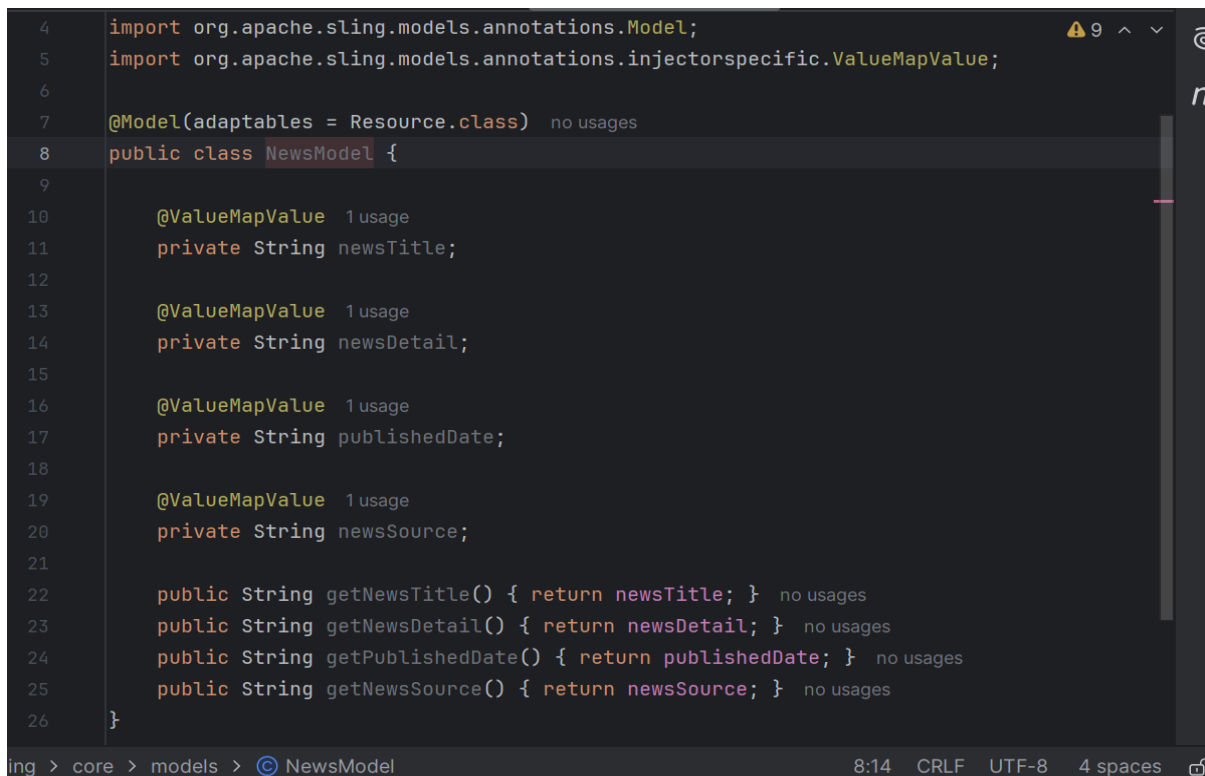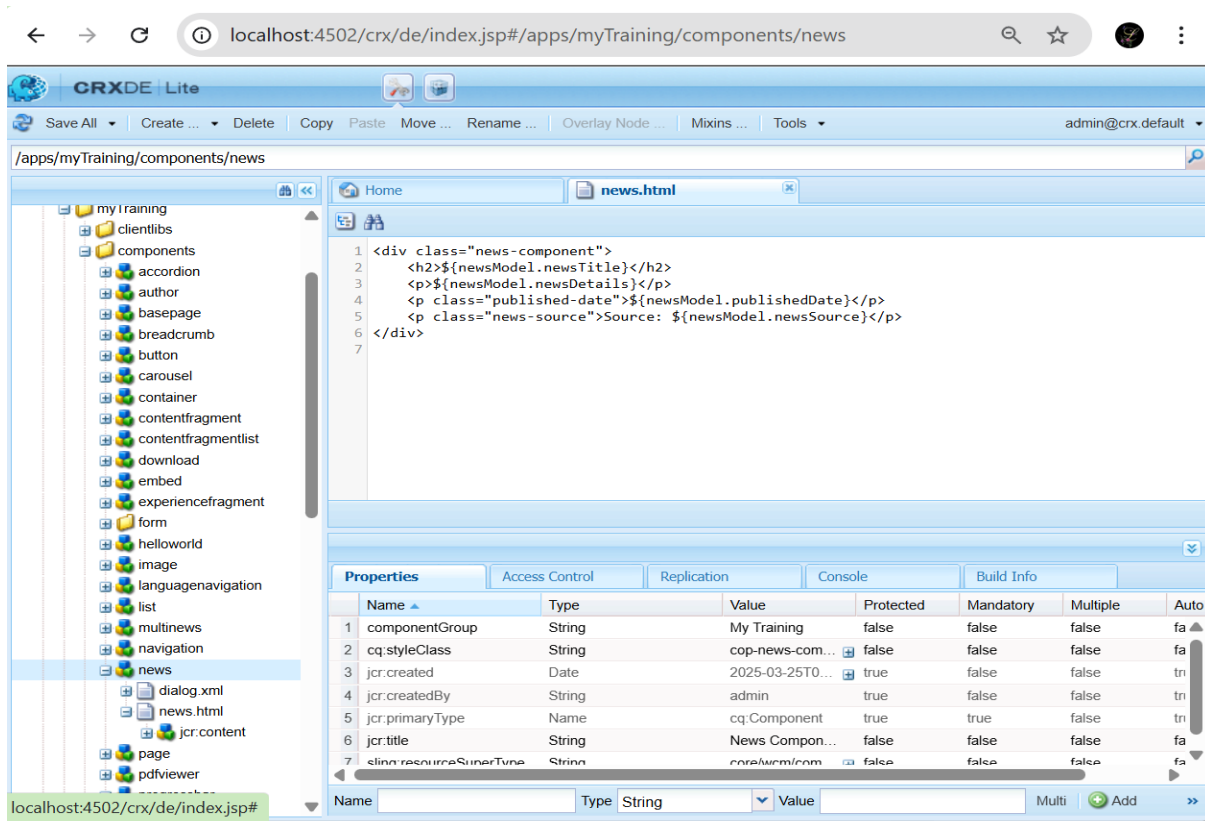1. Create A new component which have news title(should print as h2), news detail(<p>), published date, source create this component using sling model.


```html
<div class="news-component">
    <h2>${newsModel.newsTitle}</h2>
    <p>${newsModel.newsDetails}</p>
    <p class="published-date">${newsModel.publishedDate}</p>
    <p class="news-source">Source: ${newsModel.newsSource}</p>
</div>
```

```java
import org.apache.sling.models.annotations.Model;
import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;


@Model(adaptables = Resource.class)  no usages
public class NewsModel {

    @ValueMapValue  1 usage
    private String newsTitle;

    @ValueMapValue  1 usage
    private String newsDetail;

    @ValueMapValue  1 usage
    private String publishedDate;

    @ValueMapValue  1 usage
    private String newsSource;

    public String getNewsTitle() { return newsTitle; }  no usages
    public String getNewsDetail() { return newsDetail; }  no usages
    public String getPublishedDate() { return publishedDate; }  no usages
    public String getNewsSource() { return newsSource; }  no usages
}
```

2. Create multi field component(multiple news) using sling model fields: title of new and source of news
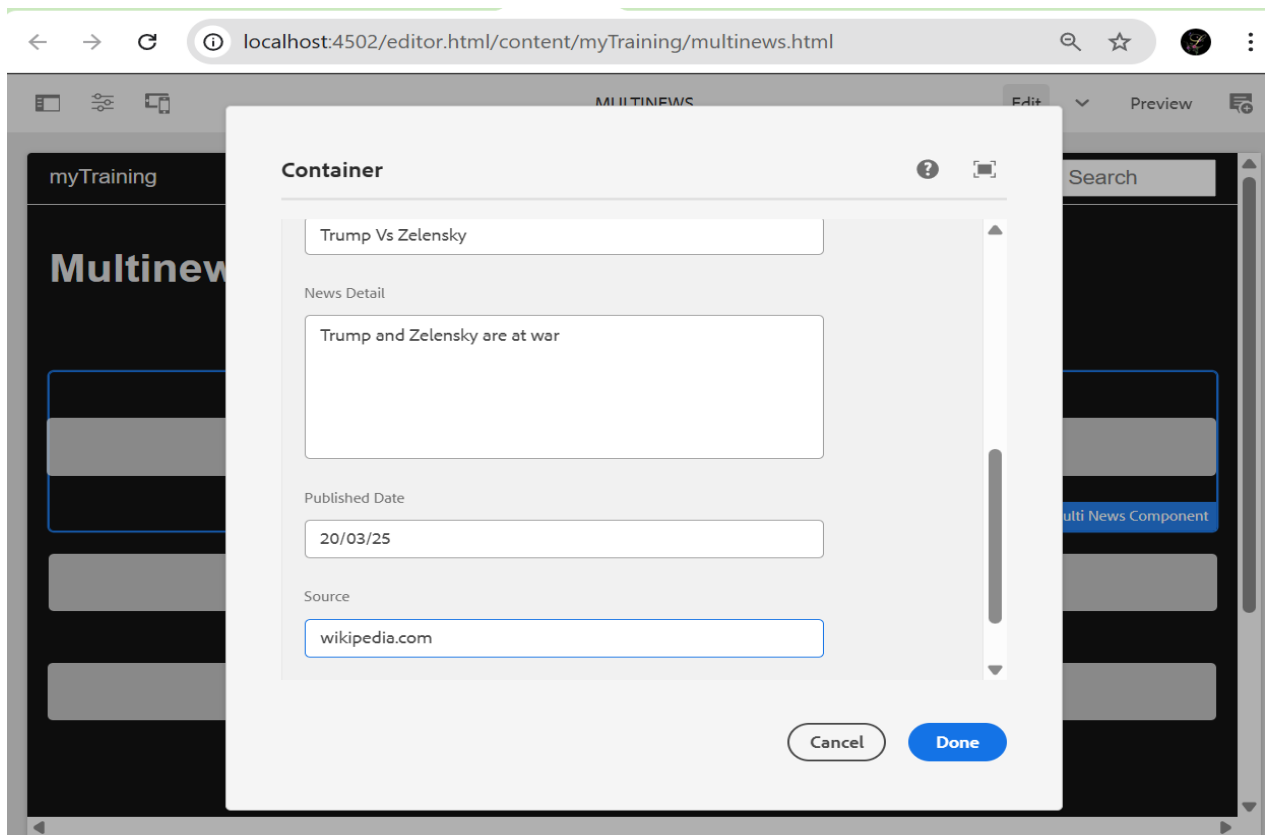
3. Create clientlibs for news component and 4. Apply Green colour to the heading(h2) and yellow colour to news detail(<p) and date should be black in colour.
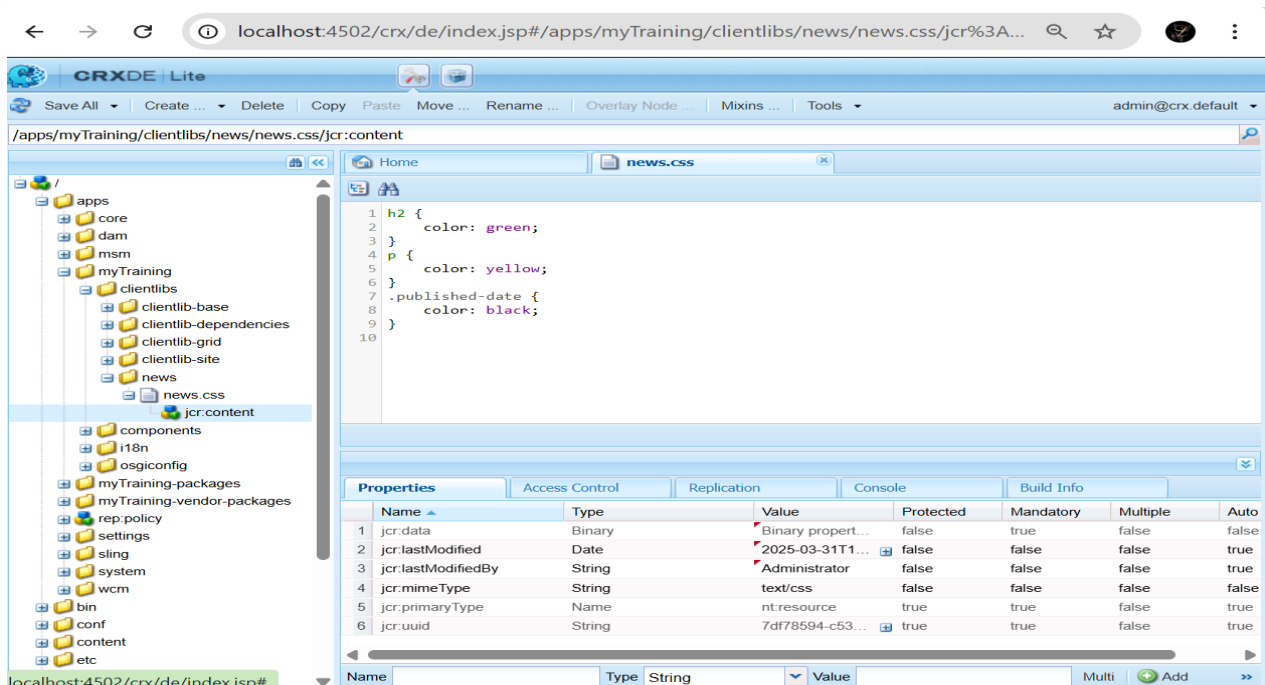
5. Add Component style to add custom style name (cop-news-component)in news component.

```xml
<jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0" xmlns:cq="http:/...
    <content jcr:primaryType="nt:unstructured">
        <items jcr:primaryType="nt:unstructured">
                    name="./newsSource"/>
            <readMoreLink
                    jcr:primaryType="nt:unstructured"
                    sling:resourceType="granite/ui/components/coral/foundation/form/text:
                    fieldLabel="Read More Link"
                    name="./readMoreLink"/>
            <extraClientLibs
                    jcr:primaryType="nt:unstructured"
                    sling:resourceType="granite/ui/components/coral/foundation/form/hidd
                    name="./cq:extraClientLibs"
                    value="cop-news-component"/>
        </items>
    </content>
</jcr:root>
```

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

```html
<sly data-sly-use.page="com.adobe.cq.wcm.core.components.models.Page"/>
<html>
<head>
    <title>${pageProperties.jcr:title}</title>

    <!-- Open Graph Metadata -->
    <meta property="og:title" content="${pageProperties.ogTitle @ context='html'}"/>
    <meta property="og:description" content="${pageProperties.ogDescription @ context='h
    <meta property="og:image" content="${pageProperties.ogImage @ context='html'}"/>

    <sly data-sly-call="${page.head @ page=page}"/>
</head>
<body>
<sly data-sly-call="${page.body @ page=page}"/>
</body>
</html>
```

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

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/tex
12                              fieldLabel="OG Title"
13                              name="./ogTitle"/>
14
15                  <ogDescription jcr:primaryType="nt:unstructured"
16                              sling:resourceType="granite/ui/components/coral/foundation/fo
17                              fieldLabel="OG Description"
18                              name="./ogDescription"/>
19
20                  <ogImage jcr:primaryType="nt:unstructured"
21                              sling:resourceType="granite/ui/components/coral/foundation/form/tex
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 extraclientlib 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/textfiel
25                                      fieldLabel="News Title"
26                                      name="./newsTitle"/>

pps  >  myTraining  >  components  >  multinews  >  _cq_dialog  >  </> .content.xml        12:50   CRLF   UTF-8   4 spaces
```