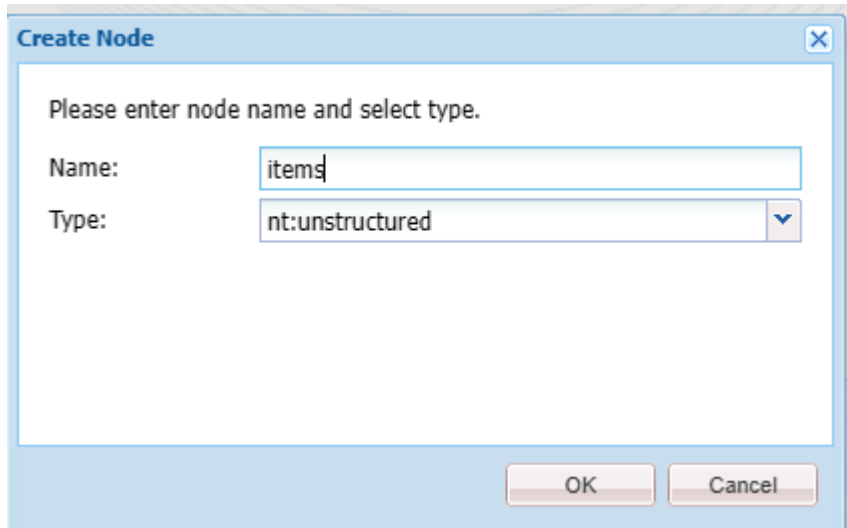
then we need to create a node called authorName,authorBio.dob of type nt:unstructured and set properties to it
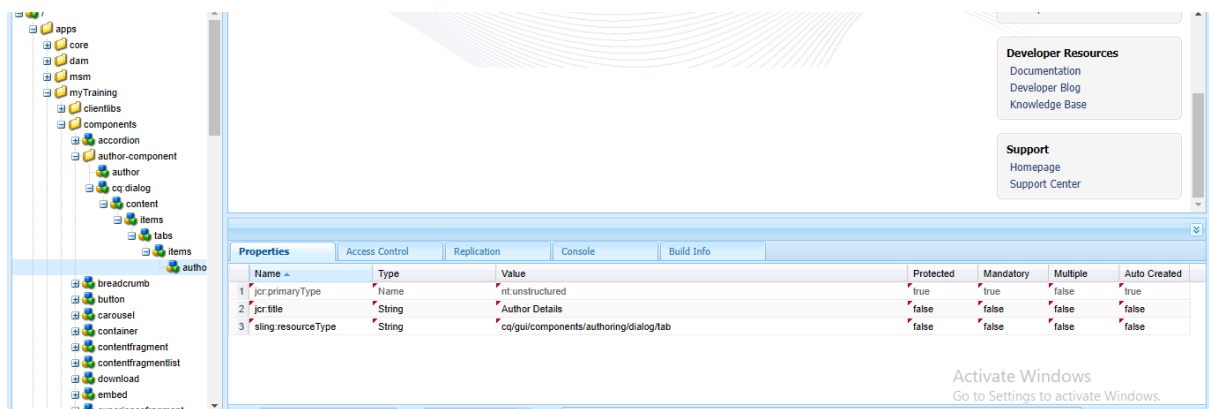
We need to create author.html file

And give this code there

<div class="author-component" data-sly-use.authorModel="com.myTraining.core.models.AuthorModel">

  <h2>Author Name: ${properties.authorName}</h2>
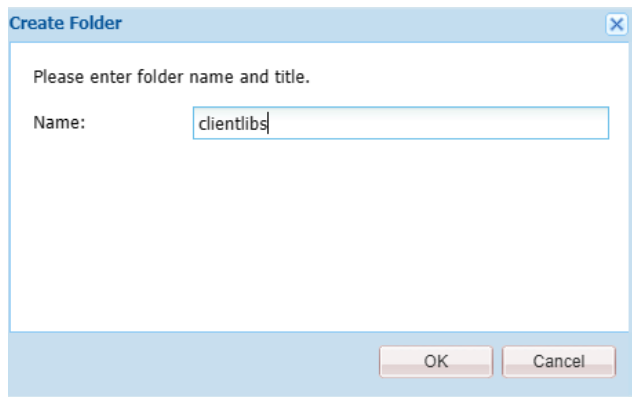
  <p>Author BIO: ${properties.authorBio}</p>

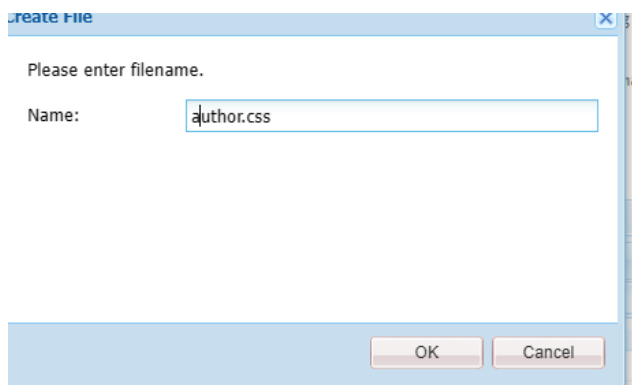 <p>Author Date of Birth: ${'dd MMMM, YYYY' @ format=properties.dob,type='datetime'}

</div>

What is client lib:
ClientLib (Client Library Folder) in AEM is used to manage CSS, JavaScript, and other frontend assets in a structured way

We need to create a folder clientlib inside the author_component

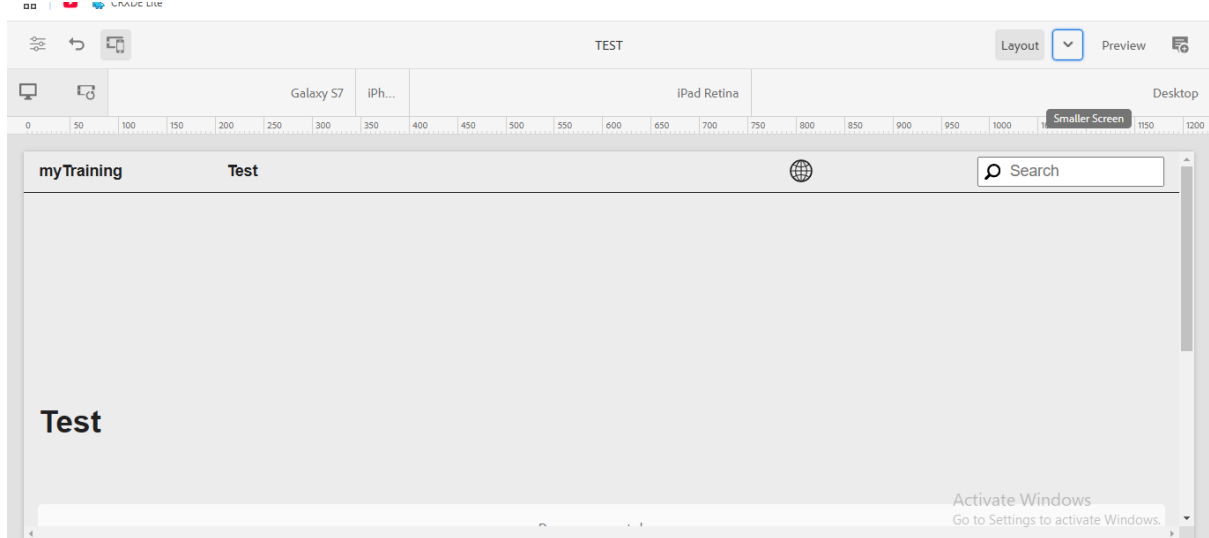Inside that create a file called author.css

For example we can use this css code
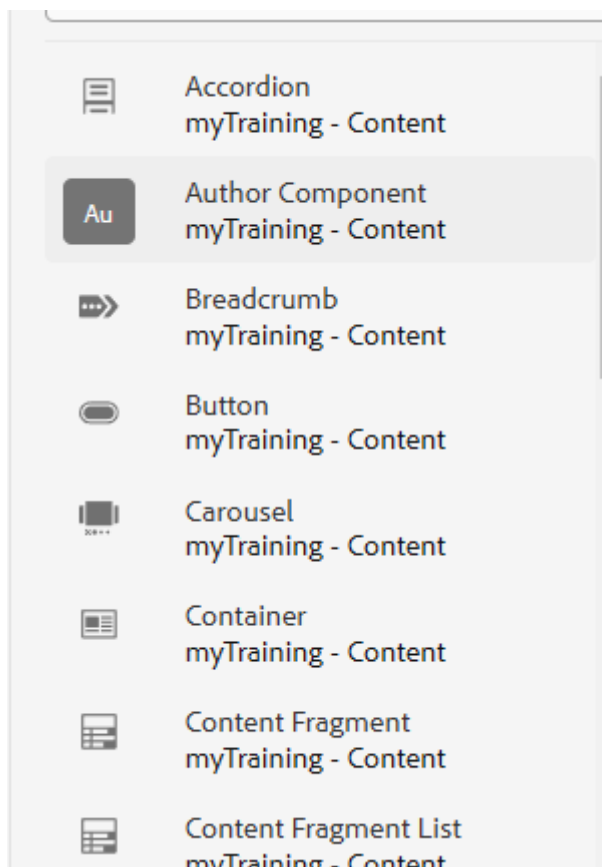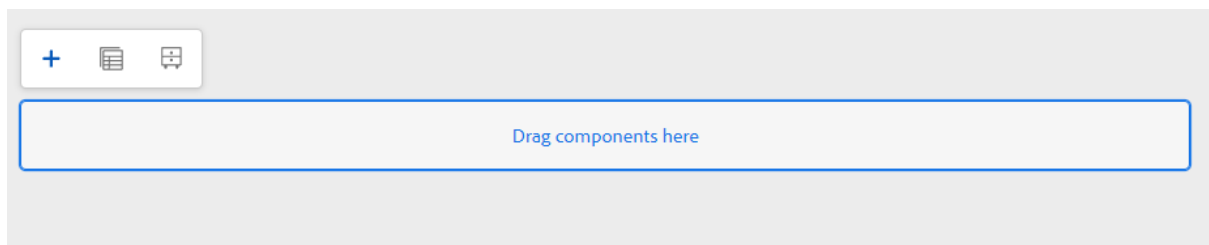
```
.cmp-author__title {

    font-size: 24px;

    font-weight: bold;

}

.cmp-author__item-label {

    font-weight: bold;

}

.cmp-author__item-output {

    font-style: italic;

}
```

this is the final hierarchy now

First we need to create or edit and webpage in AEM sites

In edit mode click the + icon in the page and add author component

In content tree we can see the component name where if we click this a dialogboc like this will open enter values to it

I have entered a sample data and the output is

Author Name: Dr. Arvind Kumar

Author BIO: Dr. Arvind Kumar is an award-winning writer and historian specializing in Indian culture and mythology.

Author Date of Birth: 12 January, 1980

Since I have given the required is true it is mandatory to give values to the fields

Thus a form is created now for the author