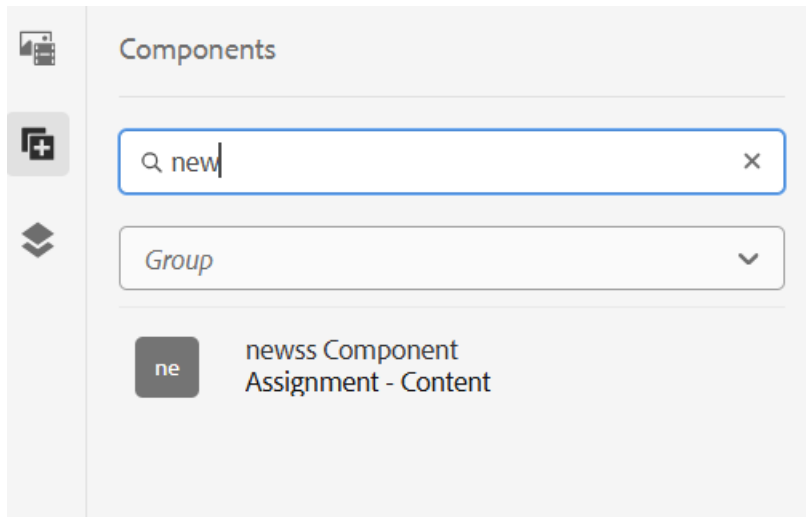1.Create A new component which have news title(should print as h2), news detail(<p>), published date, source create this component using sling model.

Components

Q new ✕

Group ⌄

ne	newss Component
	Assignment - Content

Breaking News Component   ❓ ▣

News Title

Tech Giant Unveils Groundbreaking AI Model

News Detail

In a landmark announcement today, TechNova Inc., a leading technology firm, introduced its most advanced Artificial Intelligence (AI) model yet—NeuralX-5. This cutting-edge AI promises to revolutionize industries ranging from healthcare to finance, with its human-like reasoning and predictive capabilities.
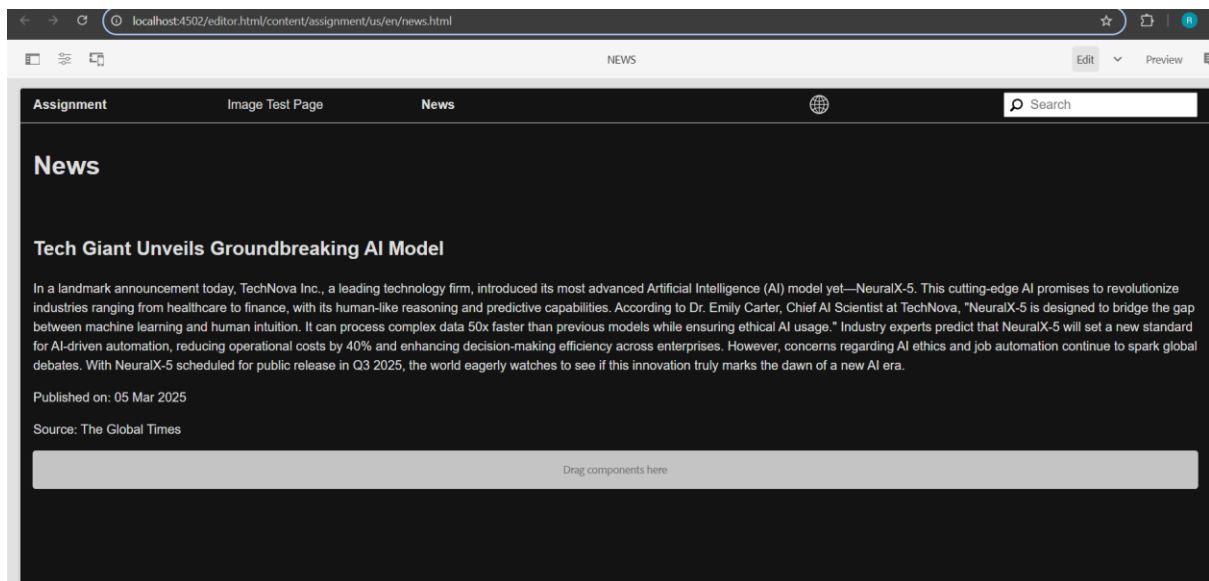
Published Date
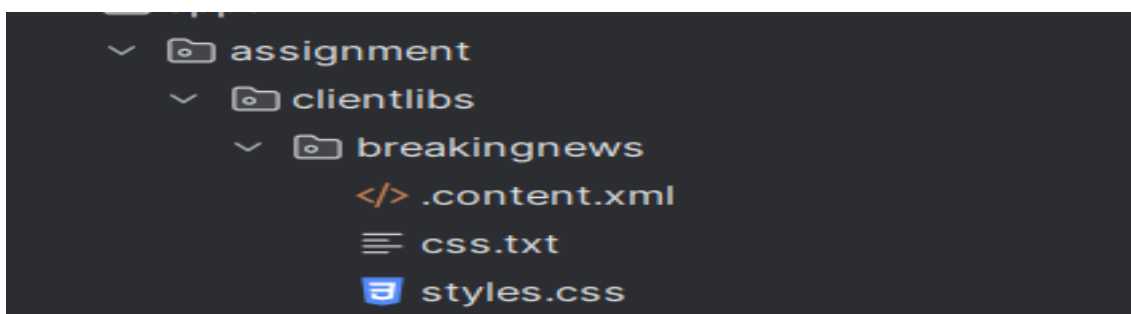
2025-03-05 📅

Source

The Global Times

Cancel   **Done**

2. Create multi field component(multiple news) using sling model fields: title of new and source of news

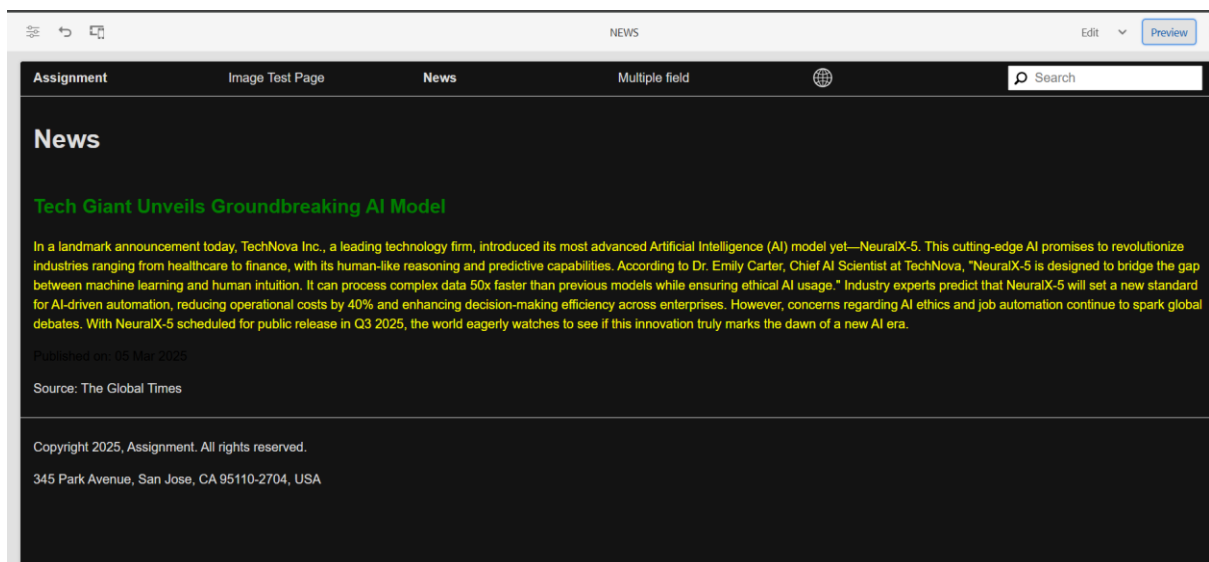## 3. Create clientlibs for news component

```
.cmp-breakingnews__title {
    color: green;
}


.cmp-breakingnews__detail {
    color: yellow;
}


.cmp-breakingnews__date {
    color: black;
}
```
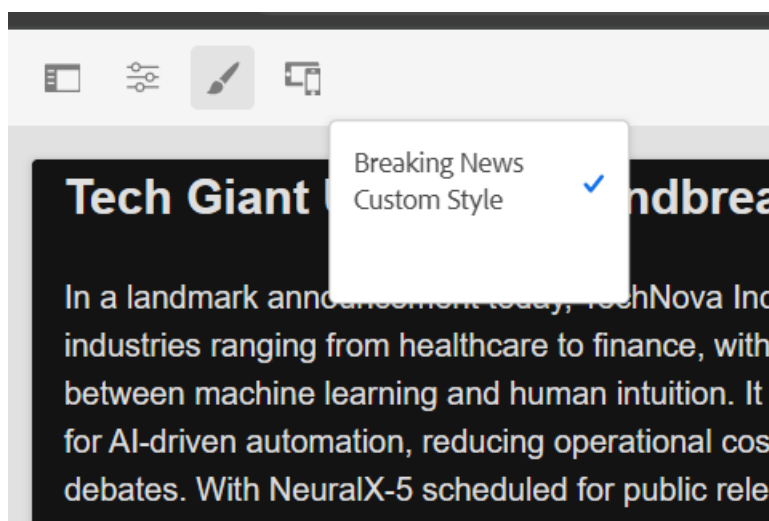
4.Apply Green colour to the heading(h2) and yellow colour to news detail(<p) and date should be black in colour.

Edit ⌄ Preview

| Assignment | Image Test Page | News | Multiple field | 🌐 | 🔍 Search |

News

Tech Giant Unveils Groundbreaking AI Model

In a landmark announcement today, TechNova Inc., a leading technology firm, introduced its most advanced Artificial Intelligence (AI) model yet—NeuralX-5. This cutting-edge AI promises to revolutionize industries ranging from healthcare to finance, with its human-like reasoning and predictive capabilities. According to Dr. Emily Carter, Chief AI Scientist at TechNova, "NeuralX-5 is designed to bridge the gap between machine learning and human intuition. It can process complex data 50x faster than previous models while ensuring ethical AI usage." Industry experts predict that NeuralX-5 will set a new standard for AI-driven automation, reducing operational costs by 40% and enhancing decision-making efficiency across enterprises. However, concerns regarding AI ethics and job automation continue to spark global debates. With NeuralX-5 scheduled for public release in Q3 2025, the world eagerly watches to see if this innovation truly marks the dawn of a new AI era.

Published on: 05 Mar 2025

Source: The Global Times

345 Park Avenue, San Jose, CA 95110-2704, USA

5. Add Component style to add custom style name (cop-news-component) in news component

```xml
<?xml version="1.0" encoding="UTF-8"?>
<jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0"
          xmlns:cq="http://www.day.com/jcr/cq/1.0"
          xmlns:jcr="http://www.jcp.org/jcr/1.0"
          jcr:primaryType="nt:unstructured"
          jcr:title="Breaking News Design"
          sling:resourceType="cq/gui/components/authoring/dialog">

    <content jcr:primaryType="nt:unstructured"
             sling:resourceType="granite/ui/components/coral/foundation/container">
        <items jcr:primaryType="nt:unstructured">

            <styles jcr:primaryType="nt:unstructured"
                    sling:resourceType="cq/gui/components/authoring/dialog/style"
                    cq:styleGroups="[{
                        'title': 'News Styles',
                        'styles': [
                            {'id': 'cop-news-component', 'name': 'Custom News Style'}
                        ]
                    }]"/></items>
    </content>
</jcr:root>
```


6. Create a base page component and add new file as metadata so that it can print og:title, og:description and og:image link that file in base page.html

```html
<head>
    <meta property="og:title" content="${properties['og:title']}" />
    <meta property="og:description" content="${properties['og:description']}" />
    <meta property="og:image" content="${properties['og:image']}" />
</head>
```

7.Create custom page properties saying Global properties and 3 fields should be there as og:title, og :description and og:image path.

dialog.xml
```xml
<jcr:root xmlns:jcr="http://www.jcp.org/jcr/1.0"
      xmlns:sling="http://sling.apache.org/jcr/sling/1.0"
      jcr:primaryType="cq:Dialog"
      cq:dialogMode="floating">

   <content jcr:primaryType="nt:unstructured">
      <items jcr:primaryType="nt:unstructured">
        <ogTitle
            jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
            fieldLabel="OG Title"
            name="./ogTitle"/>
        <ogDescription
            jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
            fieldLabel="OG Description"
            name="./ogDescription"/>
        <ogImage
            jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
            fieldLabel="OG Image"
            name="./ogImage"/>
      </items>
   </content>
</jcr:root>
```

8. What is extraclientlib add it this multi field component

ExtraClientLibs is a property in AEM that allows additional client libraries (CSS/JS) to be included dynamically for a component without modifying the component's default client libraries.

Why Use extraClientLibs?

- Helps extend functionality without modifying core component clientlibs.

- Useful for adding custom JavaScript or styles specific to a component.

- Allows separation of concerns, keeping core and additional scripts/styles modular.

- Makes debugging and maintenance easier by loading external scripts as needed