21/03/2025 - TASKS

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1. Create News Room Page Component Using Base Page Component

AEM allows extending base components to create customized templates. The News Room Page Component extends the Base Page Component for better content structuring.

Steps:

- Navigate to CRXDE Lite (http://localhost:4502/crx/de).

- Locate /apps/exampleProject/components and create a folder named newsRoomPage.

- Define the necessary component files, including newsRoomPage.html.

- Extend the base page component using sling:resourceSuperType.

- Activate the component.

Code Snippet:

```
<jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0"

    jcr:primaryType="cq:Component"

    sling:resourceSuperType="exampleProject/components/basePage"

    jcr:title="News Room Page Component"/>
```

---

2. Create Custom Page Property: NEWS Configurations

Custom properties help store additional configurations for specific pages.

Steps:

- Define a cq:dialog structure for additional NEWS configurations.

- Add fields like category, author, and featured status.

- Activate the configuration.

Code Snippet:

```xml
<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>
```

This configuration allows authors to:

- Upload a default image for news articles (defaultImage).

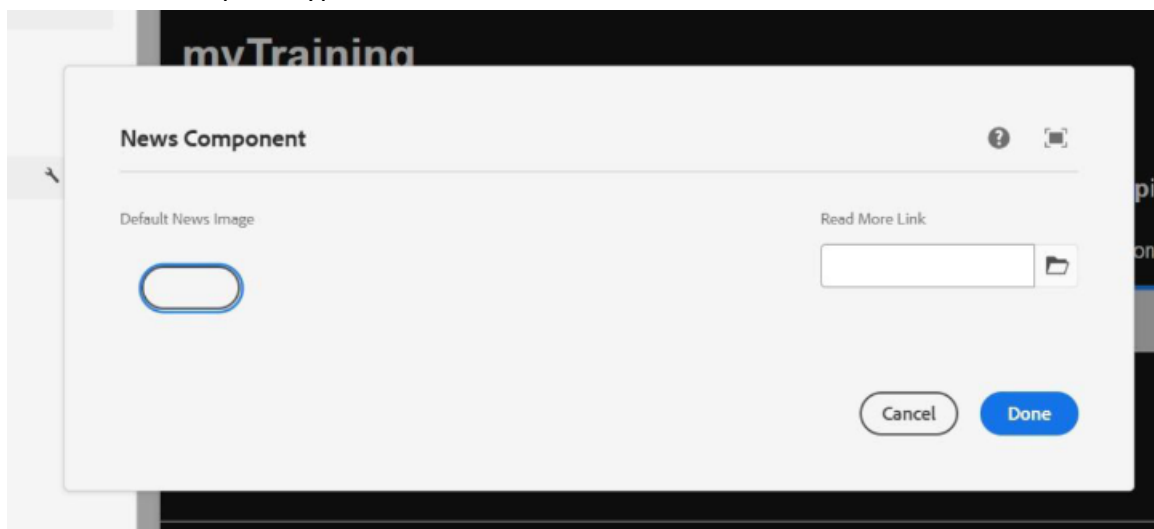- Specify the "Read More" call-to-action text (readMoreCTA).

---

3. Create News Room Template Type Using News Room Page Component

Template Types define structured layouts for new pages.

Steps:

- Create a new template type under /conf/exampleProject/settings/wcm/template-types/newsRoomTemplate.

- Set jcr:content's sling:resourceType to newsRoomPage.

- Define allowed paths for usage.

- Activate the template type.

4. Create News Room Template Using News Room Template Type

Templates standardize page creation by defining reusable structures.

Steps:

- Create a new template under /conf/exampleProject/settings/wcm/templates/newsRoom.

- Link it to the previously created template type.

- Configure the structure for static and editable areas.

- Activate the template.

---

5. Apply Styling to News/Hello World Component from ui.frontend

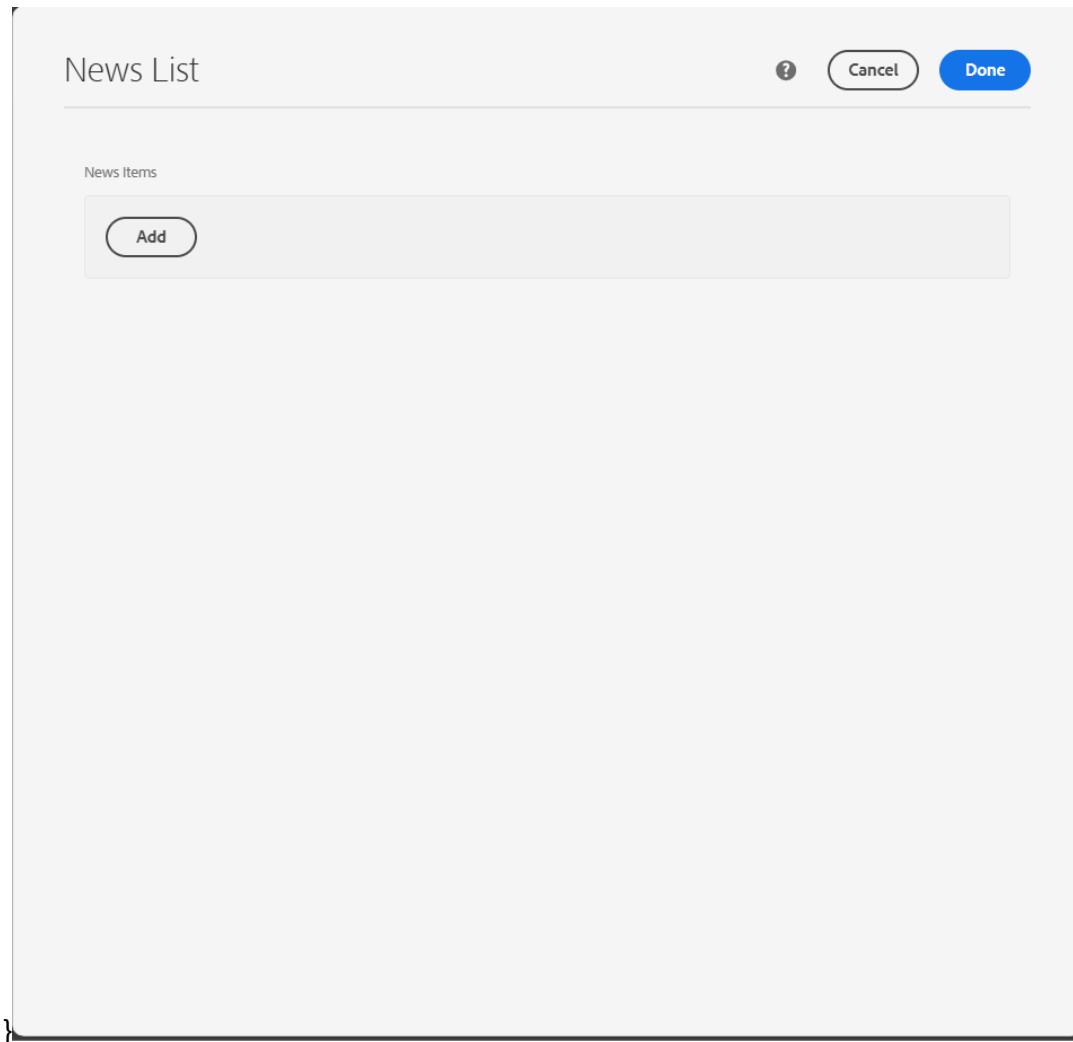Applying frontend styles enhances the visual experience of News components.

Steps:

- Navigate to /ui.frontend/src/main/webpack/components/news.

- Define styles in news.scss for layout and typography.

- Update webpack.config.js to ensure proper bundling.

- Deploy changes and verify the applied styles.

Code Snippet (news.scss):

```
.news-heading {

    font-size: 24px;

    font-weight: bold;

    color: navy;

}


.news-summary {

    font-size: 16px;

    color: gray;
```

News List   ❓ (Cancel) (Done)

News Items

(Add)

}

---

6. Create Custom Style to Apply Above Styling to Hello World or News Component

AEM's Style System enables predefined styles for components.

Steps:

- Open /apps/exampleProject/components/newsRoom/_cq_design_dialog.

- Define a style group named "News Styles."

- Add styles such as "Bold Heading" and "Highlighted Text."

- Activate and apply styles through the component editor.

Code Snippet (_cq_design_dialog.xml):

<jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0"

```
        jcr:primaryType="nt:unstructured">

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

        <styleGroup jcr:primaryType="nt:unstructured" jcr:title="News Styles">

            <boldHeading jcr:primaryType="nt:unstructured" jcr:title="Bold Heading"/>

            <highlightedText jcr:primaryType="nt:unstructured" jcr:title="Highlighted Text"/>

        </styleGroup>

    </content>

</jcr:root
```