

# DAY-3 TASK-AEM

-20/3/25

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.

The screenshot displays the development environment for AEM, showing the creation of a new component 'News.java' and its corresponding HTML template 'news.html'.

**News.java Code:**

```
1 package com.mytraining.core.models;
2
3
4 import org.apache.sling.api.resource.Resource;
5 import org.apache.sling.models.annotations.Model;
6 import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;
7 import org.slf4j.Logger;
8 import org.slf4j.LoggerFactory;
9
10 import javax.annotation.PostConstruct;
11 import java.util.ArrayList;
12 import java.util.Collections;
13 import java.util.Date;
14 import java.util.List;
15
16 @Model(adaptables = Resource.class)
17 public class News {
18
19     private static final Logger LOG = LoggerFactory.getLogger(News.class);
20
21     @ValueMapValue
22     private String newsHeadline;
23
24     @ValueMapValue
25     private String newsDetail;
26
27     @ValueMapValue
28     private Date newsPublishDate;
29
30     @ValueMapValue
31     private String newsImg;
32
33     @ValueMapValue
34     private List<String> newsTitle;
35
36
37     @PostConstruct
38     protected void init() {
39         LOG.info("-----inside News model init method-----");
40     }
41
42 }
```

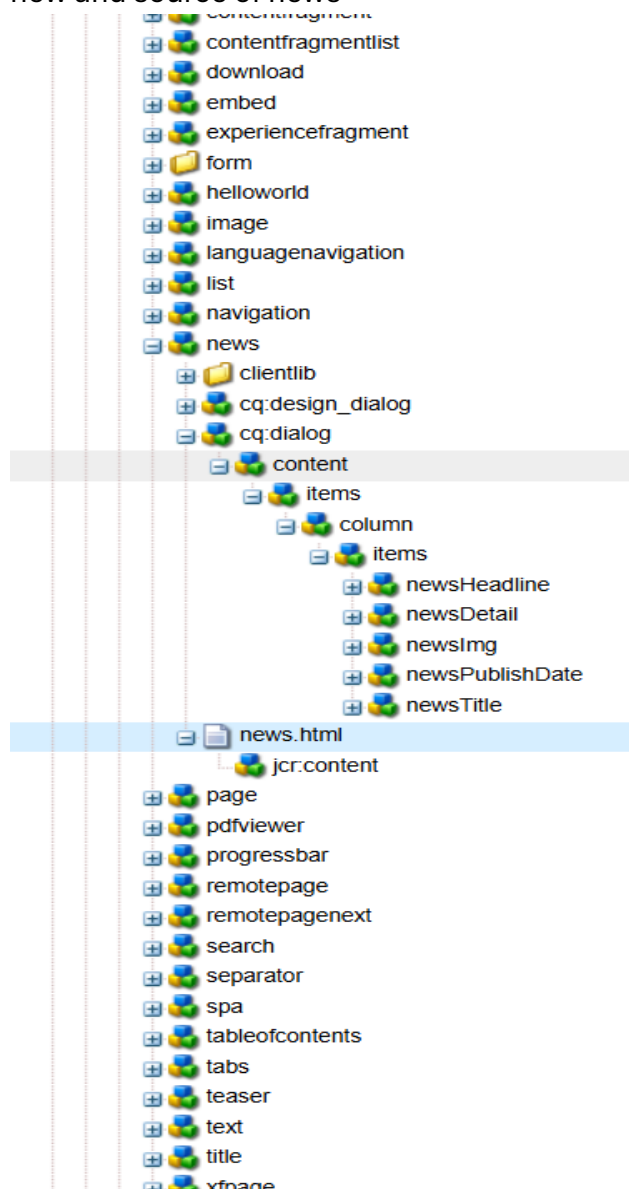
**news.html Template:**

```
1 <sly data-sly-use.clientlib="core/wcm/components/commons/v1/templates/clientlib.html">
2   <sly data-sly-call="$clientlib.all @ categories='mytraining.newsComponent', async=true">
3     </sly>
4   <div class="news-component" data-sly-use.newsModel="com.mytraining.core.models.News">
5     <!-- News Title -->
6     <div class="cmp-news-title">
7       <h2>${newsModel.newsHeadline}</h2>
8     </div>
9     <!-- News Image -->
10    <div>
11      
12    </div>
13    <!-- News Details -->
14    <div class="cmp-news-article-detail">
15      <p>News Published on: ${newsModel.newsPublishDate @ format="dd MMM, yyyy"}</p>
16      <p>${newsModel.newsDetail @ context="html"}</p>
17    </div>
18    <!-- List of Multiple News Titles -->
19    <div data-sly-list.item="${newsModel.newsTitle}">
20      <p>${item}</p>
21    </div>
22  </div>
23 </sly>
```

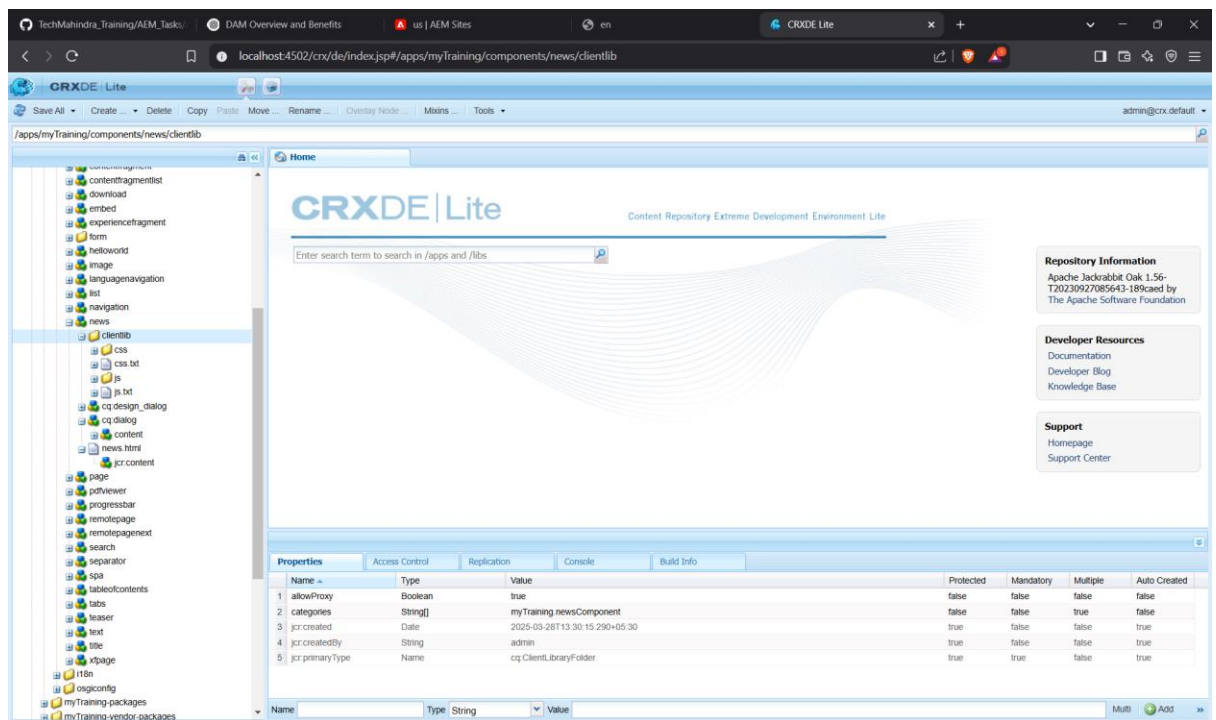
**Properties Table:**

Name	Type	Value	Protected	Mandatory	Multiple	Auto Created
1 jcr:created	Date	2025-03-28T13:30:15.346+05:30	true	false	false	true
2 jcr:createdBy	String	admin	true	false	false	true
3 jcr:primaryType	Name	nt:file	true	true	false	true

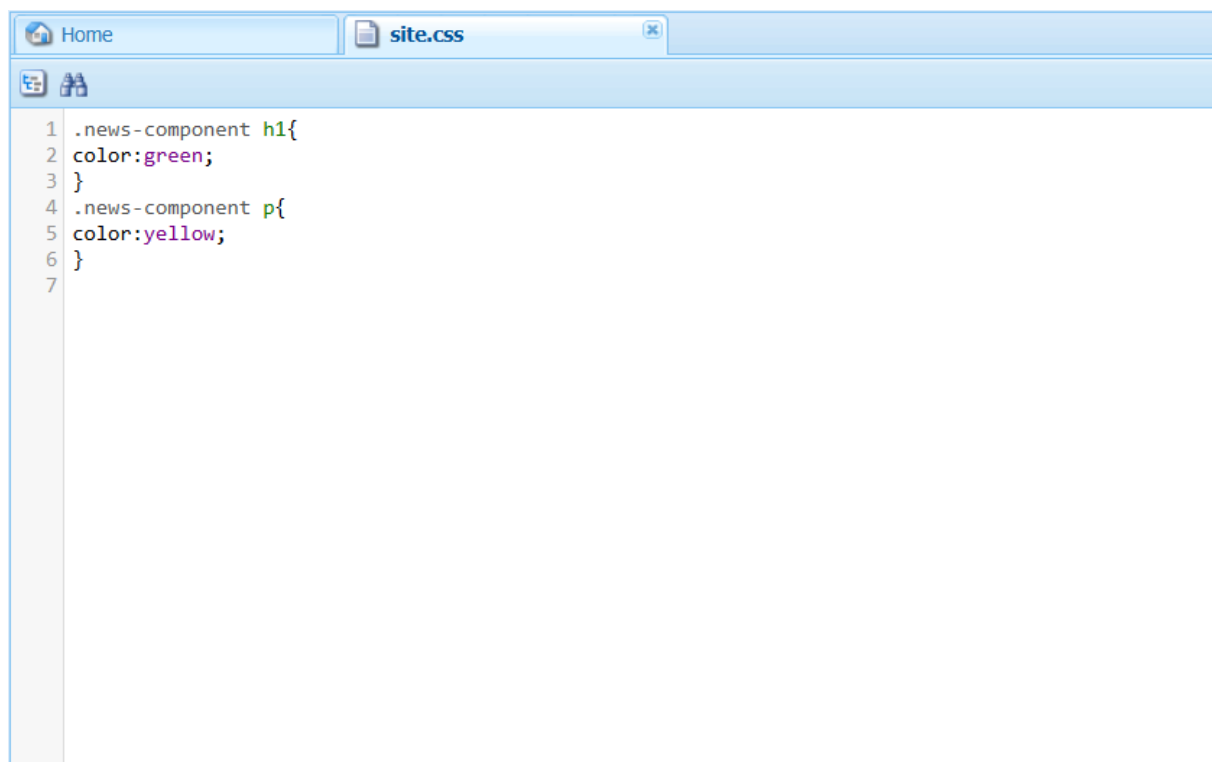
2. Create multi field component(multiple news) using sling model fields: title of new and source of news

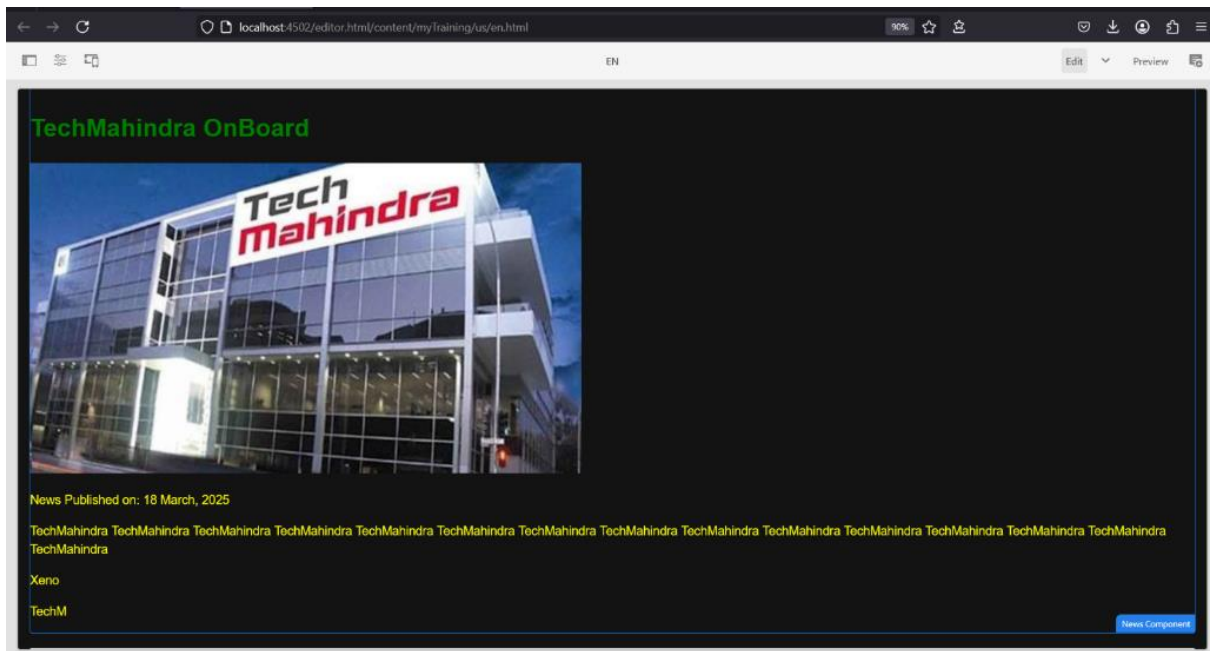


3. Create clientlibs for news component and Apply Green colour to the heading(h2) and yellow colour to news detail(<p) and date should be black in colour.



4.

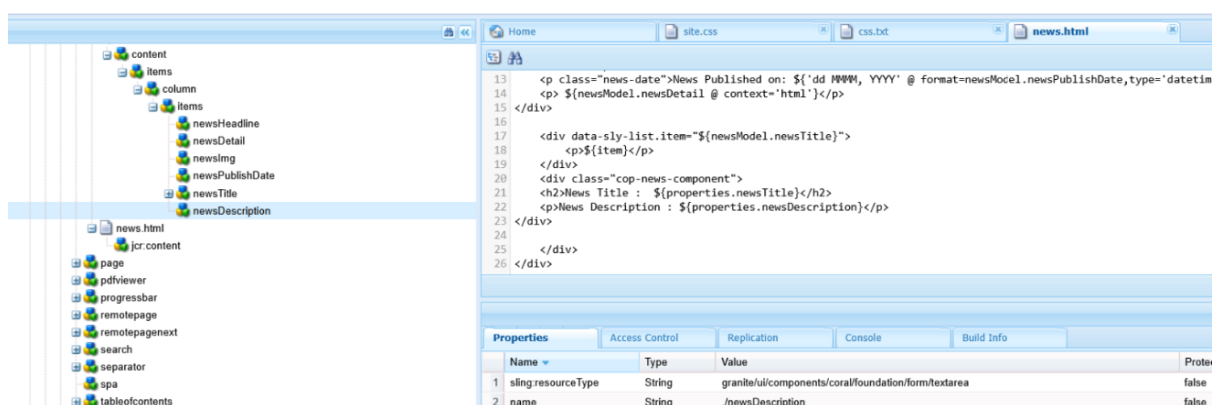




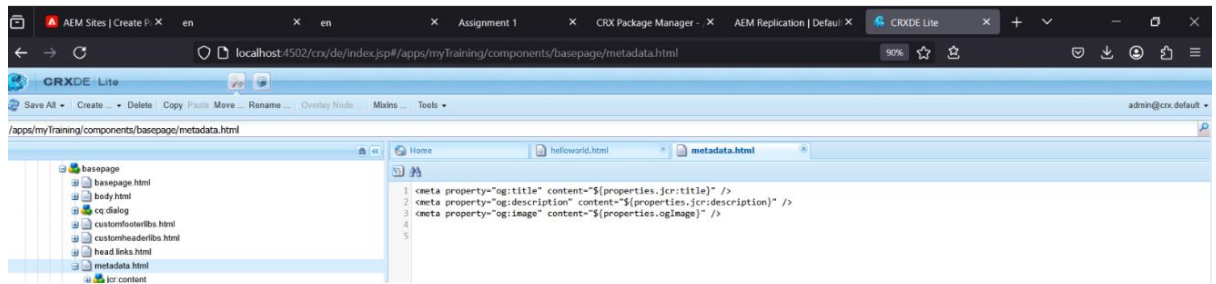
5. Add Component style to add custom style name (cop-news-component) in news component

Code snippet:

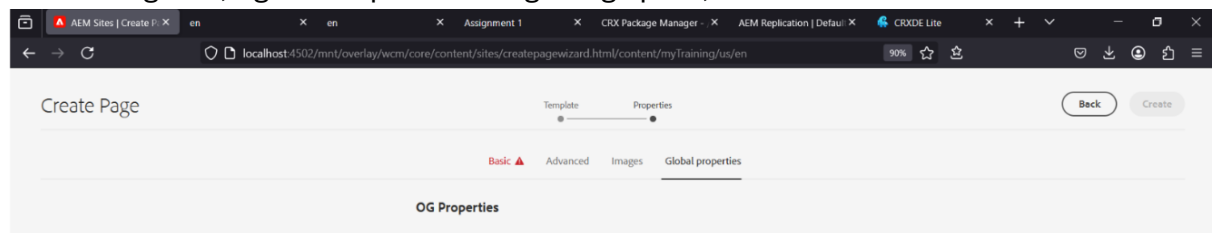
```
<div class="cop-news-component">
  <h2>${properties.newsTitle}</h2>
  <p>${properties.newsDescription}</p>
</div>
```



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;



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



8. What is extraclientlib add it this multi field component

- extraClientLibs is used to add additional **client libraries (CSS/JS)** to a component dynamically.
- In cq:dialog for multi-news, add

→<extraClientLibs

jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/includeclientlib"

categories="newsComponent"/>

Screen shot:

