

AEM TASK-3

News Component Development using Sling Model

News Component Development:

The news component was developed using a Sling Model and includes the following fields:

- **News Title** (Rendered as <h2> in green color)
- **News Detail** (Rendered as <p> in yellow color)
- **Published Date** (Displayed in black color)
- **Source**

The Sling Model ensures that these fields are dynamically retrieved and displayed in the component.

Multi-Field News Component:

A multi-field component was created to accommodate multiple news entries dynamically. This component consists of:

- A repeatable structure allowing multiple news entries
- Fields for **News Title** and **Source**

This implementation allows content authors to add multiple news articles within a single instance of the component.



The screenshot displays the AEM development environment. On the left, a component tree shows the hierarchy: **js.txt**, **cq:design_dialog**, **cq:dialog**, **content**, **items**, **column**, **items**, **newsTitle**, **newsDetail**, **date**, **source**, **image**, **news.html**, and **jcr:content**. On the right, a properties table is shown with the following data:

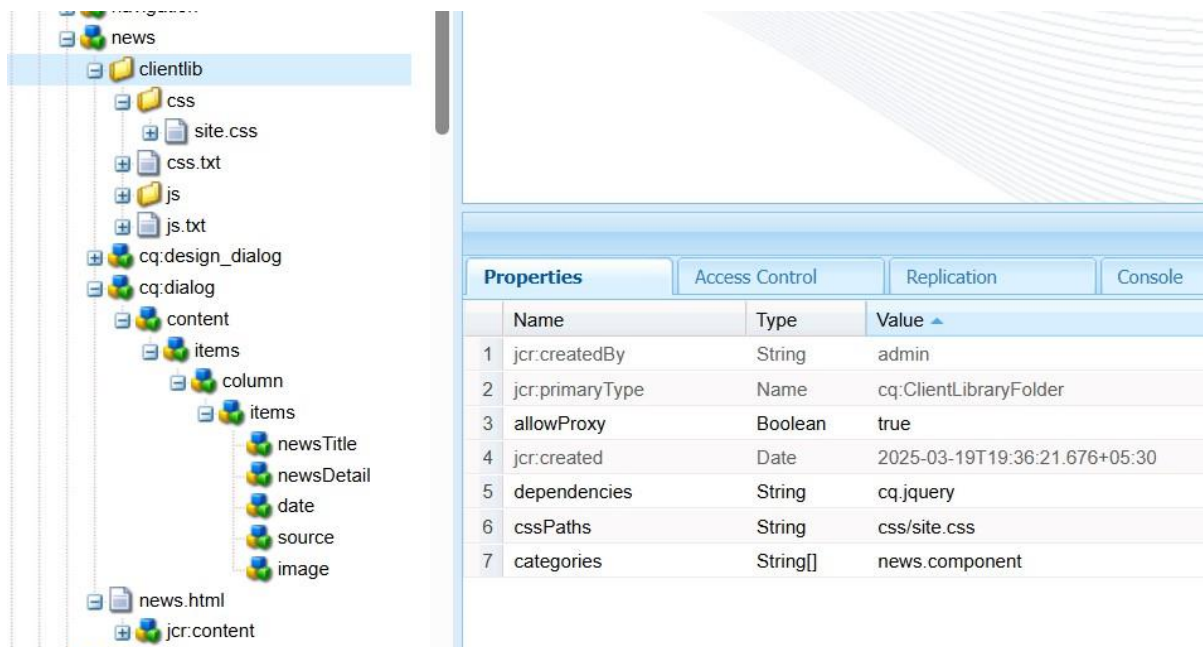
Properties			Access Control	Replication	Console	Build Info
Name	Type	Value				
1 jcr:primaryType	Name	nt:unstructured				
2 composite	Boolean	false				
3 name	String	./image				
4 fieldLabel	String	News Image				
5 sling:resourceType	String	granite/ui/components/coral/foundation/form/pathfield				

Clientlibs for News Component :

Clientlibs were implemented for styling the news component. The following styles were applied:

- **Heading (h2):** Green color
- **News Detail (<p>):** Yellow color
- **Published Date:** Black color

The styles were included in the component using AEM's Clientlibs mechanism.



The screenshot displays the AEM console interface. On the left, a tree view shows the project structure: 'news' > 'clientlib' > 'css' > 'site.css'. The 'clientlib' folder is selected. On the right, the 'Properties' tab is active, showing a table of properties for the clientlib.

	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

Custom Component Style:

A custom style named cop-news-component was added to the component, allowing content authors to apply predefined styling easily.

Base Page Component and Metadata Configuration:

A base page component was created, and a metadata file was linked to ensure that Open Graph (OG) properties are dynamically added to the page. These properties include:

- **og:title**
- **og:description**
- **og:image**

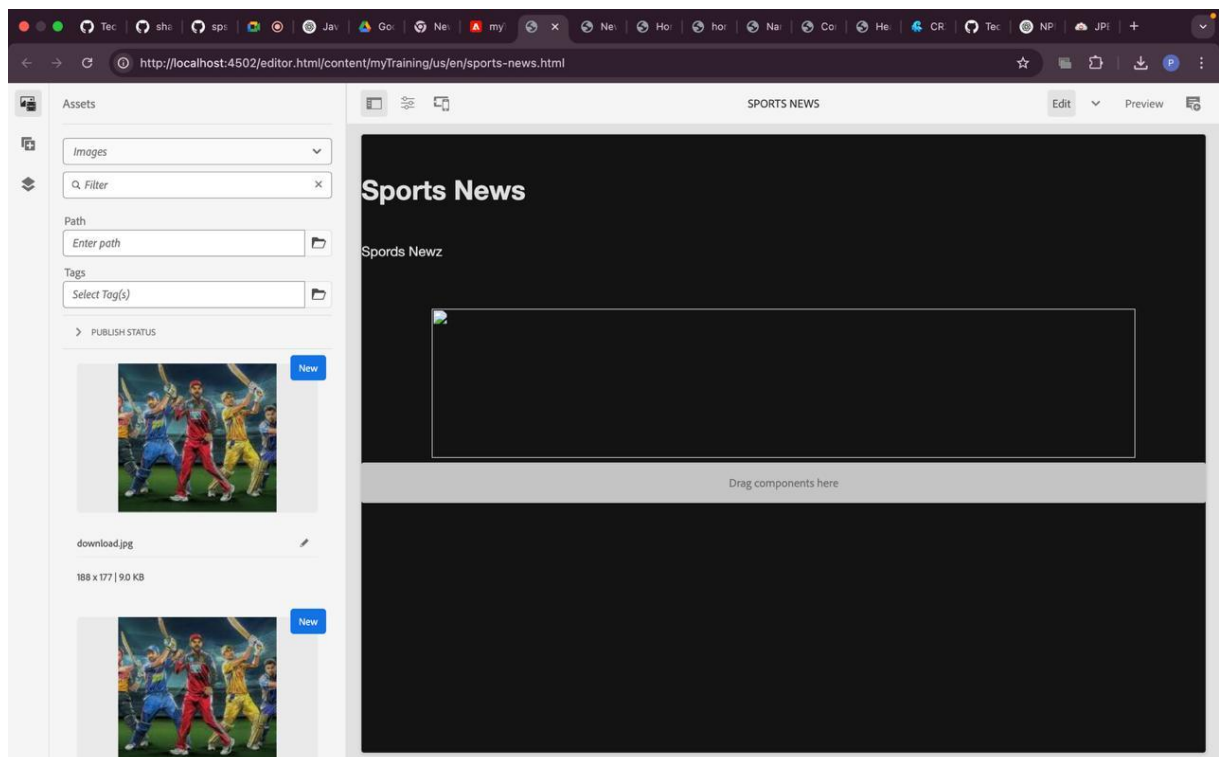
This ensures that when the page is shared on social media platforms, relevant metadata is displayed.

Custom Page Properties:

A custom page properties configuration was implemented under "Global Properties" with the following fields:

- **OG Title**
- **OG Description**
- **OG Image Path**

This enables content authors to set Open Graph metadata for each page directly from the AEM page properties.



ExtraClientLibs in Multi-Field Component:

The extraClientLibs property was utilized in the multi-field component to ensure additional dependencies and scripts are loaded when the component is rendered. This approach enhances the flexibility and performance of the component.