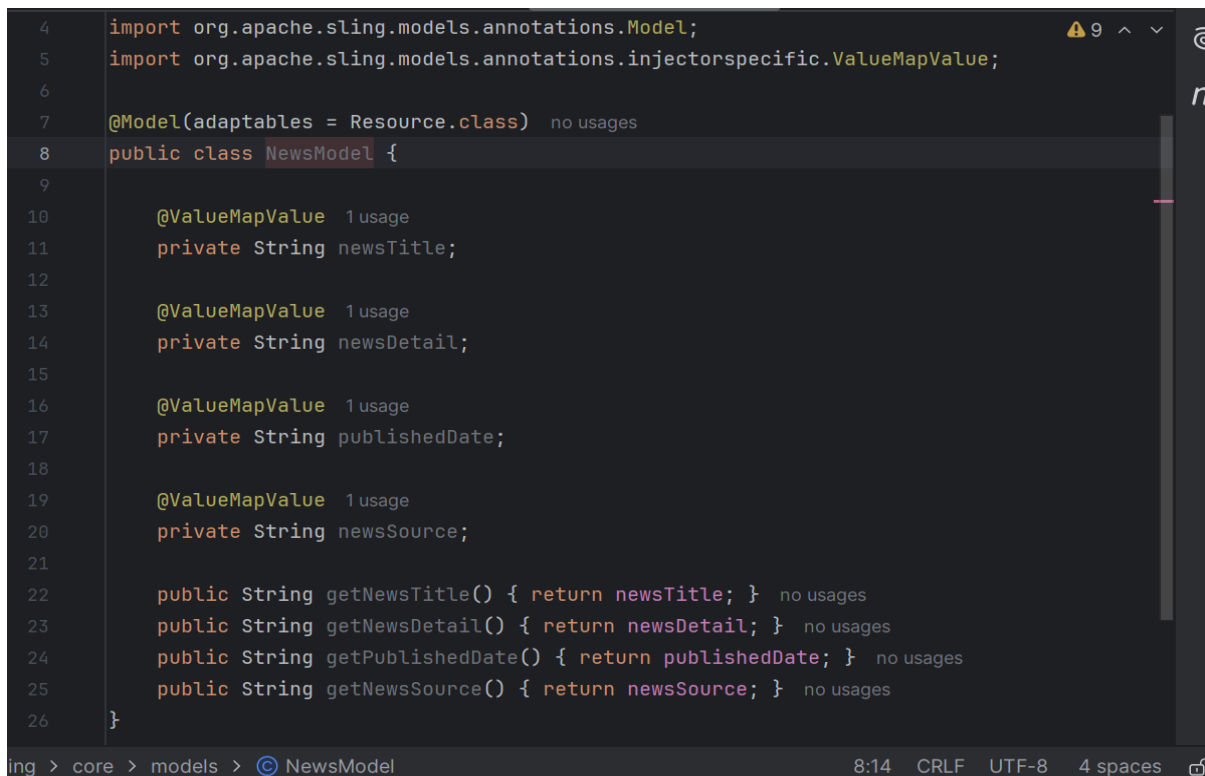
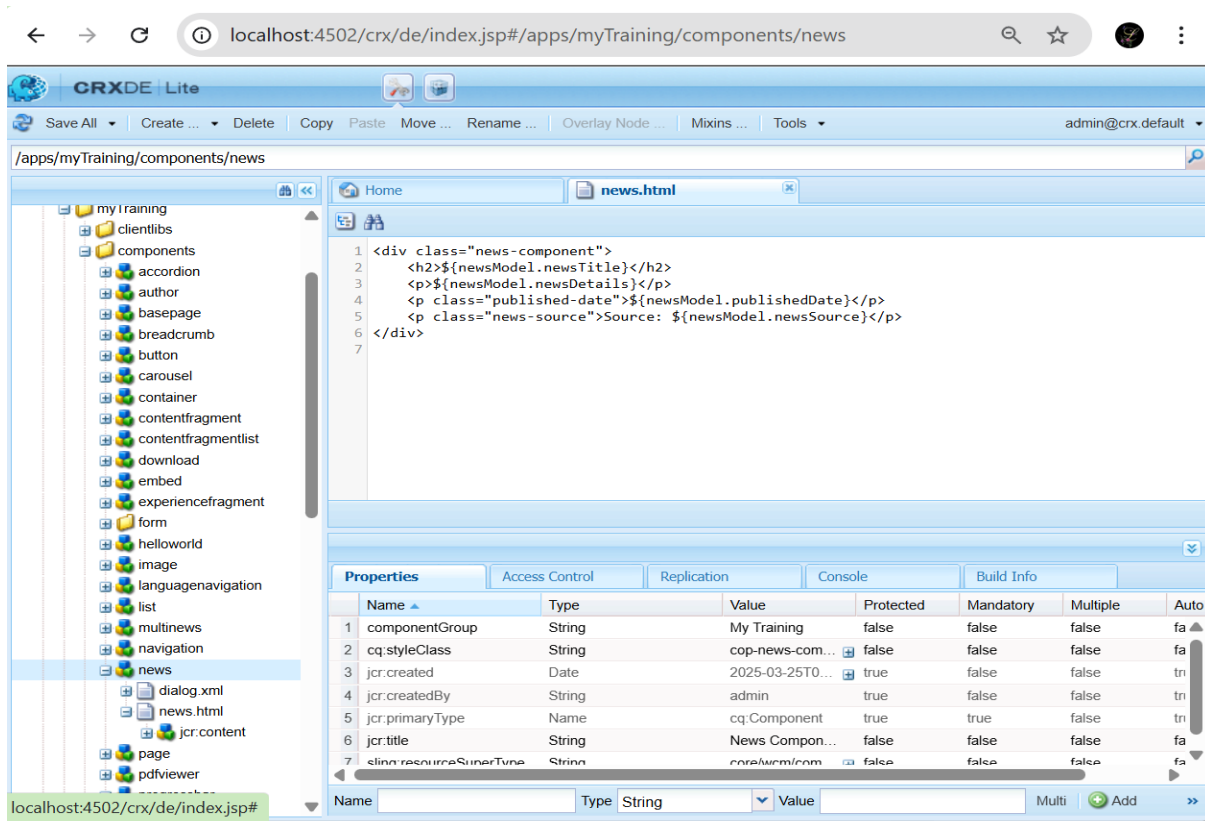


1. Create A new component which have news title(should print as h2), news detail(<p>), published date, source create this component using sling model.



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

localhost:4502/crx/de/index.jsp#/apps/myTraining/components/multinews/cq%3A...

CRXDE Lite

Save All Create ... Delete Copy Paste Move ... Rename ... Overlay Node ... Mixins ... Tools admin@crx.default

/apps/myTraining/components/multinews/cq:dialog/content/items/newsItems

myTraining

- clientlibs
- components
 - accordion
 - author
 - basepage
 - breadcrumb
 - button
 - carousel
 - container
 - contentfragment
 - contentfragmentlist
 - download
 - embed
 - experiencefragment
 - form
 - helloworld
 - image
 - languagenavigation
 - list
 - multinews
 - cq:dialog
 - content
 - items
 - newsItems
 - multinew.html
 - navigation

multinew.html

```
1 <div class="cop-news-component">
2   <h2>News List</h2>
3   <div data-sly-use="multiNews"="com.myTraining.core.models.MultiNewsModel">
4     <sly data-sly-list="newsItem"="${multiNews.newsList}">
5       <div class="news-entry">
6         <h2>${newsItem.newsTitle}</h2>
7         <p>${newsItem.newsDetail}</p>
8         <p style="color: black;">Published Date: ${newsItem.publishedDate}</p>
9         <p>Source: ${newsItem.source}</p>
10      </div>
11    </sly>
12  </div>
13 </div>
14
```

Properties

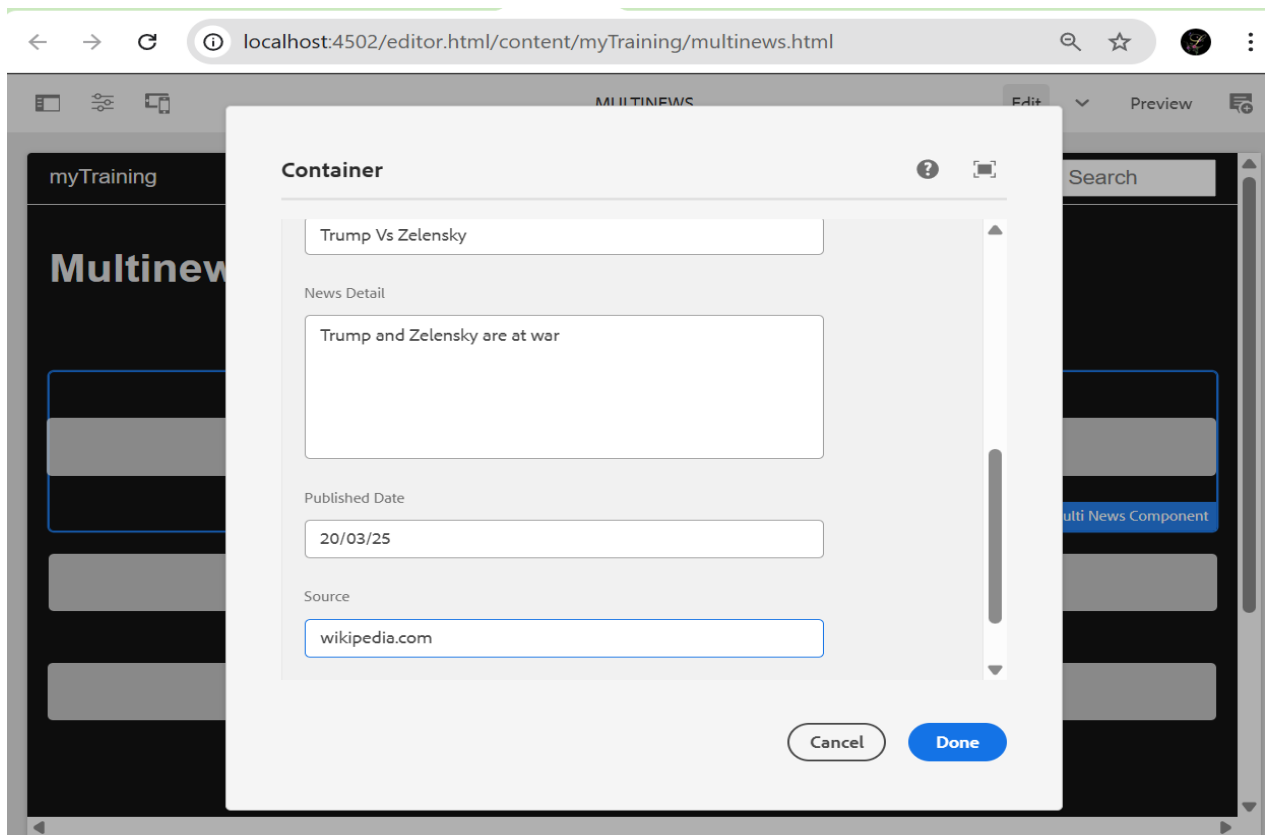
	Name	Type	Value	Protected	Mandatory	Multiple	Auto
1	composite	Boolean	true	false	false	false	false
2	fieldLabel	String	News Items	false	false	false	false
3	jcr:primaryType	Name	nt:unstructured	true	true	false	true
4	name	String	/newsItems	false	false	false	false
5	sling:resourceType	String	granite/ui/com...	false	false	false	false

localhost:4502/crx/de/index.jsp#

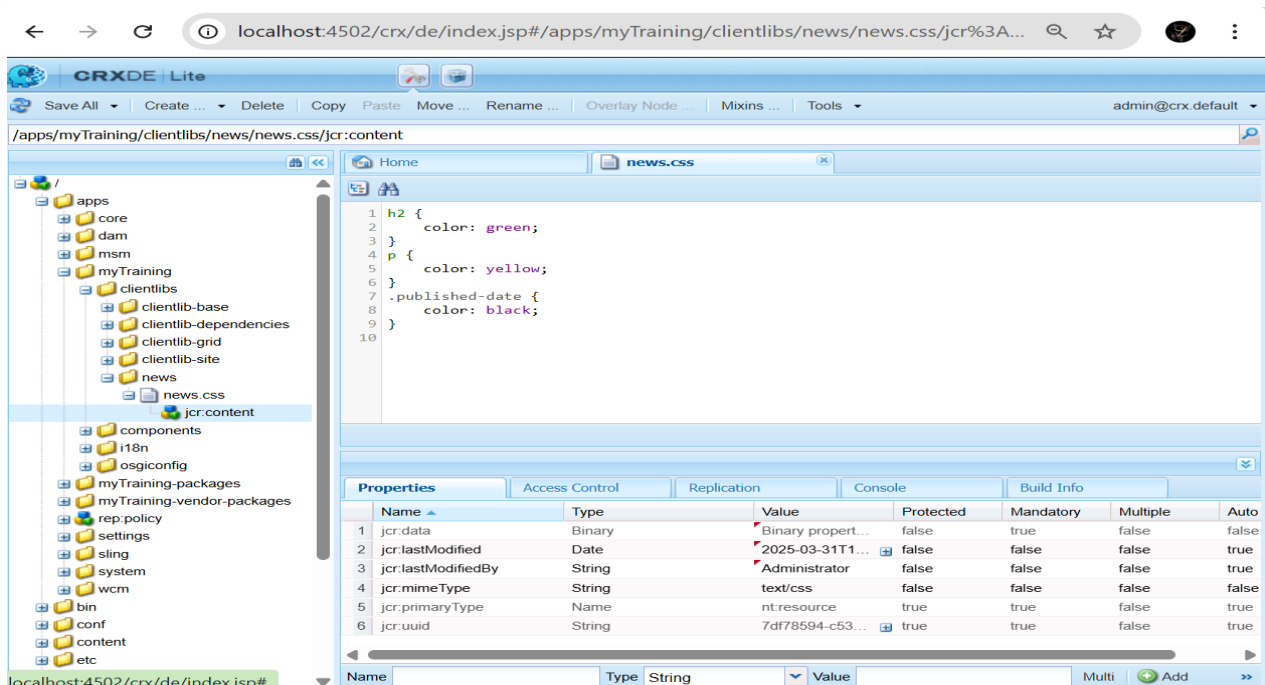
newsroom-template\content.xml main.scss MultiNewsModel.java _cq_dialog\content.xml

```
13 public class MultiNewsModel {
18   public List<NewsItem> getNewsList() { no usages
19     return (newsList != null) ? newsList : new ArrayList<>();
20   }
21
22   public static class NewsItem { 2 usages
23     @ValueMapValue 1 usage
24     private String newsTitle;
25
26     @ValueMapValue 1 usage
27     private String newsDetail;
28
29     @ValueMapValue 1 usage
30     private String publishedDate;
31
32     @ValueMapValue 1 usage
33     private String source;
34
35     public String getNewsTitle() { no usages
36       return newsTitle;
37     }
38
39     public String getNewsDetail() { no usages
40       return newsDetail;
41     }
42
```

ing > core > models > MultiNewsModel 13:14 CRLF UTF-8 4 spaces



3. Create clientlibs for news component and 4. Apply Green colour to the heading(h2) and yellow colour to news detail(<p) and date should be black in colour.



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

```
ewsroom-template\content.xml  main.scss  MultiNewsModel.java  dialog.xml x  4  ^  v  @  m
2      <jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0" xmlns:cq="http://
5          <content jcr:primaryType="nt:unstructured">
6              <items jcr:primaryType="nt:unstructured">
26                  name="./newsSource"/>
27                  <readMoreLink
28                      jcr:primaryType="nt:unstructured"
29                      sling:resourceType="granite/ui/components/coral/foundation/form/text:
30                      fieldLabel="Read More Link"
31                      name="./readMoreLink"/>
32                  <extraClientLibs
33                      jcr:primaryType="nt:unstructured"
34                      sling:resourceType="granite/ui/components/coral/foundation/form/hidd
35                      name="./cq:extraClientLibs"
36                      value="cop-news-component"/>
37              </items>
38          </content>
39      </jcr:root>
40
```

> apps > myTraining > components > news > _cq_dialog > dialog.xml 40:1 CRLF UTF-8 4 spaces

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

```
MultiNewsModel.java  dialog.xml  basepage.html x  newsroompage\_cq_dialog\content.xml  7  ^  v  @  m
1      <sly data-sly-use.page="com.adobe.cq.wcm.core.components.models.Page"/>
2      <html>
3      <head>
4          <title>${pageProperties.jcr:title}</title>
5
6          <!-- Open Graph Metadata -->
7          <meta property="og:title" content="${pageProperties.ogTitle @ context='html'}"/>
8          <meta property="og:description" content="${pageProperties.ogDescription @ context='h
9          <meta property="og:image" content="${pageProperties.ogImage @ context='html'}/>
10
11          <sly data-sly-call="${page.head @ page=page}"/>
12      </head>
13      <body>
14          <sly data-sly-call="${page.body @ page=page}"/>
15      </body>
16      </html>
17
```

> apps > myTraining > components > page > basepage.html 17:1 CRLF UTF-8 4 spaces

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

```
\page\content.xml  </> page\_cq_dialog\content.xml  </> newsroompage.html  </> template-types  v  :  @  m
2      <jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0"
5          jcr:primaryType="nt:unstructured"
6          cq:dialogMode="floating"
7          cq:actions="[cancel,save]"
8          <content jcr:primaryType="nt:unstructured">
9              <globalProperties jcr:primaryType="nt:unstructured">
10                  <ogTitle jcr:primaryType="nt:unstructured"
11                      sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
12                      fieldLabel="OG Title"
13                      name="./ogTitle"/>
14
15                  <ogDescription jcr:primaryType="nt:unstructured"
16                      sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
17                      fieldLabel="OG Description"
18                      name="./ogDescription"/>
19
20                  <ogImage jcr:primaryType="nt:unstructured"
21                      sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
22                      fieldLabel="OG Image"
23                      name="./ogImage"/>
24              </globalProperties>
25          </content>
26      </jcr:root>
27
24:28  CRLF  UTF-8  4 spaces  @
```

8. What is extracientlib add it this multi field component

extraClientLibs is used to load additional client libraries for specific components.

```
1      <?xml version="1.0" encoding="UTF-8"?>
2      <jcr:root
3          xmlns:sling="http://sling.apache.org/jcr/sling/1.0"
4          xmlns:cq="http://www.day.com/jcr/cq/1.0"
5          xmlns:jcr="http://www.jcp.org/jcr/1.0"
6          jcr:primaryType="nt:unstructured"
7          cq:dialogMode="floating"
8          cq:actions="[cancel,save]"
9          cq:extraClientLibs="[myTraining.customJS]"
10
11      <content jcr:primaryType="nt:unstructured">
12          <items jcr:primaryType="nt:unstructured">
13              <newsItems jcr:primaryType="nt:unstructured"
14                  sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
15                  fieldLabel="News Items"
16                  composite="{Boolean}true"
17                  name="./newsItems">
18
19                  <field jcr:primaryType="nt:unstructured"
20                      sling:resourceType="granite/ui/components/coral/foundation/container">
21
22                      <items jcr:primaryType="nt:unstructured">
23                          <newsTitle jcr:primaryType="nt:unstructured"
24                              sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
25                              fieldLabel="News Title"
26                              name="./newsTitle"/>
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