

AEM Task-3: News Component Development Using Sling Model

News Component Development

A News Component was built using a **Sling Model**, featuring the following fields:

- **News Title** – Displayed as <h2> in **green**.
- **News Detail** – Rendered as <p> in **yellow**.
- **Published Date** – Shown in **black**.
- **Source** – Indicates the origin of the news.

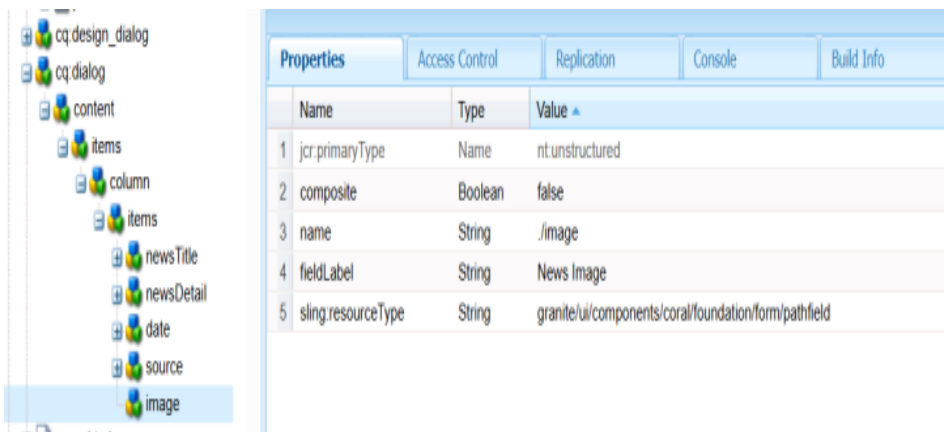
The **Sling Model** dynamically retrieves and displays these fields within the component.

Multi-Field News Component

A **multi-field component** was developed to enable the dynamic addition of multiple news entries. It includes:

- A **repeatable structure** for adding multiple news items.
- Fields for **News Title** and **Source** for each entry.

This implementation allows content authors to manage multiple news articles within a single component instance efficiently.



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' field is selected. On the right, the 'Properties' tab is active, showing a table with 5 rows of properties.

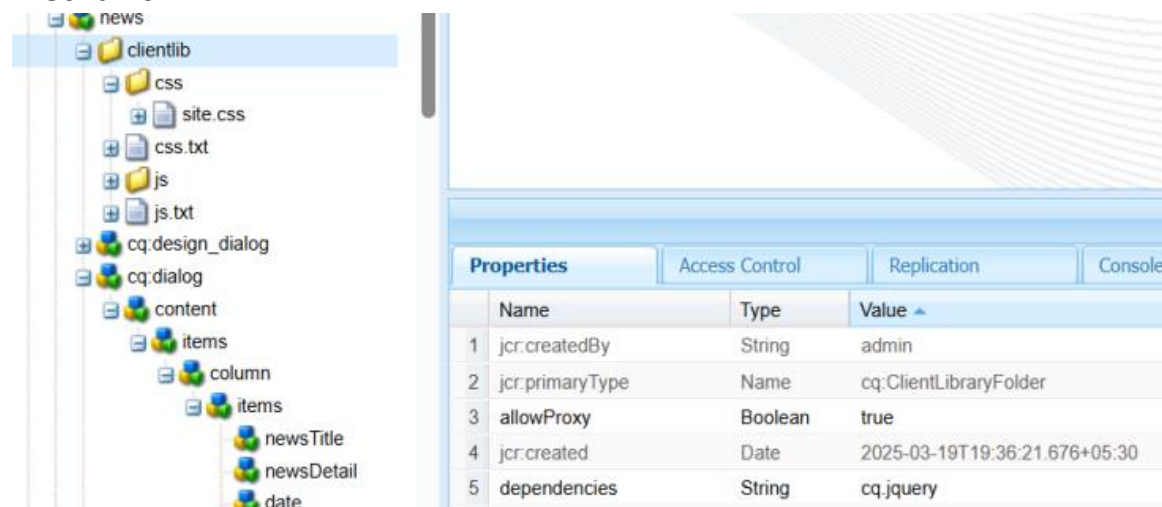
Name	Type	Value
1 jcr:primaryType	Name	nt:unstructured
2 composite	Boolean	false
3 name	String	/image
4 fieldLabel	String	News Image
5 sling:resourceType	String	granite/ui/components/coral/foundation/form/pathfield

Clientlibs for the News Component

Clientlibs were utilized to style the News Component with the following design elements:

- **Heading (<h2>)** – Styled in **green**.
- **News Detail (<p>)** – Styled in **yellow**.
- **Published Date** – Displayed in **black**.

These styles were integrated into the component using AEM's **Clientlibs** mechanism.



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:

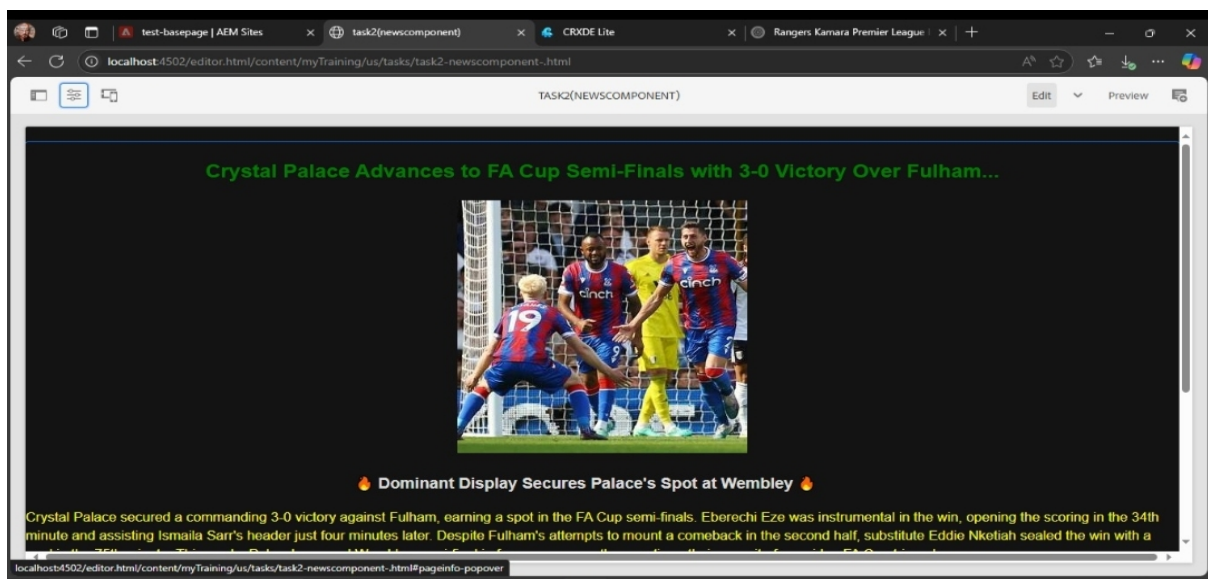
- **og:title**
- **og:description**
- **og:image**

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.

