

20-03-2025

1. News Component (Sling Model)

Fields:

- News Title → display as <h2>
- News Detail → display as <p>
- Published Date
- Source

news.html

html

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```
<div class="cop-news-component">

  <h2 class="news-title">${newsModel.title}</h2>

  <p class="news-detail">${newsModel.detail}</p>

  <div class="news-date">Published on: ${newsModel.publishedDate}</div>

  <div class="news-source">Source: ${newsModel.source}</div>

</div>
```

NewsModel.java

java

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```
@Model(adaptables = Resource.class, defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)

public class NewsModel {

    @Inject
    private String title;

    @Inject
    private String detail;

    @Inject
    private String publishedDate;
```

```

@Inject
private String source;

public String getTitle() { return title; }
public String getDetail() { return detail; }
public String getPublishedDate() { return publishedDate; }
public String getSource() { return source; }
}

```

2. Multifield Component (Multiple News Items)

newslist.html

```

html
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<div class="news-list">
  <ul data-sly-list="${newsListModel.newsList}">
    <li>
      <strong>${item.title}</strong> - <em>${item.source}</em>
    </li>
  </ul>
</div>

```

NewsListModel.java

```

java
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@Model(adaptables = Resource.class)
public class NewsListModel {

    @Inject
    @Named("news")
    private List<NewsItem> newsList;

    @Model(adaptables = Resource.class)

```

```

public static class NewsItem {

    @Inject private String title;

    @Inject private String source;


    public String getTitle() { return title; }

    public String getSource() { return source; }

}


public List<NewsItem> getNewsList() {

    return newsList;

}

}

```

3. Create Clientlibs

Path: /apps/your-project/components/news/clientlibs

Add cq:ClientLibraryFolder = true

Add categories property:

txt

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your.project.news

Add CSS file (news.css)

css

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```
.cop-news-component h2 {
```

```
    color: green;
```

```
}
```

```
.cop-news-component p {
```

```
    color: yellow;
```

```
}
```

```
.cop-news-component .news-date {
```

```
    color: black;
```

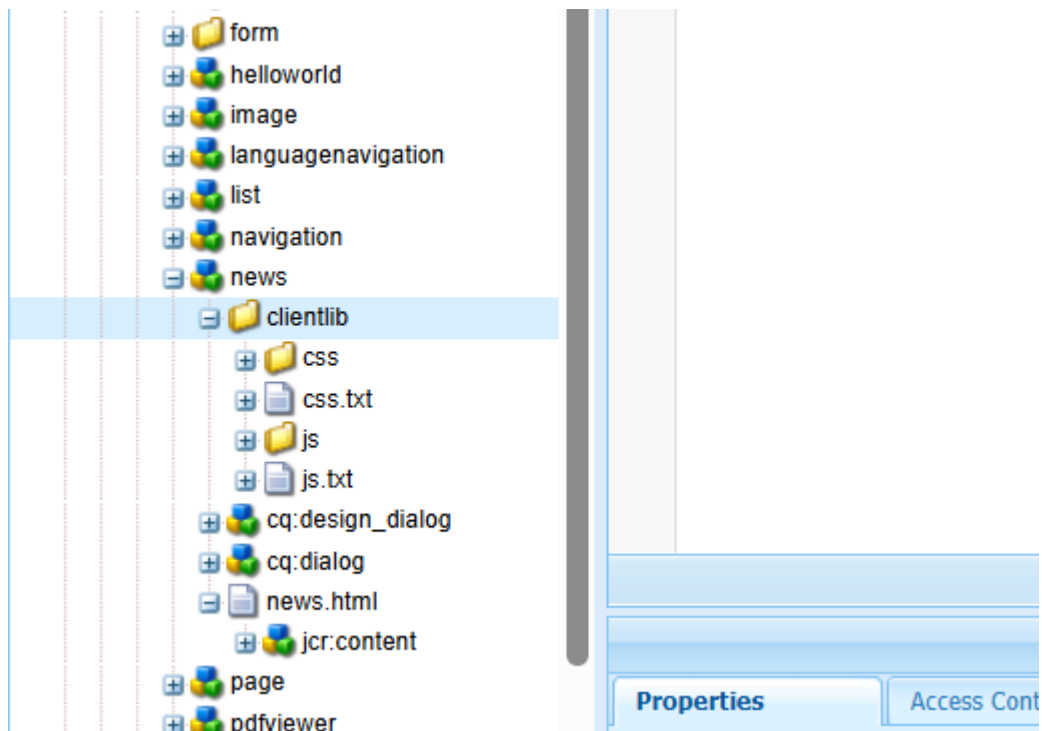
```
}
```

news.html include clientlib

html

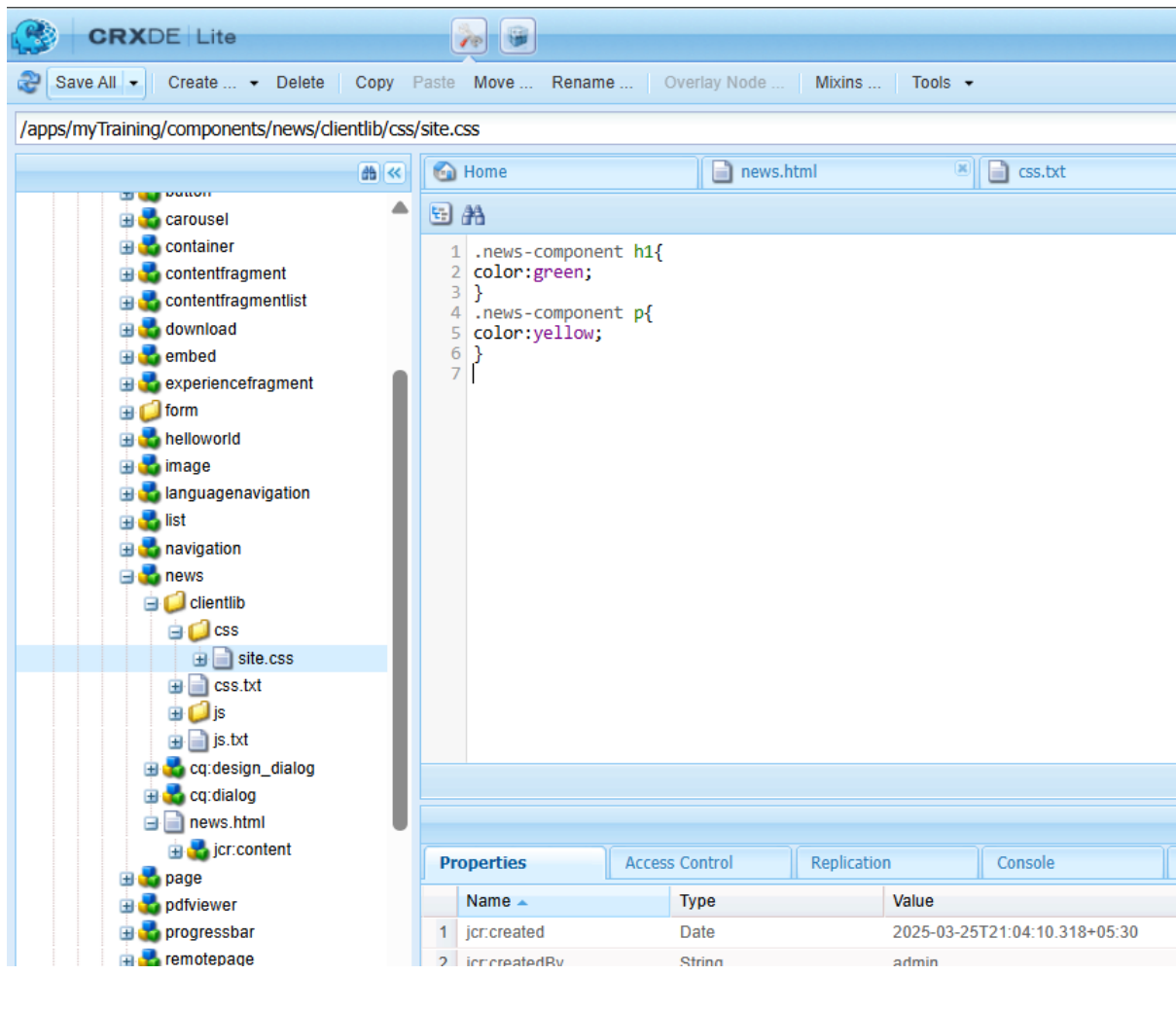
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```
<cq:includeClientLib categories="your.project.news"/>
```



4. Apply Colors to Elements

Already handled in the CSS above.



5. Add Component Style (cop-news-component)

In news component node

Add:

txt

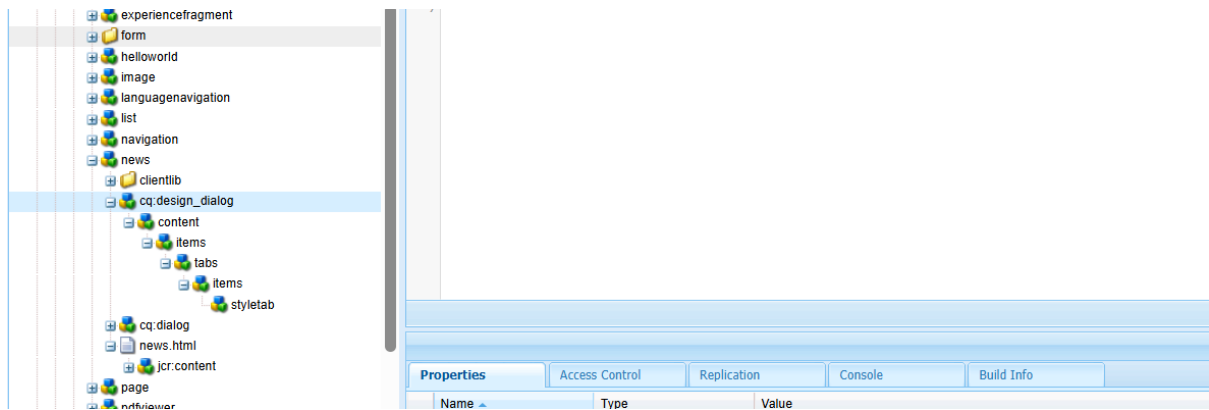
CopyEdit

`slings:resourceSuperType = "core/wcm/components/xxx"` (if needed)

`cq:styleDefaultClasses = "cop-news-component"`

OR use Policy in Editable Template:

1. Go to template → Select Policy → Styles
2. Add Style Group: News Styles
3. Add Style: COP News Component → CSS Class: cop-news-component



6. Create Base Page Component with Meta Tags

basepage.html

html

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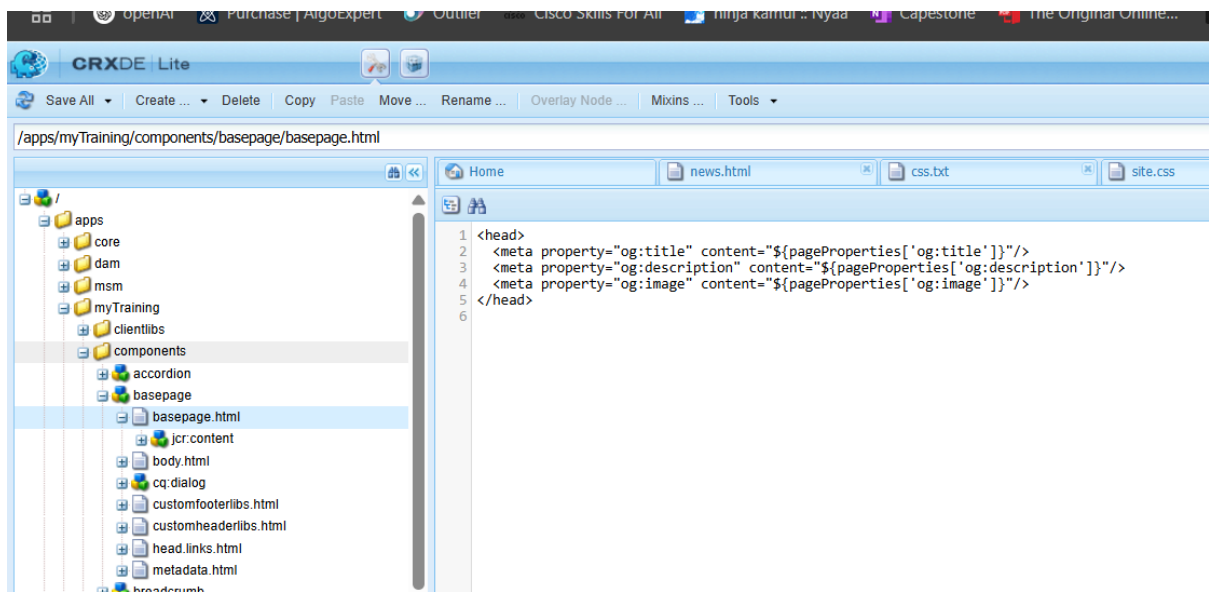
<head>

<meta property="og:title" content="\${pageProperties['og:title']}" />

<meta property="og:description" content="\${pageProperties['og:description']}" />

<meta property="og:image" content="\${pageProperties['og:image']}" />

</head>



7. Custom Page Properties: Global Properties

Dialog XML in page component (or use cq:dialog)

xml

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```
<tabs>

  <tab jcr:title="Global Properties">

    <items>

      <textfield

        jcr:primaryType="nt:unstructured"

        fieldLabel="OG Title"

        name="/og:title"

        xtype="textfield"/>

      <textfield

        jcr:primaryType="nt:unstructured"

        fieldLabel="OG Description"

        name="/og:description"

        xtype="textfield"/>

      <pathfield

        jcr:primaryType="nt:unstructured"

        fieldLabel="OG Image Path"

        name="/og:image"

        xtype="pathfield"/>

    </items>

  </tab>

</tabs>
```

extraClientlibs is a **component policy setting** used to **load extra client libraries** automatically when a component is used.

How to Add? In the component policy (template editor):

- Go to your component policy
- Add extraClientlibs property
- Value: ["your.project.news"]

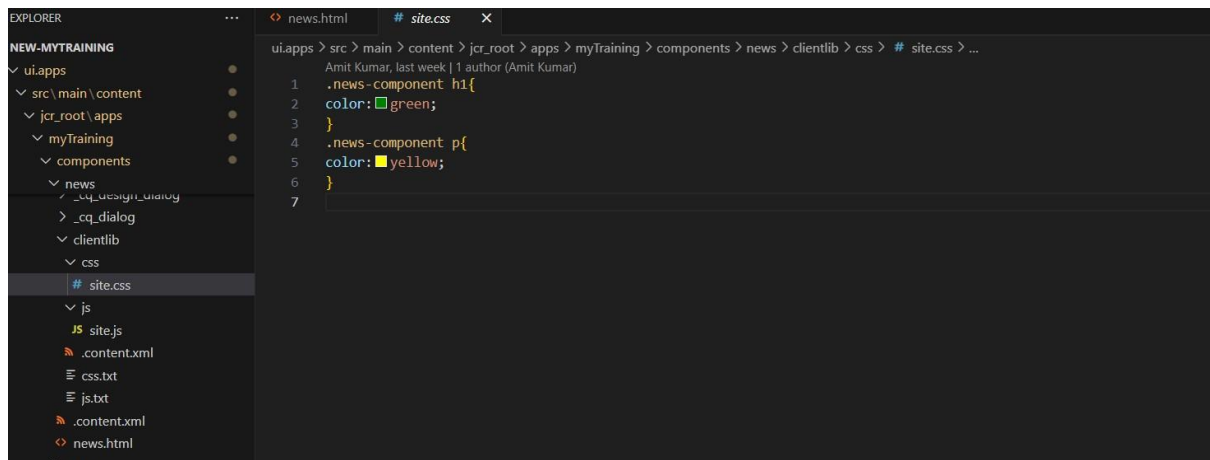
This ensures the clientlib is loaded even without explicitly including via `<cq:includeClientLib>`.

Apply Styling (CSS)

Inspect the rendered page using **Developer Tools (F12) > Elements Tab** and check:

- **Heading (h2) is Green (color: green).**
- **News Detail (<p>) is Yellow (color: yellow).**
- **Date is Black (color: black).**

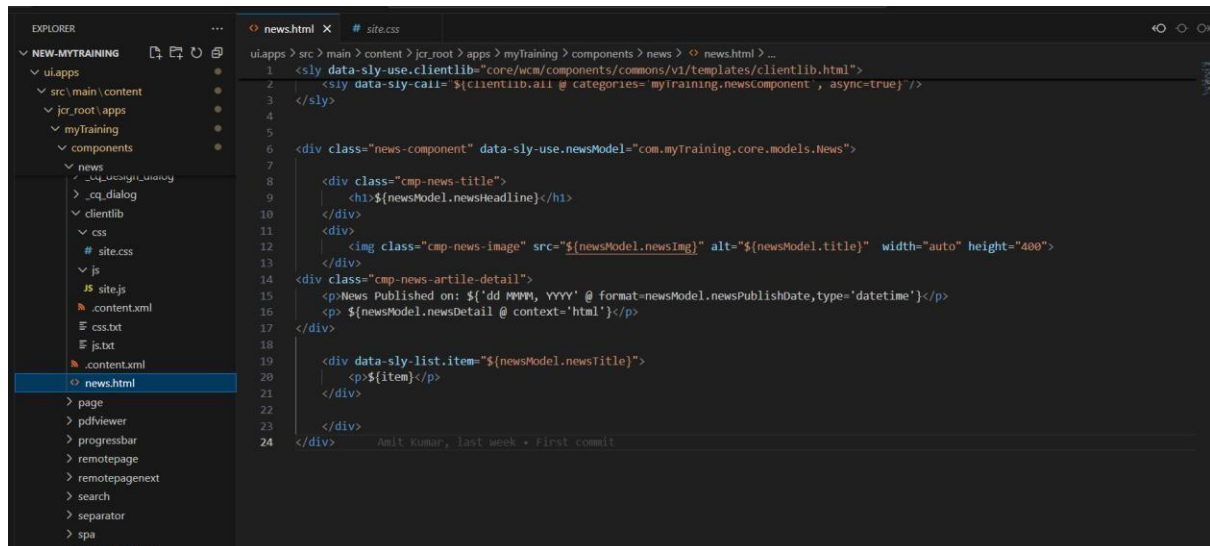
Css.txt



```
EXPLORER
NEW-MYTRAINING
  ui.apps
    src\main\content
      jcr_root\apps
        myTraining
          components
            news
              _cq_dialog_dialog
              _cq_dialog
            clientlib
              css
                # site.css
              js
                site.js
              .content.xml
              css.txt
              js.txt
              .content.xml
            news.html
  ...

# site.css
1  Amit Kumar, last week | 1 author (Amit Kumar)
2  .news-component h1{
3    color: green;
4  }
5  .news-component p{
6    color: yellow;
7  }
```

News.html



```
EXPLORER
NEW-MYTRAINING
  ui.apps
    src\main\content
      jcr_root\apps
        myTraining
          components
            news
              _cq_dialog_dialog
              _cq_dialog
            clientlib
              css
                # site.css
              js
                site.js
              .content.xml
              css.txt
              js.txt
              .content.xml
            news.html
  ...

news.html
1  <sly data-sly-use.clientlib="core/wcm/components/commons/v1/templates/clientlib.html">
2  <sly data-sly-call="${clientlib.all @ categories='myTraining.newscomponent', async=true}" />
3  </sly>
4
5
6  <div class="news-component" data-sly-use.newsModel="com.myTraining.core.models.News">
7
8    <div class="cmp-news-title">
9      <h1>${newsModel.newsHeadline}</h1>
10    </div>
11    <div>
12      
13    </div>
14    <div class="cmp-news-article-detail">
15      <p>News Published on: ${'dd MMM, YYYY' @ format=newsModel.newsPublishDate, type='datetime'}</p>
16      <p>${newsModel.newsDetail @ context='html'}</p>
17    </div>
18
19    <div data-sly-list.item="${newsModel.newsTitle}">
20      <p>${item}</p>
21    </div>
22
23  </div>
24  Amit Kumar, last week • First commit
```

Extra ClientLibs (extraClientLibs)

How to Check:

- Open the multi-field component's **HTL (HTML Template Language)** file.


```
...  news.html X  # site.css

ui.apps > src > main > content > jcr_root > apps > myTraining > components > news > news.html > div.news-component

1  <sly data-sly-use.clientlib="core/wcm/components/commons/v1/templates/clientlib.html">
2  |   <sly data-sly-call="${clientlib.all @ categories='myTraining.newsComponent', async=true}"/>
3  </sly>
4
5
6  <div class="news-component" data-sly-use.newsModel="com.myTraining.core.models.News">
7
8      <div class="cmp-news-title">
```