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

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### **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.

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### **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.

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### **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.

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**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.

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**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.

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**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.

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**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:

The top screenshot shows the 'Properties' tab for a component. The table below represents the data shown in the screenshot:

	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

The bottom screenshot shows the 'Properties' tab for a 'news' component. The table below represents the data shown in the screenshot:

	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

