

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

```
<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"
  jcr:title="News Component"
  sling:resourceType="cq/gui/components/authoring/dialog"
  cq:dialogMode="floating">
  <content
    jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/coral/foundation/container">
    <items jcr:primaryType="nt:unstructured">
      <title jcr:primaryType="nt:unstructured"
        sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        fieldLabel="News Title"
        name="./newsTitle"/>
      <details jcr:primaryType="nt:unstructured"
        sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
        fieldLabel="News Detail"
        name="./newsDetail"/>
      <date jcr:primaryType="nt:unstructured"
        sling:resourceType="granite/ui/components/coral/foundation/form/datePicker"
        fieldLabel="Published Date"
```

```
        name="./publishedDate"/>
    <source jcr:primaryType="nt:unstructured"
sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        fieldLabel="Source"
        name="./newsSource"/>
    </items>
</content>
</jcr:root>
```

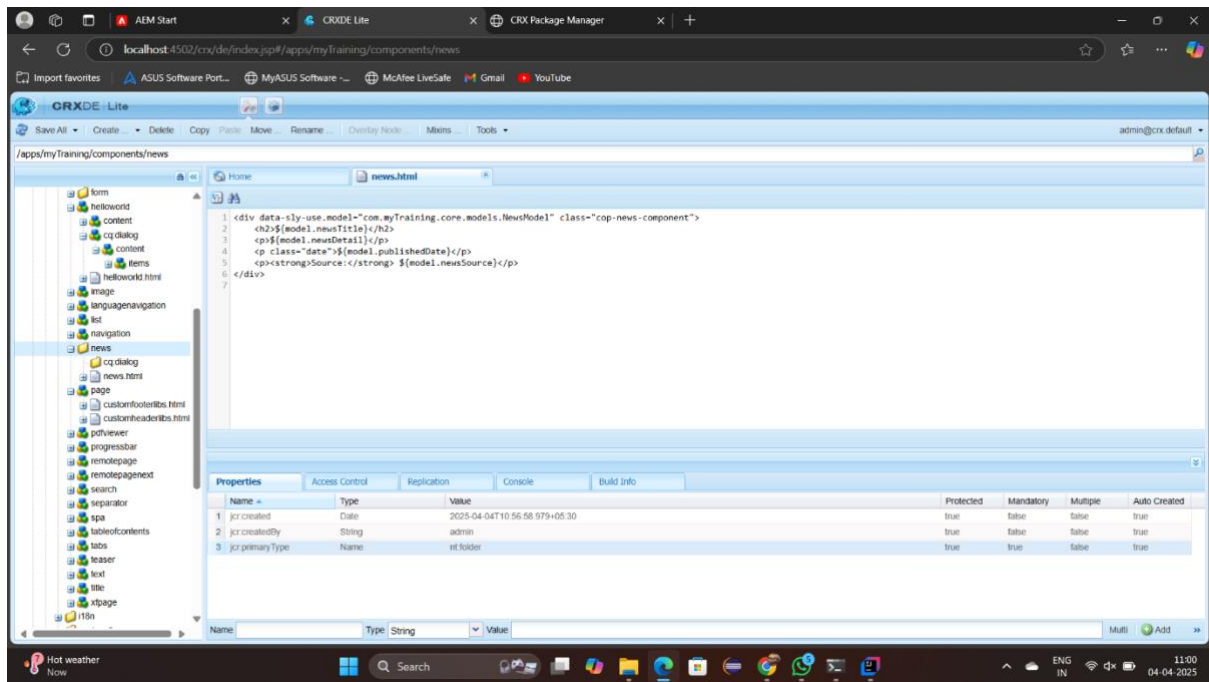
NewsModel.java

```
@Model(adaptables = Resource.class)

public class NewsModel {

    @ValueMapValue private String newsTitle;
    @ValueMapValue private String newsDetail;
    @ValueMapValue private String publishedDate;
    @ValueMapValue private String newsSource;

    public String getNewsTitle() { return newsTitle; }
    public String getNewsDetail() { return newsDetail; }
    public String getPublishedDate() { return publishedDate; }
    public String getNewsSource() { return newsSource; }
}
```



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

package com.myTraining.core.models;

import com.adobe.cq.export.json.ComponentExporter;

import com.adobe.cq.export.json.ExporterConstants;

import org.apache.sling.api.resource.Resource;

import org.apache.sling.models.annotations.*;

import org.apache.sling.models.annotations.injectorspecific.ChildResource;

import java.util.List;

import org.apache.sling.models.annotations.DefaultInjectionStrategy;

import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;

@Model(adaptables = Resource.class,

defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)

public class MultiNewsModel {

@ChildResource(name = "newsItems")

private List<NewsItem> newsItems;

```

public List<NewsItem> getNewsItems() {
    return newsItems;
}

@Model(adaptables = Resource.class)
public static class NewsItem {
    @ValueMapValue
    private String title;

    @ValueMapValue
    private String source;

    public String getTitle() {
        return title;
    }

    public String getSource() {
        return source;
    }
}
}

```

`_cq_dialog/.content.xml`

```

<?xml version="1.0" encoding="UTF-8"?>
<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"
    jcr:title="Multi News Dialog"
    sling:resourceType="cq/gui/components/authoring/dialog"
    cq:dialogMode="floating">

```

<content jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/container">

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

<fields jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/multifield"

fieldLabel="News Items"

composite="{Boolean}true"

name="./newsItems">

<field jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/fieldset">

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

<title jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textfield"

name="title"

fieldLabel="News Title"/>

<source jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textfield"

name="source"

fieldLabel="News Source"/>

</items>

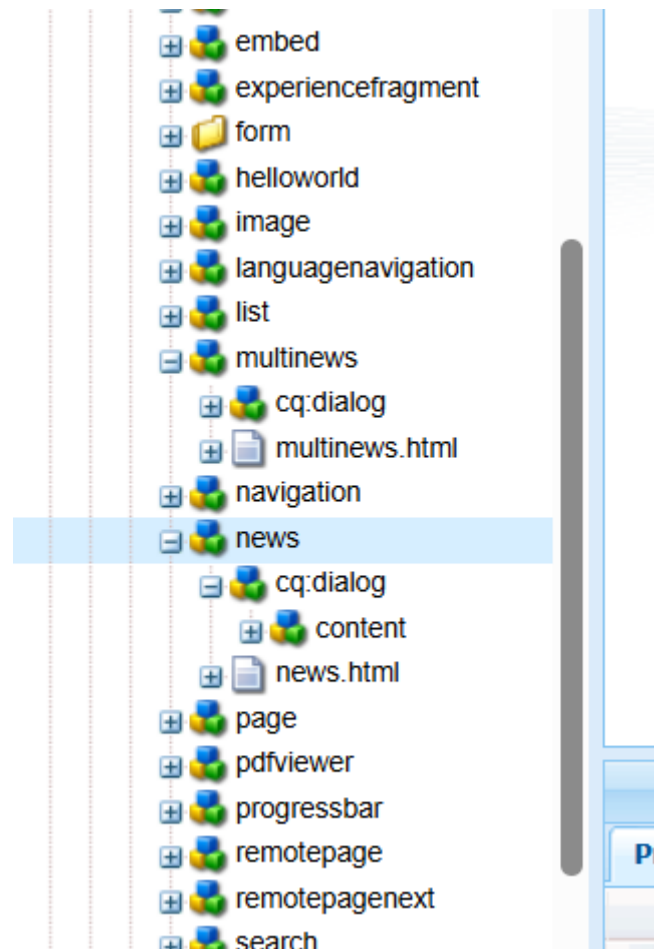
</field>

</fields>

</items>

</content>

</jcr:root>

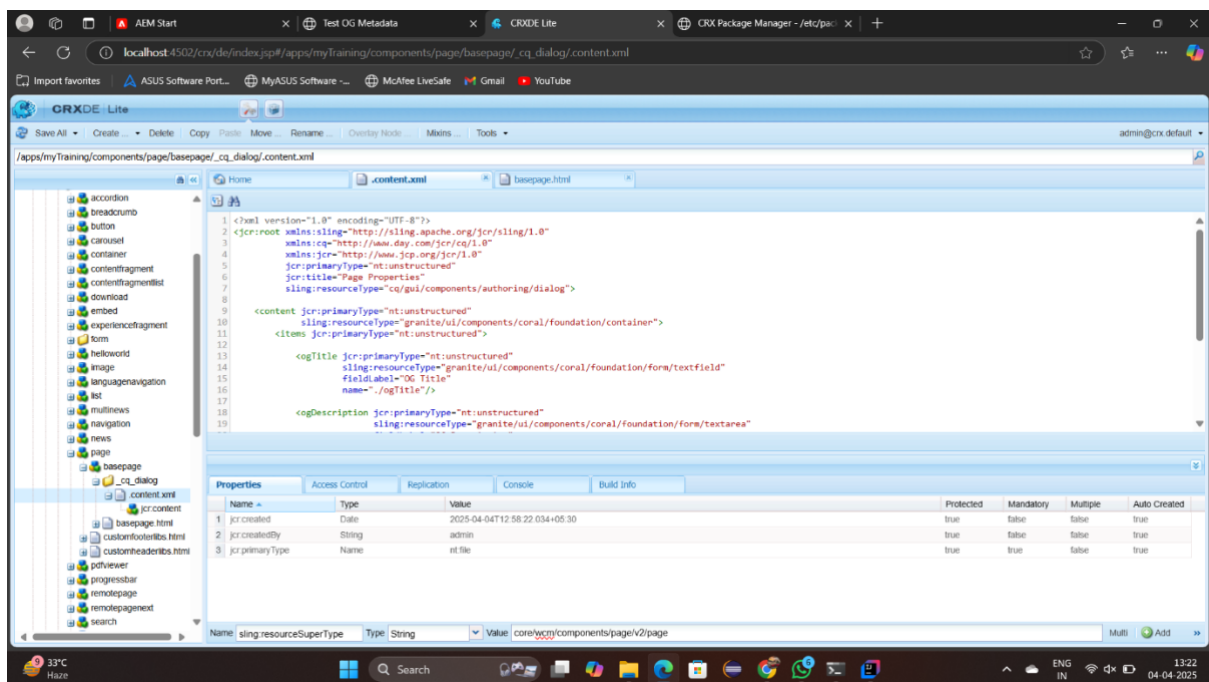


Create clientlibs for news component and Apply Green colour to the heading(h2) and yellow colour to news detail(<p) and date should be black in colour.

```
.cop-news-component h2 {  
    color: green;  
}  
  
.cop-news-component span {  
    color: yellow;  
}
```



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



For adding meta data,

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

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

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

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

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

sling:resourceType="granite/ui/components/coral/foundation/form/panel"
    jcr:title="Global Properties">
    <items jcr:primaryType="nt:unstructured">
        <!-- Add og:title, og:description, og:imagePath -->
    </items>
</globalTab>
```

What is extraclientlib add it this multi field component?

It's a way to **inject additional clientlibs** in AEM components.

```
<data-sly-use.clientLib="/libs/granite/sightly/templates/clientlib.html"
data-sly-call="{clientLib.all @ categories='myTraining.news'}"/>
```