

## 1 . Create a News room page component using the base page component

### Step 1: Setting Up the Folder Structure

1. Navigate to the following directory in your AEM project:

swift

ui.apps/src/main/content/jcr\_root/apps/myTraining/components/structure/

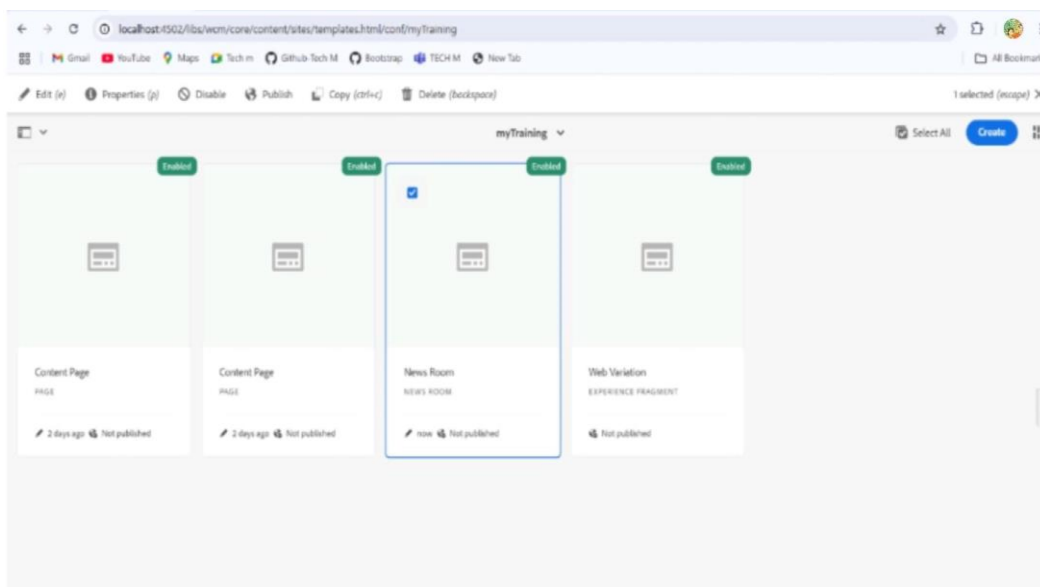
2. Create a new folder named **newsroom-page**.

### Step 2: Creating the News Room Page HTML File

- Inside the **newsroom-page** folder, create a new file named **newsroom-page.html**.
- Extend the **base-page** component using the following code:

```
<sly data-sly-use.basePage="com.myTraining.core.models.BasePageModel">
  <div class="newsroom-page">
    <sly data-sly-include="@basePage.html"/>
  </div>
</sly>
```

- The **data-sly-use** statement loads the **BasePageModel**, which provides the functionality of the base page.
- The **<sly>** tag includes the **base-page** component inside a **<div>** with the class **newsroom-page**.
- This setup ensures that the **News Room Page** inherits the structure, layout, and styling of the **Base Page**, allowing for consistent design and behavior



## 2 . Creating a Custom Page Property: NEWS Configurations

To allow content authors to configure news-specific properties, such as setting a default news image and customizing the **"Read More"** call-to-action (CTA) text :

### Step 1: Navigating to the Component Folder

1. Go to the following directory in your AEM project:

ui.apps/src/main/content/jcr\_root/apps/myTraining/components/structure/newsroom-page/

2. Create a new **cq:dialog** file inside the **newsroom-page** folder.

### Step 2: Defining the News Configuration Dialog

The dialog allows authors to manage news-related settings. Add the following XML structure in the **cq:dialog** file:

```
<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="cq:Dialog"
  cq:dialogMode="floating">

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

    <items jcr:primaryType="nt:unstructured">
      <newsConfig jcr:primaryType="nt:unstructured"
        sling:resourceType="granite/ui/components/coral/foundation/form/fieldset"
        jcr:title="NEWS Configurations">

        <items jcr:primaryType="nt:unstructured">
          <defaultImage jcr:primaryType="nt:unstructured"
```

```

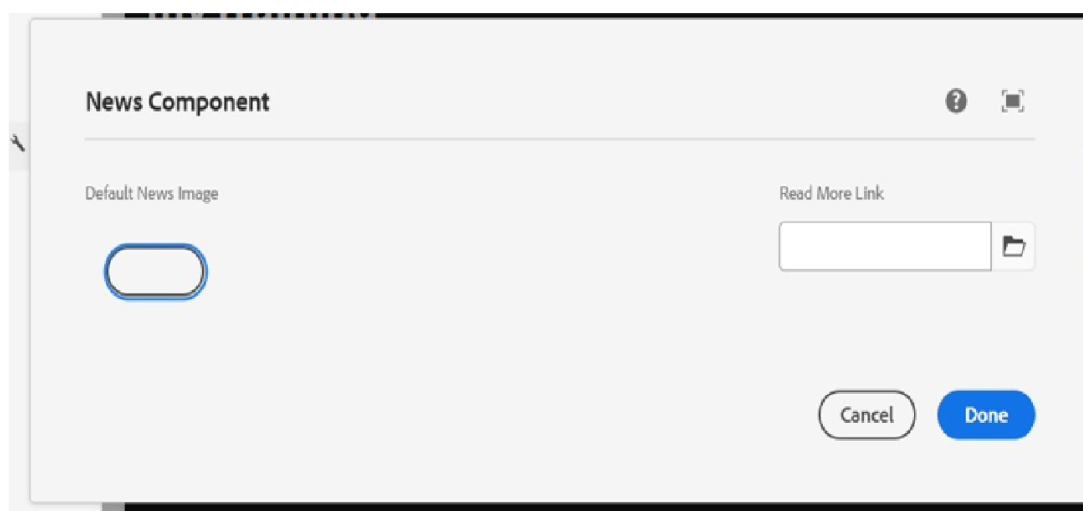
sling:resourceType="granite/ui/components/coral/foundation/form/fileupload"
    fieldLabel="Default News Image"
    name="./defaultNewsImage"/>
<readMoreCTA jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
    fieldLabel="Read More CTA"
    name="./readMoreCTA"/>
</items>
</newsConfig>
</items>
</content>
</jcr:root>

```

- The **defaultImage** field enables content authors to upload a default image for news articles.
- The **readMoreCTA** field allows customization of the "Read More" button text.
- The **floating dialog mode** ensures the settings panel appears as a pop-up, providing a seamless user experience.

By implementing this configuration, authors can efficiently manage news-related content while maintaining a consistent design across news page



### 3 . Creating a News Room Template Type Using the News Room Page Component

To establish a reusable **News Room Template Type**, follow the steps below:

#### Step 1: Setting Up the Folder Structure

1. Navigate to the following directory in your AEM project:

ui.apps/src/main/content/jcr\_root/conf/myTraining/settings/wcm/template-types/

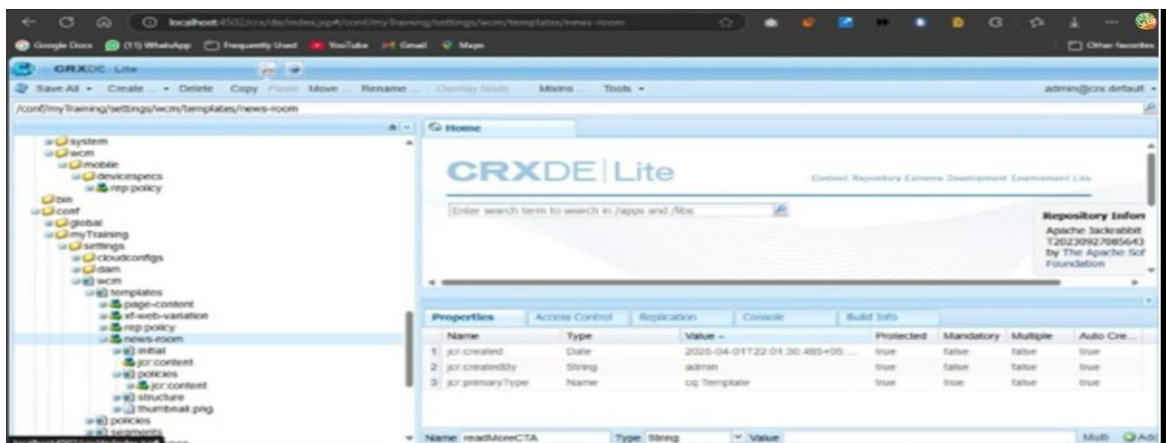
2. Create a new folder named **newsroom-template-type**.

#### Step 2: Defining the Template Type Configuration

Inside the **newsroom-template-type** folder, create a file named **.content.xml** and include the following content:

```
<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="cq:TemplateType"
  jcr:title="News Room Template Type"
  allowedPaths="/content/myTraining(/.*)?"
  allowedChildren="/apps/myTraining/components/structure/newsroom-page"/>
```

- Defines a new **template type** named **News Room Template Type**.
- Specifies that this template can be used for pages within the **/content/myTraining/** structure.
- Sets **newsroom-page** as an allowable child component, ensuring that pages created with this template inherit the structure and functionality of the **News Room Page** component.



#### 4 . Creating a News Room Template Using the News Room Template Type

To establish a **News Room Template** based on the previously defined **News Room Template Type**, follow these steps:

##### Step 1: Setting Up the Folder Structure

1. Navigate to the following directory in your AEM project:

ui.apps/src/main/content/jcr\_root/conf/myTraining/settings/wcm/templates/

2. Create a new folder named **newsroom-template**.

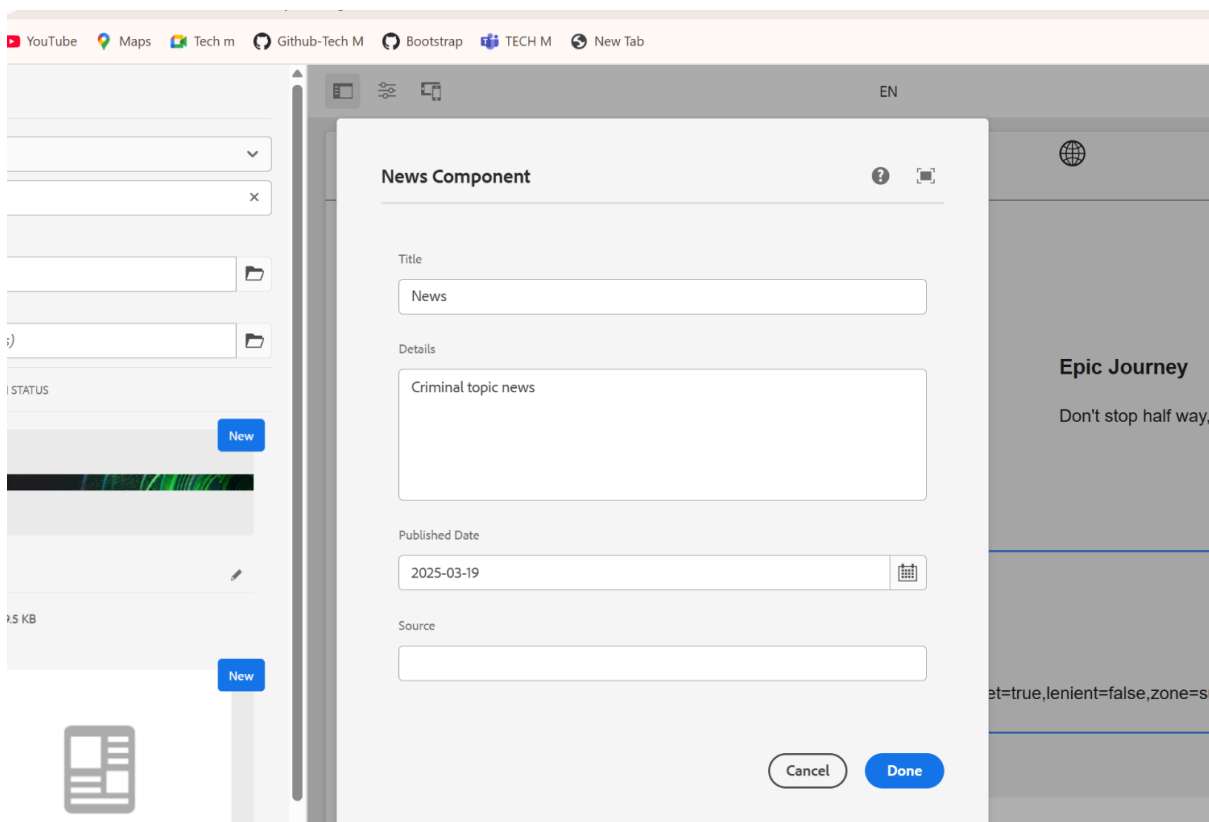
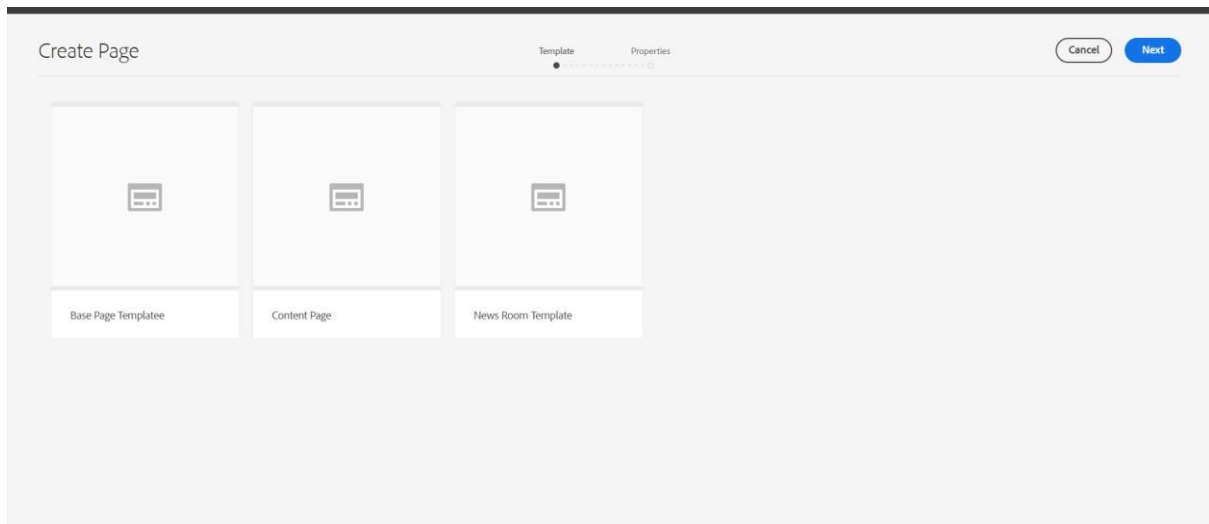
##### Step 2: Defining the Template Configuration

Inside the **newsroom-template** folder, create a file named **.content.xml** and include the following configuration:

```
<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="cq:Template"
  jcr:title="News Room Template"
  jcr:description="Template for News Room Pages"
  allowedPaths="/content/myTraining(/.*)?"
  cq:templateType="/conf/myTraining/settings/wcm/template-types/newsroom-
template-type"/>
```

- Defines a **News Room Template** that authors can use to create new pages.
- Sets the **allowedPaths** to `/content/myTraining(/.*)?`, ensuring the template is applicable within this content structure.
- Specifies that this template is based on the **newsroom-template-type**, ensuring consistency with the **News Room Page** component.

By creating this template, content authors can easily generate news pages with a structured and pre-configured layout, streamlining the content creation process



## 5 . Applying Styles to the News/Hello World Component from ui.frontend

To enhance the appearance of the **News** or **Hello World** component :

### Step 1: Locate the News Component Styles

1. Navigate to the following directory in your AEM project:  
ui.frontend/src/main/webpack/components/news/

2. Find the **news.scss** file within this folder.

### Step 2: Add Custom Styles

Modify the **news.scss** file by including the following styles:

```
.news-component {
  h2 {
    color: green; // Sets the title text color to green
  }
  p {
    color: yellow; // Colors the news description in yellow
  }
  .date {
    color: black; // Ensures the date text appears in black
  }
}
```

- **h2 (heading)** → The title of the news component will appear in **green**.
- **p (paragraph)** → The news content will be displayed in **yellow**.
- **.date (CSS class for the date field)** → The date will be rendered in **black**.

By implementing these styles, the **News** or **Hello World** component will have a distinct and visually appealing design, ensuring clarity and readability.

## 6 . Creating a Custom Style to Apply Styling to the Hello World or News Component

To enable content authors to apply predefined styles to the **Hello World** or **News** component in AEM,

### Step 1: Define Custom Styles for the News Component

1. Navigate to the following directory in your AEM project:

```
ui.apps/src/main/content/jcr_root/apps/myTraining/components/news/
```

2. Inside this folder, modify the **.content.xml** file to include a **cq:style** configuration.

### Step 2: Add Style Configuration to .content.xml

Insert the following XML structure:

```
<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">
```

```
<cq:styleClasses jcr:primaryType="nt:unstructured">
```

```
<style1 jcr:primaryType="nt:unstructured"
```

```
  cq:styleLabel="Green Header"
```

```
  cq:styleId="green-header"/>
```

```
<style2 jcr:primaryType="nt:unstructured"
```

```
  cq:styleLabel="Yellow News Detail"
```

```
  cq:styleId="yellow-news-detail"/>
```

```
</cq:styleClasses>
```

```
</jcr:root>
```

- **cq:styleClasses** → Defines a list of available styles for the component.
- **Style 1: "Green Header" (green-header)** → Applies styling to make the header text appear in **green**.
- **Style 2: "Yellow News Detail" (yellow-news-detail)** → Formats the news details in **yellow**.
- These styles can now be selected through **AEM's Style System**, allowing authors to apply them dynamically within the page editor.

**Weather News**

**Expected heavy rain today in north Chennai**

**01.04.2025**

**IMC**