

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**

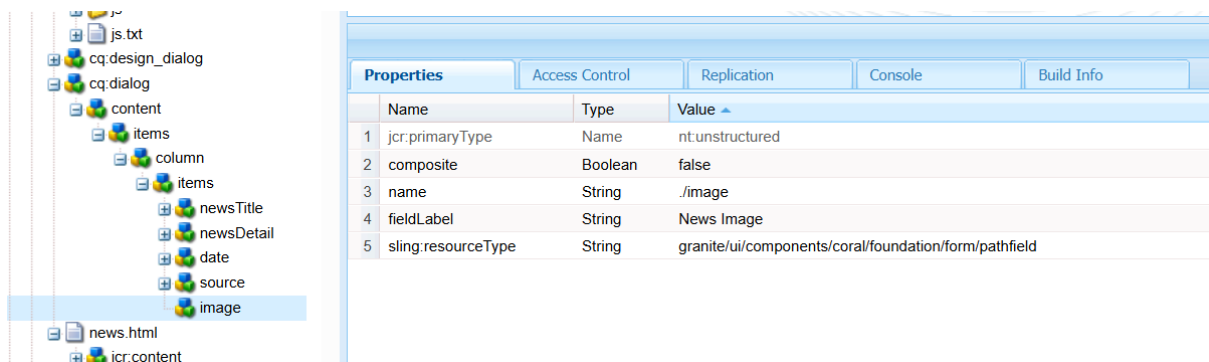
The Sling Model ensures that these fields are dynamically retrieved and displayed in the component.

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 project tree shows the component structure: a 'news.html' file and a 'jcr:content' node containing a 'news' component. The 'news' component has a 'content' node with 'items', 'column', and 'items' sub-nodes. The 'items' node contains 'newsTitle', 'newsDetail', 'date', 'source', and 'image' fields. On the right, a 'Properties' table is shown with the following data:

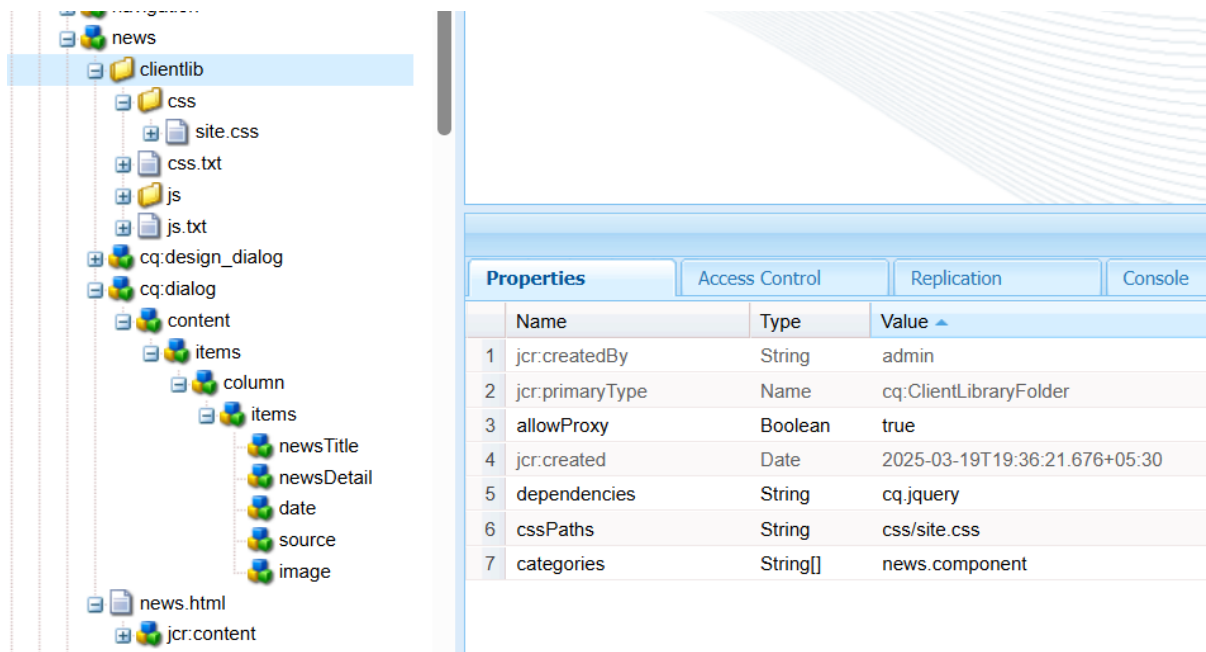
| Name | Type | Value |
|----------------------|---------|---|
| 1 jcr:primaryType | Name | nt:unstructured |
| 2 composite | Boolean | false |
| 3 name | String | ./image |
| 4 fieldLabel | String | News Image |
| 5 sling:resourceType | String | granite/ui/components/coral/foundation/form/pathfield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

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.



| Properties | | | |
|------------|-----------------|----------|-------------------------------|
| | 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**

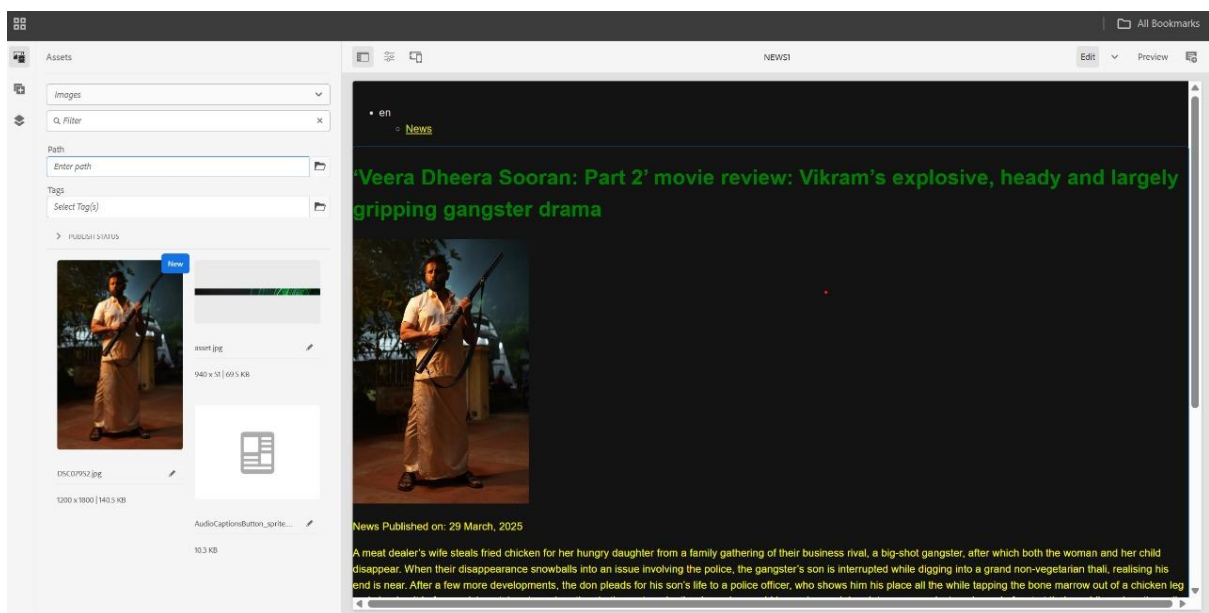
This ensures that when the page is shared on social media platforms, relevant metadata is displayed.

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.