

Task-3

News Component Development

A News Component was developed using Sling Models in AEM.

It includes the following fields, each styled uniquely:

News Title: Rendered as <h2> and styled in green.

News Detail: Displayed as a <p> tag in yellow.

Published Date: Shown in black text.

Source: Indicates where the news originated.

The Sling Model is used to dynamically fetch and bind these values to the component, enabling clean separation of data and presentation.

Multi-Field News Component

A multi-field version of the news component was also developed.

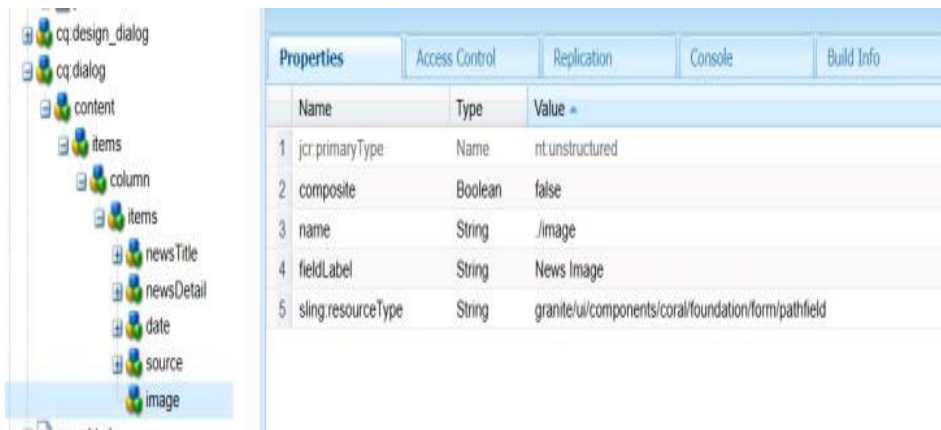
It allows authors to add multiple news items dynamically within a single component.

Each repeatable entry contains:

News Title

Source

This approach enhances content flexibility and improves the authoring experience, allowing efficient management of several news entries in one place.



The screenshot displays the AEM Sling Model configuration interface. On the left, a tree view shows the component structure: cq:design_dialog, cq:dialog, content, items, column, items, newsTitle, newsDetail, date, source, and image. The 'newsTitle' component is selected. On the right, the 'Properties' tab is active, showing a table with 5 rows of properties.

	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 the News Component

Clientlibs (Client Libraries) in AEM were used to apply custom styles to the News Component.

These styles were defined in a CSS file and linked through AEM's clientlibs mechanism.

Design Elements Styled via Clientlibs:

Heading (<h2>): Colored green to highlight the news title.

News Detail (<p>): Styled in yellow for visual distinction.

Published Date: Rendered in black for readability and emphasis.

The styling was applied by:

Creating a clientlib folder under the component.

Defining a categories property (e.g., news.component) in the cq:ClientLibraryFolder.

Including the CSS file with the styles inside the clientlib.

Referencing the clientlib in the component's HTL file using:

html

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mechanism.



The screenshot displays the AEM interface. On the left, a tree view shows the 'news' component structure, including a 'clientlib' folder containing 'css' (with 'site.css' and 'css.txt') and 'js' (with 'js.txt'). Below this are 'cq:design_dialog', 'cq:dialog', 'content', 'items', 'column', and 'newsTitle', 'newsDetail', and 'date'. On the right, the 'Properties' tab is active, showing a table of properties for the 'news' component.

	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

Custom Component Style

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

Base Page Component and Metadata Configuration

A base page component was created, with a linked metadata file to dynamically incorporate Open Graph (OG) properties into the page. These properties include:

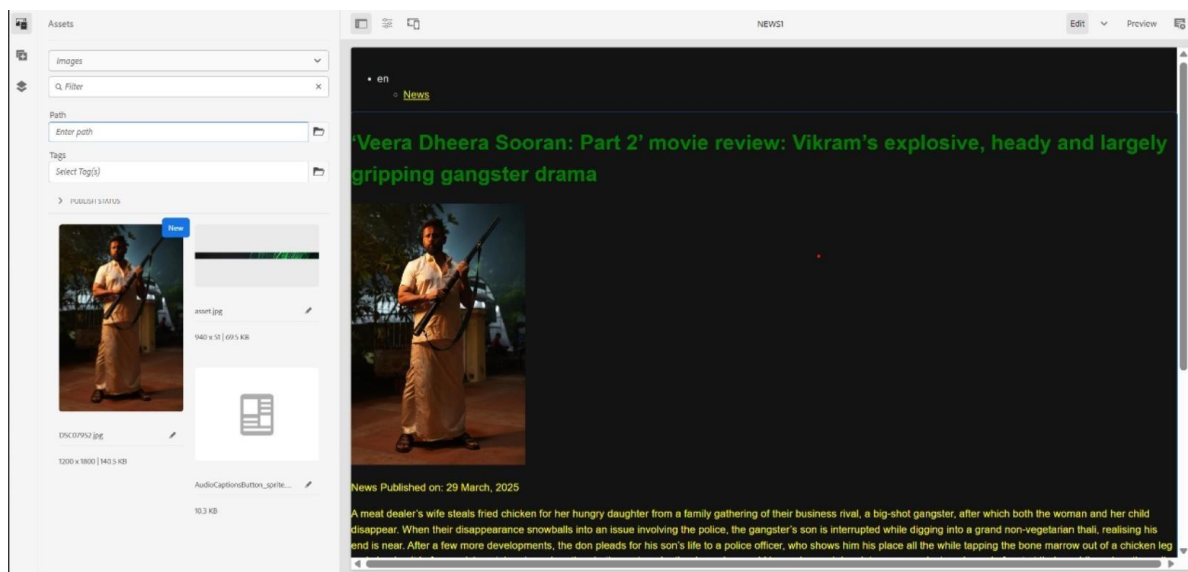
- og:title
- og:description
- og:image

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

Custom Page Properties

A custom page properties configuration was added under "Global Properties", allowing content authors to define Open Graph (OG) metadata for each page. The configured fields include:

- OG Title
- OG Description
- OG Image Path



This enables seamless management of OG metadata directly from the AEM page properties.

ExtraClientLibs in the Multi-Field Component

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