AEM Training - Day 3 Assignment (20-03-2025)

Create a New Component with News Headline, News Detail, Published Date, Image, and Titles Using Sling Model Answer:

A new News Component is created using the Sling Model to display the news headline, details, published date, image, and titles.

Steps:

- Create a new component under apps/myTraining/components/news.

- Implement a Sling Model for this component.

- Map component fields (newsHeadline, newsDetail, newsPublishDate, newsImg, newsTitle).

- Update the news.html to display the fields.

Create a Multi-field Component (Multiple News) Using Sling Model Answer:

A multi-field component enables authors to dynamically add multiple news items.

Steps:

- Create a multi-field component at apps/myTraining/components/multi-news.

- Implement a Sling Model List.

- Map fields: title and source.

- Update multi-news.html to loop through the news items.

Create Clientlibs for News Component Answer:

Clientlibs are used to apply styles and scripts to components.

Steps:

- Create a clientlib under apps/myTraining/clientlibs/news.

- Include necessary CSS and JS files.

- Add clientlib categories in the component.

Apply Green Color to Heading (h2), Yellow to News Detail (p), and Black to Date Answer:
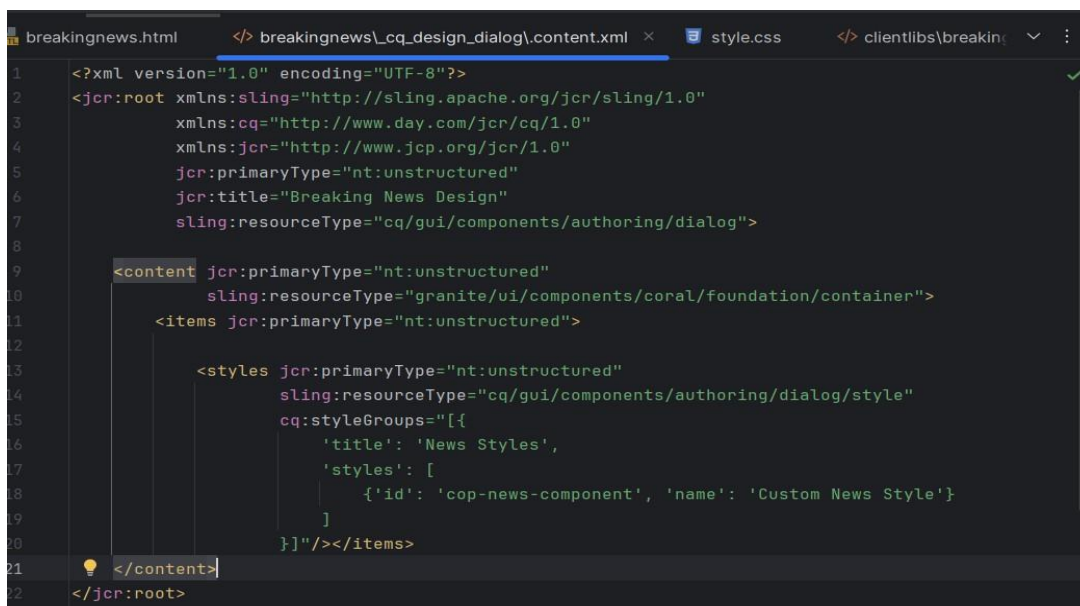These styles are applied using CSS inside the clientlibs/news.

Steps:

- Use CSS classes to set colors for headings, news details, and dates.

Add Component Style (cop-news-component) in News Component Answer:
A custom style is added to the news component.

Steps:

- Navigate to apps/myTraining/components/news in CRXDE Lite.

- Update the cq:dialog to include the style property.

- Modify news.html to include the custom class.

```xml
breakingnews.html        breakingnews\_cq_design_dialog\.content.xml  ×     style.css        clientlibs\breaking
1   <?xml version="1.0" encoding="UTF-8"?>
2   <jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0"
3            xmlns:cq="http://www.day.com/jcr/cq/1.0"
4            xmlns:jcr="http://www.jcp.org/jcr/1.0"
5            jcr:primaryType="nt:unstructured"
6            jcr:title="Breaking News Design"
7            sling:resourceType="cq/gui/components/authoring/dialog">
8
9       <content jcr:primaryType="nt:unstructured"
10              sling:resourceType="granite/ui/components/coral/foundation/container">
11          <items jcr:primaryType="nt:unstructured">
12
13              <styles jcr:primaryType="nt:unstructured"
14                      sling:resourceType="cq/gui/components/authoring/dialog/style"
15                      cq:styleGroups="[{
16                          'title': 'News Styles',
17                          'styles': [
18                              {'id': 'cop-news-component', 'name': 'Custom News Style'}
19                          ]
20                      }]"/></items>
21      </content>
22  </jcr:root>
```

Create a Base Page Component and Add Metadata for OG Tags Answer:
We create a metadata.html file to print Open Graph (OG) meta tags.

Steps:

- Create metadata.html inside the base page component.

- Add the necessary OG metadata properties.

- Link the metadata.html in basepage.html.

Create Custom Page Properties (Global Properties) Answer:
Custom fields (og:title, og:description, og:image path) are added in the Page Properties.

Steps:

- Navigate to apps/myTraining/components/page/basepage/cq:dialog.

- Add a new tab named Global Properties.

- Create the fields: ogTitle, ogDescription, ogImage.

What is ExtraClientLibs and How to Use It in a Multi-field Component?
Answer:
extraClientLibs is used to include additional resources such as CSS, JavaScript, fonts, or images required for a component.

Steps:

- Add extraClientLibs to include additional resources like stylesheets and scripts.

Screenshots:

	Name	Type	Value ▲
1	jcr:primaryType	Name	nt:unstructured
2	composite	Boolean	false
3	name	String	./image
4	fieldLabel	String	News Image
5	sling:resourceType	String	granite/ui/components/coral/foundation/form/pathfield

	Name	Type	Value ▲
1	jcr:createdBy	String	admin
2	jcr:primaryType	Name	cq:ClientLibraryFolder
3	allowProxy	Boolean	true
4	jcr:created	Date	2025-03-19T19:36:21.676+05:30
5	dependencies	String	cq.jquery
6	cssPaths	String	css/site.css
7	categories	String[]	news.component