

AEM – Final Task

Newsroom Portfolio Website

Header Implementation

- Use the OOTB Header Component to create a navigation bar with:
 - Home
 - News (Dropdown with 5 pages)
 - About Me
 - Contact Me
- Ensure the News menu has a dropdown.
- Implement navigation and styling using:
 - `_cq_dialog/.content.xml` → For navigation items
 - `header.html` → Structure of the header
 - `header.css` → Styling
 - `header.js` → Dropdown functionality

Code

Header.html

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

<header class="header-container">
  <nav>
    <ul class="nav-links">
      <li><a href="/content/myTraining/us/en/home.html">Home</a></li>
      <li class="dropdown">
        <a href="/content/myTraining/us/en/news">News</a>
        <ul class="dropdown-menu">
          <li><a href="/content/myTraining/us/en/news/live-news.html">Live-
News</a></li>
```

```

        <li><a href="/content/myTraining/us/en/news/sports-news.html">Sports-
News</a></li>
        <li><a href="/content/myTraining/us/en/news/tech-news.html">Tech-
News</a></li>
        <li><a href="/content/myTraining/us/en/news/breaking-news.html">Breaking-
News</a></li>
        <li><a href="/content/myTraining/us/en/news/economic-news.html">Economic-
News</a></li>
    </ul>
</li>
    <li><a href="/content/myTraining/us/en/about-me.html">About Me</a></li>
    <li><a href="/content/myTraining/us/en/contact-us.html">Contact Me</a></li>
</ul>
</nav>
</header>

<sly data-sly-call="{clientLib.js @ categories='myTraining.header'}"/>
<sly data-sly-use.newsModel="com.myTraining.core.models.HeaderModel"/>

```

Header.js

```

document.addEventListener("DOMContentLoaded", function () {
    const dropdownMenus = document.querySelectorAll(".nav-links li");

    dropdownMenus.forEach(menu => {
        const dropdown = menu.querySelector(".dropdown");

        if (dropdown) {
            menu.addEventListener("mouseenter", () => {
                dropdown.style.display = "block";
            });

            menu.addEventListener("mouseleave", () => {
                dropdown.style.display = "none";
            });
        }
    });
});

```

Hesder.css

```

.header-container {
    display: flex;

```

```
    justify-content: space-between;
    align-items: center;
    padding: 15px 30px;
    background-color: #002b5c;
}
```

```
.nav-links {
    list-style: none;
    display: flex;
    gap: 20px;
}
```

```
.nav-links li {
    position: relative;
}
```

```
.nav-links a {
    text-decoration: none;
    color: white;
    font-size: 16px;
    padding: 10px;
}
```

```
.nav-links li:hover .dropdown-menu {
    display: block;
}
```

```
.dropdown-menu {
    display: none;
    position: absolute;
    top: 100%;
    left: 0;
    background-color: white;
    box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);
    list-style: none;
    padding: 10px;
    min-width: 150px;
}
```

```
.dropdown-menu li {
    padding: 5px 10px;
}
```

```
.dropdown-menu li a {
```

```
color: black;
}
```

Screenshots

Header



Header With Dropdown



Footer Implementation

The footer should include the following sections:

1. About Me
2. Contact Me
3. Latest 5 News (with hyperlinks opening in a new tab)
4. Social Media Links

To achieve this, we will:

- Use an Experience Fragment (/content/experience-fragments/myTraining/footer) to create a reusable footer.
- Author the footer once and use it across multiple pages and templates.

2. Creating the Footer Experience Fragment

1. Navigate to AEM > Experience Fragments.
2. Click on Create > Experience Fragment.

3. Provide a title (e.g., Footer) and select a Master Variation.
 4. Choose the Web Variation Template.
 5. Click Create & Open.
 6. Edit the fragment by adding the required components:
 - Text Component for "About Me"
 - Text Component for "Contact Me"
 - List Component for latest 5 news
 - Teaser Component for social media links
 7. Click Save & Close.
-

3. Configuring Latest 5 News Using a List Component

To dynamically fetch the latest 5 news items:

1. Add a List Component to the Experience Fragment.
2. Open the List Component's properties.
3. Configure it to fetch content from /content/news.
4. Set Limit to 5 items.
5. Check Open links in a new tab.
6. Save the configuration.

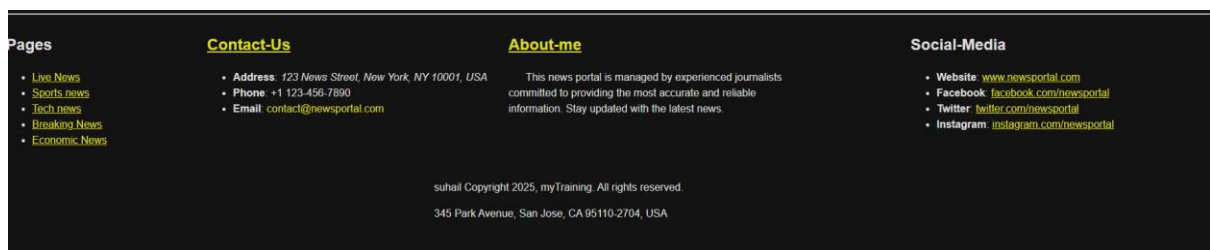
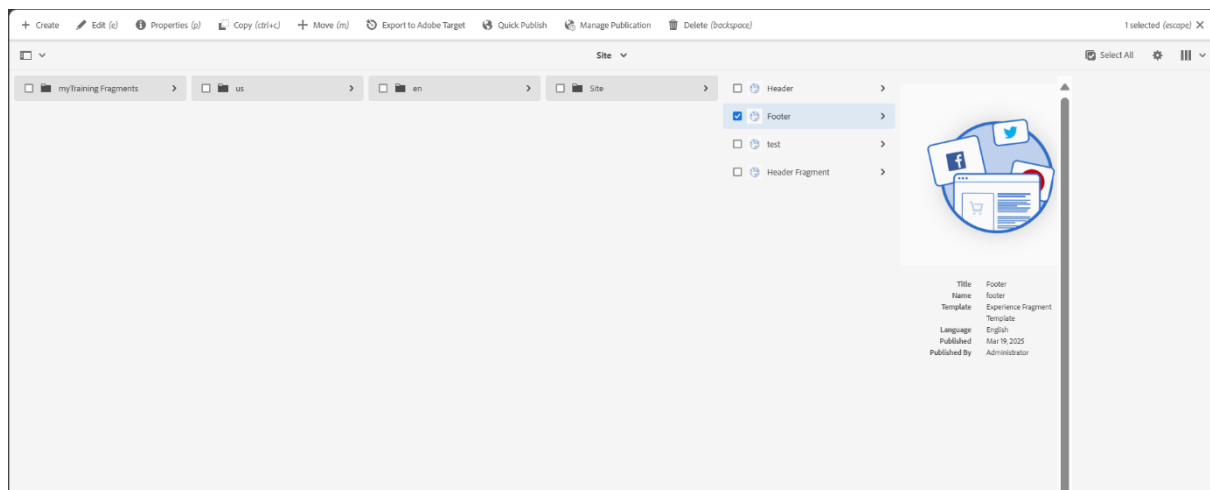
Screenshots

- **Footer in pages**

Pages <ul style="list-style-type: none">• Live News• Sports news• Tech news• Breaking News• Economic News	Contact-Us <ul style="list-style-type: none">• Address: 123 News Street, New York, NY 10001, USA• Phone: +1 123-456-7890• Email: contact@newsportal.com	About-me <p>This news portal is managed by experienced journalists committed to providing the most accurate and reliable information. Stay updated with the latest news.</p>	Social-Media <ul style="list-style-type: none">• Website: www.newsportal.com• Facebook: facebook.com/newsportal• Twitter: twitter.com/newsportal• Instagram: instagram.com/newsportal
--	--	---	---

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Footer Experience Fragment



Home Page Implementation

The home page should include:

1. A Teaser Component to display an award ceremony for a journalist.
2. The teaser should have:
 - An Image
 - A Title
 - A Description
 - A Call-to-Action (CTA) linking to the full news page.

To achieve this, we will:

- Use the OOTB Content Page Template (/conf/myTraining/settings/wcm/templates/content-page).
- Author the Teaser Component with award details.
- Ensure that the CTA links to a separate news article page containing full details.

2. Creating the Home Page

1. Navigate to AEM > Sites.
2. Click on Create > Page.
3. Select Content Page (OOTB Template).
4. Provide a title (e.g., Home).
5. Click Create & Open.

3. Configuring the Teaser Component

1. Open the Home Page in the AEM editor.
2. Drag and drop a Teaser Component onto the page.
3. Configure the teaser:
 - Image: Upload an image of the journalist's award ceremony.
 - Title: Enter a meaningful title (e.g., *Journalist Wins Prestigious Award*).
 - Description: Provide a short summary of the award.
 - CTA: Link to the detailed news page (/content/news/award-ceremony).
4. Click Save & Close.

4. Linking the Teaser to a Detailed News Page

- The CTA Button links to /content/news/award-ceremony.
- You must author a news article page under /content/news/award-ceremony.
- That page should include:
 - A Title Component for the award's headline.
 - A Text Component for full news details.
 - An Image Component with relevant images.

Screenshots

- Adding contents in teaser

Teaser

Links **Text** Asset

Pretitle

Title

Journalist of the Year 2025 – John Doe Wins Prestigious Award!

☐ Get title from linked page

Description

John Doe has been awarded the prestigious "Journalist of the Year 2025" for his outstanding investigative work...

☐ Get description from linked page

ID

Cancel Done

Teaser

Links **Text** Asset

The teaser title, description and image can be inherited from the linked page, or from the page linked in the first call to action. If neither a link nor a call to action is specified, then the title, description and image will be inherited from the current page.

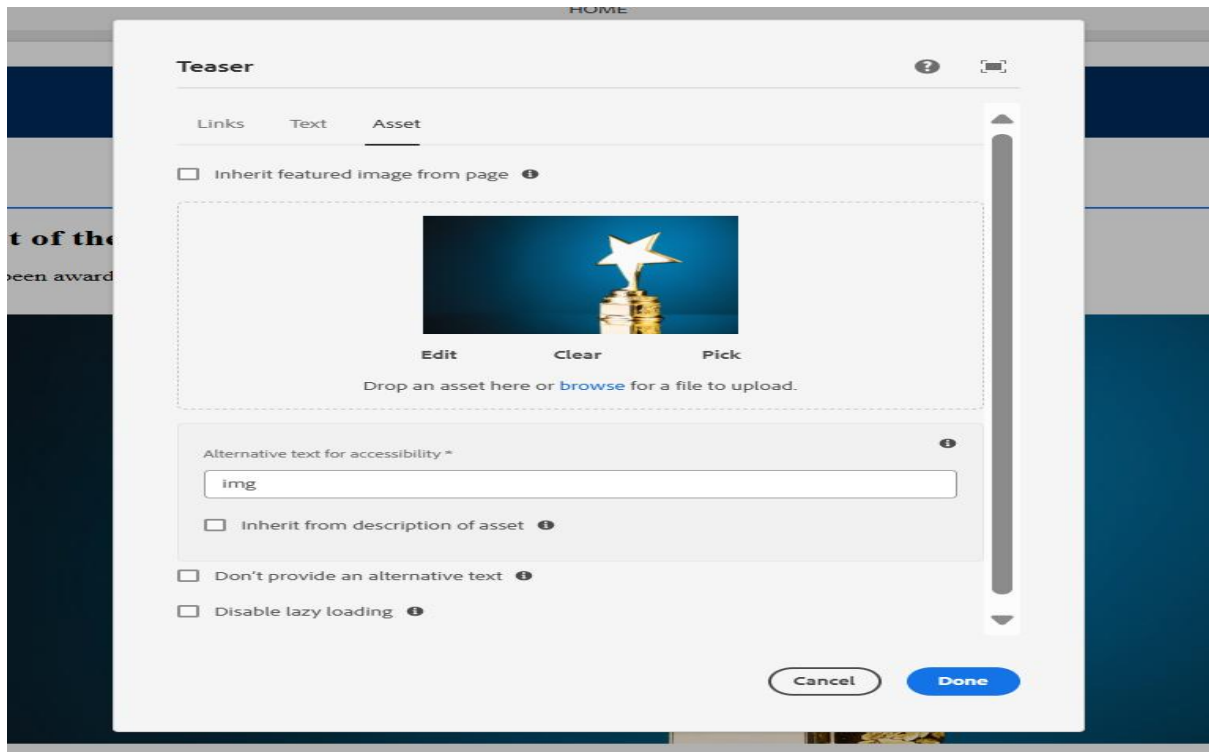
Link

☐ Open link in new tab

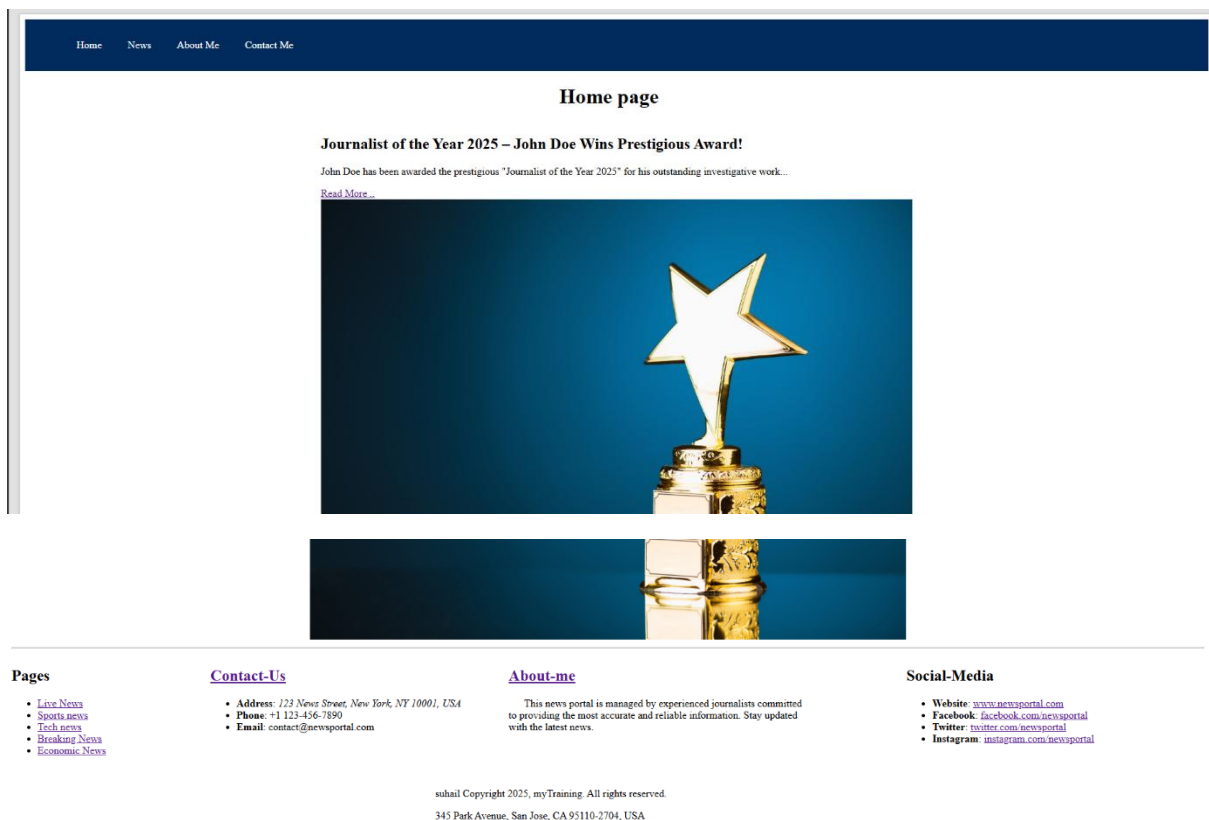
Call-to-actions

☐

Cancel Done



- Home Page



News Page Implementation

The News Page should:

1. Be created under /content/news.
2. Use a custom NewsRoom Component to fetch all authored news articles from /content/news.
3. Display news articles in a card layout (each card should contain an image, title, and short description).
4. Ensure that clicking on a news card redirects the user to the respective news article page.

Each News Article Page should:

1. Be created under /content/news/{article-title}.
2. Include a Title Component for the article headline.
3. Use an Image Component for the news image.
4. Use a Text Component for the article content.

2. Creating the News Page

1. Navigate to AEM > Sites.
2. Click on Create > Page.
3. Select Content Page (OOTB Template).
4. Provide a title (News).
5. Click Create & Open.

3. Creating the Custom NewsRoom Component

Newsroom.html

```
<sly data-sly-use.newsroomModel="com.myTraining.core.models.NewsRoomModel"/>
<div class="newsroom">
  <h2>Latest News</h2>
```

```
<ul>
  <sly data-sly-list.newsItem="${newsroomModel.newsItems}">
    <li class="news-card">
      
      <h3>${newsItem.title}</h3>
      <p>${newsItem.description}</p>
      <a href="${newsItem.pagePath}.html">Read More</a>
    </li>
  </sly>
</ul>
</div>
```

Newsroom.css

```
.newsroom-container {
  text-align: center;
  padding: 50px;
}

.news-list {
  display: flex;
  flex-wrap: wrap;
  justify-content: center;
  gap: 20px;
}

.news-card {
  width: 300px;
  background: white;
  padding: 15px;
  border-radius: 10px;
  box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);
  text-align: left;
}

.news-card img {
  width: 100%;
```

```

    border-radius: 10px;
}

.news-card h3 {
    font-size: 20px;
    margin: 10px 0;
}

.news-card p {
    font-size: 14px;
    color: #555;
}

.read-more {
    display: inline-block;
    margin-top: 10px;
    padding: 8px 12px;
    background: #007BFF;
    color: white;
    text-decoration: none;
    border-radius: 5px;
}

.read-more:hover {
    background: #0056b3;
}

```

Xml file

```

<?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="NewsRoom Component"
  sling:resourceType="cq/gui/components/authoring/dialog">
  <content jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/coral/foundation/container">

```

```

<items jcr:primaryType="nt:unstructured">
  <newsPath jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/coral/foundation/form/pathfield"
    fieldLabel="News Parent Path"
    name="./newsPath"/>
</items>
</content>
</jcr:root>

```

NewsRoomModel.java

```

package com.myTraining.core.models;

import com.adobe.cq.wcm.core.components.models.ListItem;
import com.adobe.cq.wcm.core.components.util.AbstractComponentImpl;
import org.apache.sling.api.resource.Resource;
import org.apache.sling.api.resource.ResourceResolver;
import org.apache.sling.models.annotations.DefaultInjectionStrategy;
import org.apache.sling.models.annotations.Model;
import org.apache.sling.models.annotations.injectorspecific.Self;
import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;

import javax.annotation.PostConstruct;
import java.util.ArrayList;
import java.util.List;

@Model(adaptables = Resource.class, defaultInjectionStrategy =
DefaultInjectionStrategy.OPTIONAL)
public class NewsRoomModel extends AbstractComponentImpl {

    @Self
    private Resource resource;

    @ValueMapValue
    private String newsPath;

    private List<NewsItem> newsItems;

    @PostConstruct
    protected void init() {
        newsItems = new ArrayList<>();
        if (newsPath != null && !newsPath.isEmpty()) {
            ResourceResolver resolver = resource.getResourceResolver();
            Resource newsRoot = resolver.getResource(newsPath);

```

```

        if (newsRoot != null) {
            for (Resource newsResource : newsRoot.getChildren()) {
                String title = newsResource.getValueMap().get("jcr:title", "Untitled News");
                String image = newsResource.getValueMap().get("image", "");
                String description = newsResource.getValueMap().get("text", "No description
available.");

                newsItems.add(new NewsItem(title, image, description,
newsResource.getPath()));
            }
        }
    }

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

    public static class NewsItem {
        private final String title;
        private final String image;
        private final String description;
        private final String pagePath;

        public NewsItem(String title, String image, String description, String pagePath) {
            this.title = title;
            this.image = image;
            this.description = description;
            this.pagePath = pagePath;
        }

        public String getTitle() { return title; }
        public String getImage() { return image; }
        public String getDescription() { return description; }
        public String getPagePath() { return pagePath; }
    }
}

```

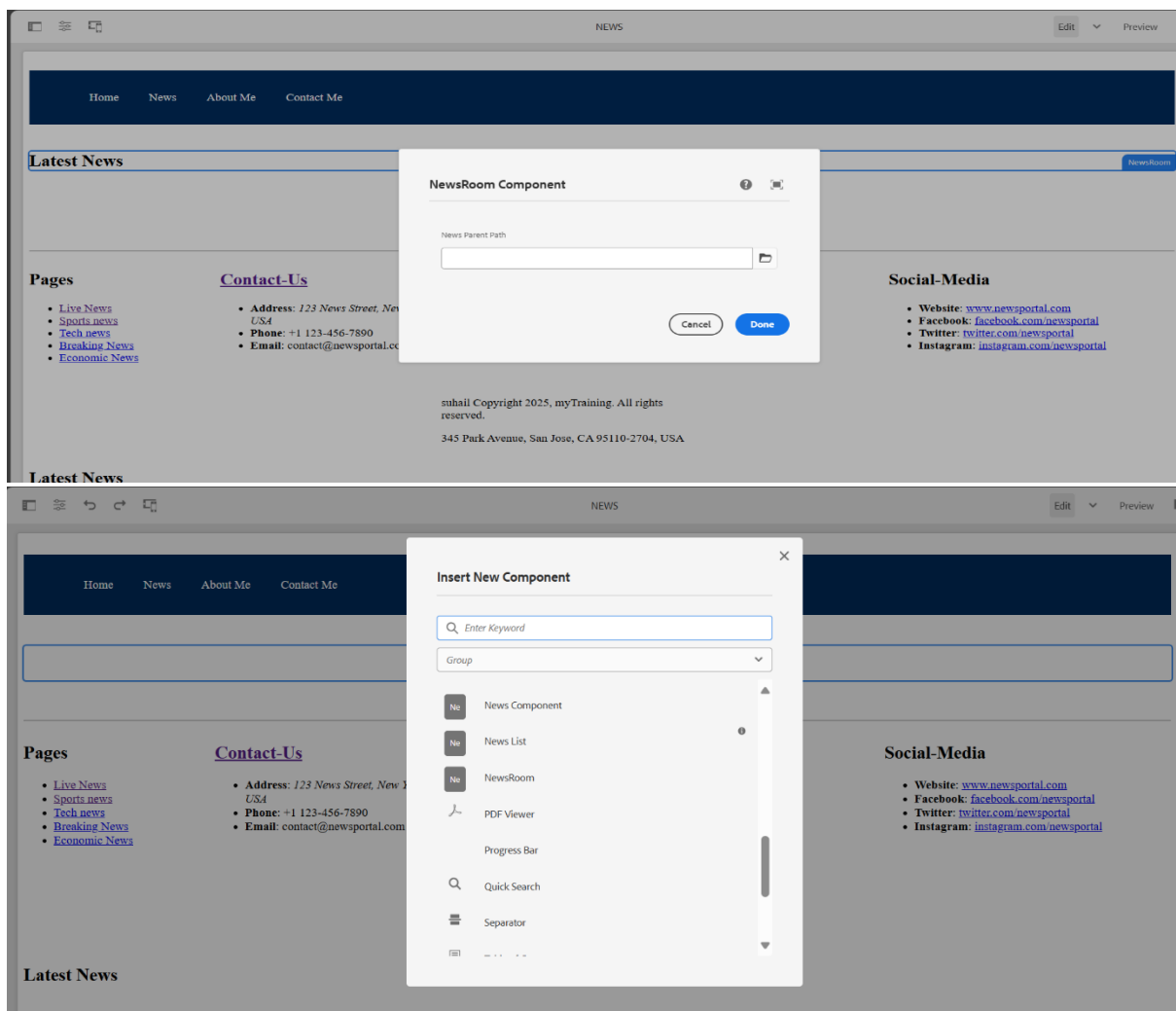
4 . Creating News Article Pages

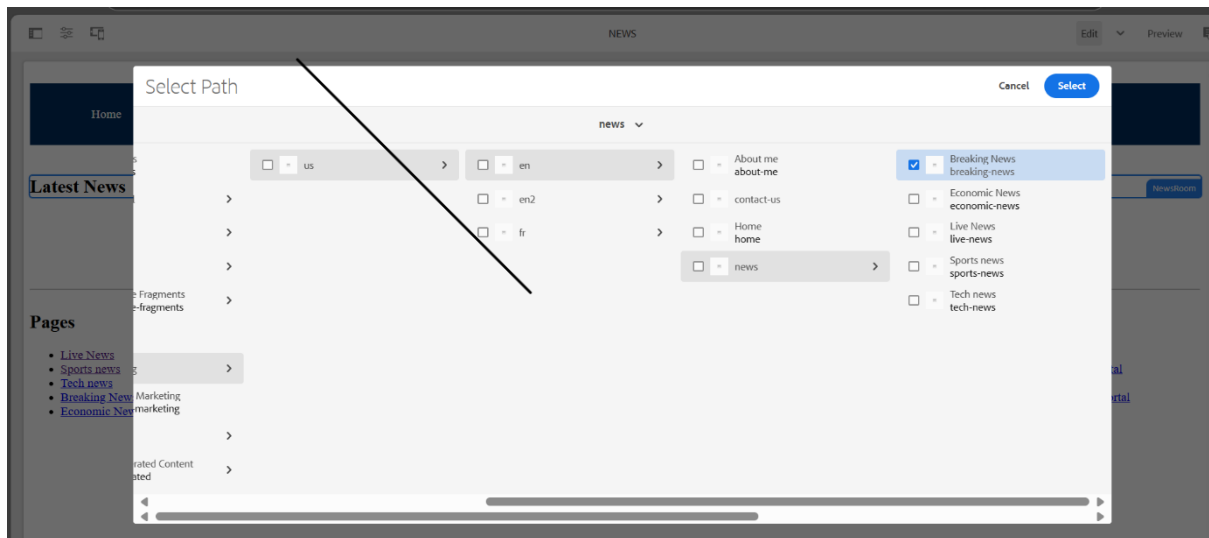
1. Navigate to AEM > Sites > News.
2. Click Create > Page.

3. Select Content Page (OOTB Template).
4. Provide a title (e.g., "Breaking News - Major Event").
5. Click Create & Open.
6. Edit the page by adding:
 - Title Component for the headline.
 - Image Component for the article image.
 - Text Component for the news content.
7. Click Save & Publish.

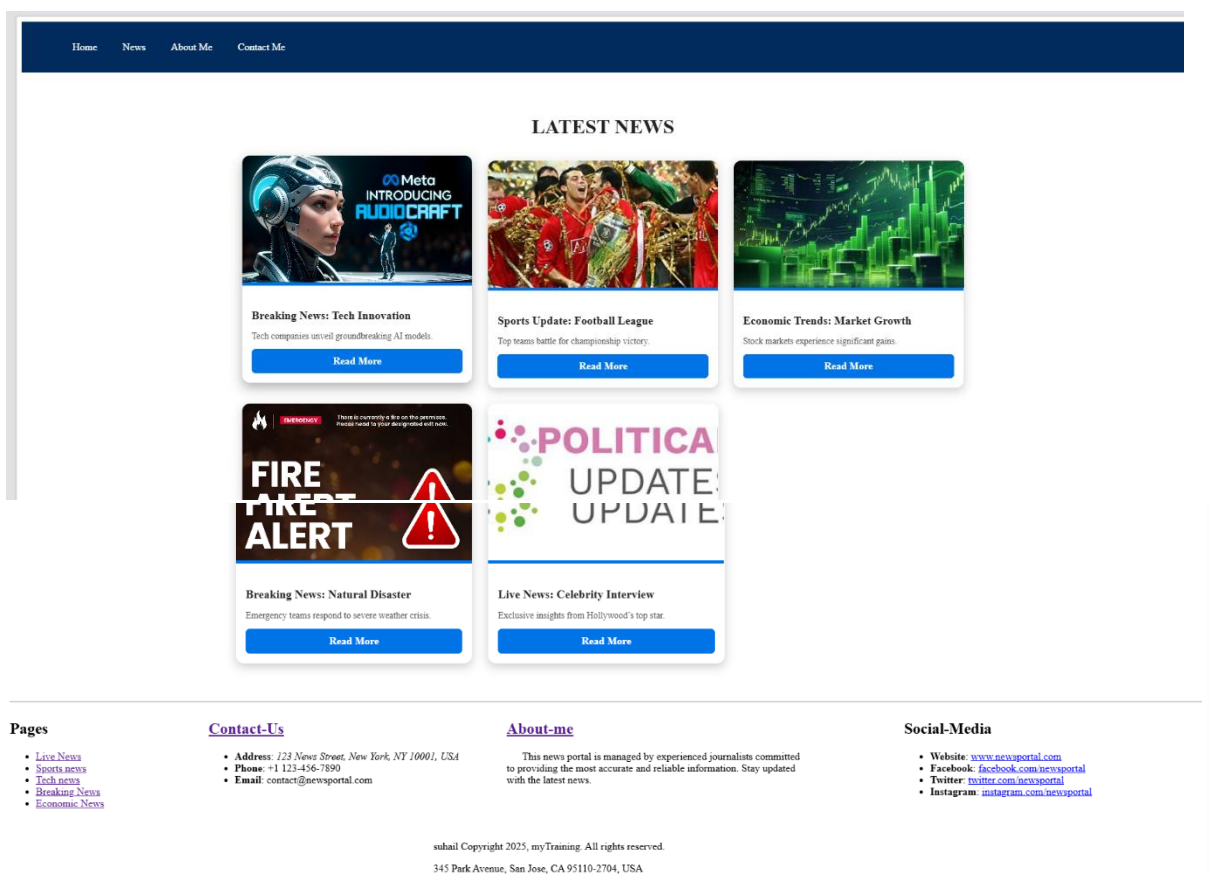
Screenshots

- **NewsRoom component**





• NewsPage



• Page - 01

Page – 02

Page – 03

Breaking : Major political update



The government has announced new policies today, sparking debates across the country.

- In a surprising move, the government has unveiled new regulations regarding the digital economy.
- Officials claim the changes will boost national security and economic stability, but critics argue
- that these rules may impact data privacy. The full effect of these changes will be seen in the coming weeks.

Pages

- [Live News](#)
- [Sports news](#)
- [Tech news](#)
- [Breakfast News](#)
- [Economic News](#)

Contact-Us

- **Address:** 123 News Street, New York, NY 10001, USA
- **Phone:** +1 123-456-7890
- **Email:** contact@newsportal.com

About-me

This news portal is managed by experienced journalists committed to providing the most accurate and reliable information. Stay updated with the latest news.

Social-Media

- **Website:** www.newsportal.com
- **Facebook:** facebook.com/newsportal
- **Twitter:** twitter.com/newsportal
- **Instagram:** instagram.com/newsportal

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345 Park Avenue, San Jose, CA 95110-2704, USA

About Me Page

The About Me Page should:

1. Be created under /content/about-me.
2. Use a custom Journalist Component to display journalist information.
3. Include:
 - Journalist's Image
 - Name & Title
 - Biography / Description
 - Notable Achievements

2. Creating the About Me Page

1. Navigate to AEM > Sites.
2. Click on Create > Page.
3. Select Content Page (OOTB Template).
4. Provide a title (About Me).
5. Click Create & Open.

3. Creating the Custom Journalist Component

Code

- **Journalist.html**

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

<sly data-sly-use.journalist="com.myTraining.core.models.JournalistModel"/>

<div class="journalist">
  <div class="journalist__image" data-sly-test="${journalist.image}">
    
  </div>
  <div class="journalist__content">
    <h2 data-sly-test="${journalist.name}">${journalist.name}</h2>
    <p data-sly-test="${journalist.bio}">${journalist.bio}</p>
  </div>
</div>
```

Xml file

```
<?xml version="1.0" encoding="UTF-8"?>
<jcr:root
  xmlns:sling="http://www.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"
  cq:dialogMode="floating"
  jcr:title="Journalist Properties">

  <content jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/coral/foundation/form">
    <items jcr:primaryType="nt:unstructured">

      <name jcr:primaryType="nt:unstructured"
        sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        fieldLabel="Journalist Name"
        name="/name"/>

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

```

        sling:resourceType="granite/ui/components/coral/foundation/form/pathfield"
        fieldLabel="Journalist Image"
        name="./image"
        rootPath="/content/dam"/>

        <bio jcr:primaryType="nt:unstructured"
            sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
            fieldLabel="Journalist Bio"
            name="./bio"/>

    </items>
</content>

</jcr:root>

```

JournalistModel.java

```

package com.myTraining.core.models;

import org.apache.sling.api.resource.Resource;
import javax.inject.Inject;
import javax.inject.Named;
import com.adobe.cq.export.json.ExporterConstants;
import org.apache.sling.models.annotations.Default;
import org.apache.sling.models.annotations.DefaultInjectionStrategy;
import org.apache.sling.models.annotations.Model;
import org.apache.sling.models.annotations.Exporter;

@Model(adaptables = Resource.class,
    defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)
@Exporter(name = ExporterConstants.SLING_MODEL_EXPORTER_NAME,
    extensions = ExporterConstants.SLING_MODEL_EXTENSION,
    selector = "journalist") // Added selector
public class JournalistModel {

    @Inject @Named("name")
    @Default(values = "Unknown Journalist")
    private String name;

    @Inject @Named("image")
    @Default(values = "/content/dam/myTraining/us/en-us/professional.png")
    private String image;

    @Inject @Named("bio")
    @Default(values = "No bio available.")

```

```
private String bio;

public String getName() {
    return name;
}

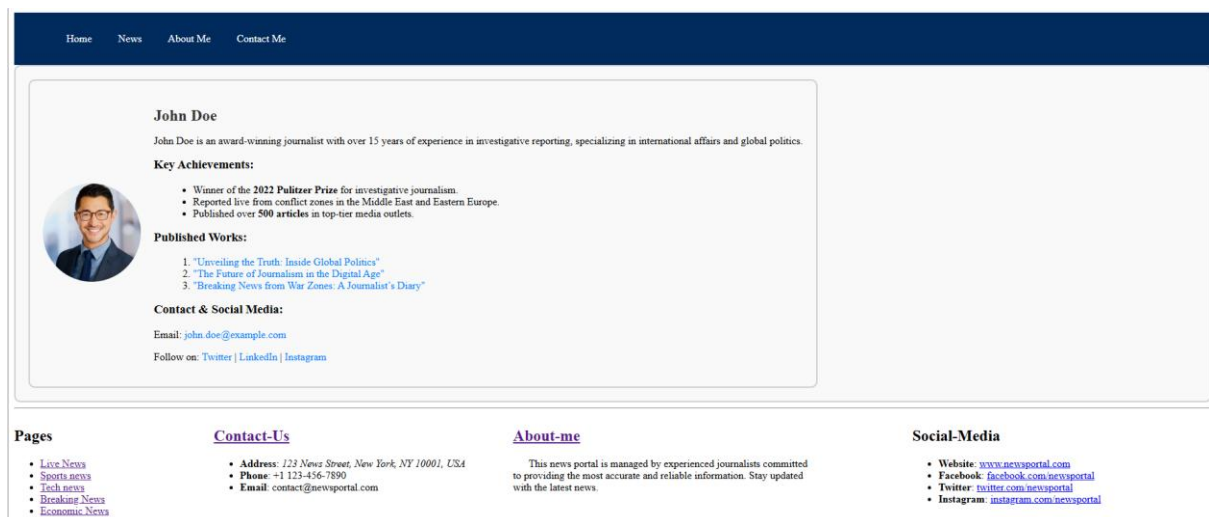
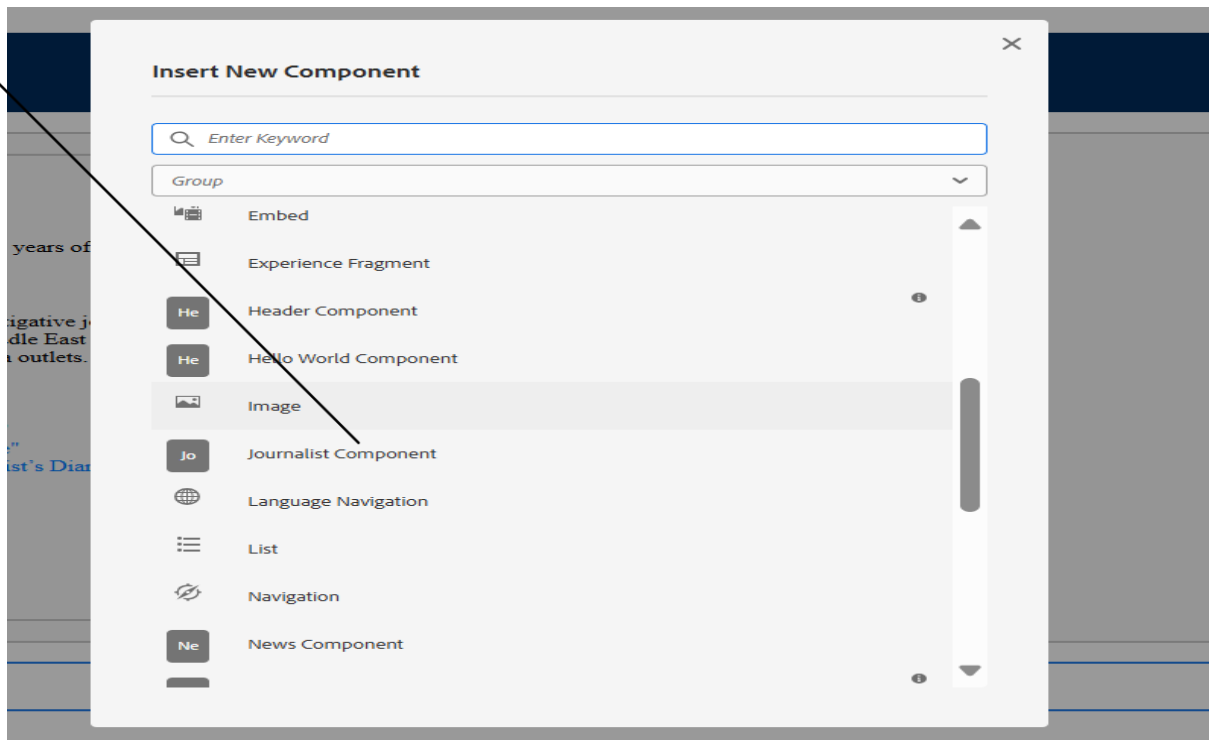
public String getImage() {
    return image;
}

public String getBio() {
    return bio;
}
}
```

4. Adding the Journalist Component to the About Me Page

1. Open the About Me Page in the AEM editor.
2. Drag and drop the Journalist Component onto the page.
3. Configure the component by filling in:
 - Image: Upload a journalist's profile image.
 - Name: Enter the journalist's name.
 - Title: Provide a short designation (e.g., *Investigative Journalist*).
 - Biography: Enter a short bio or achievements.
4. Click Save & Close.

Screenshots



Contact Me Page

The Contact Me Page should:

1. Be created under `/content/contact-me`.
2. Use Text Component or Teaser Component for:
 - Journalist's Contact Information (Email, Phone)
 - Social Media Links (LinkedIn, Twitter, etc.)
 - Optional Call-to-Action (CTA) for Engagement

2. Creating the Contact Me Page

1. Navigate to AEM > Sites.
2. Click on Create > Page.
3. Select Content Page (OOTB Template).
4. Provide a title (Contact Me).
5. Click Create & Open.

3. Adding Contact Details Using Text Component

1. Open the Contact Me Page in the AEM editor.
2. Drag and drop a Text Component onto the page.
3. Enter the contact details:
 - Email: suhail@example.com
 - Phone: +1-234-567-890
 - Location: New York, USA
4. Click Save & Close.

4. Adding Social Media Links Using Teaser Component

1. Drag and drop a Teaser Component onto the page.
2. Configure the component with:
 - Title: *Follow Me on Social Media*
 - Image: Add a social media banner or icon
 - CTA Button: *Connect* (with a link to social media profiles)
 - Links:
 - LinkedIn: <https://linkedin.com/in/journalist>
 - Twitter: <https://twitter.com/journalist>
 - Instagram: <https://instagram.com/journalist>

3. Click Save & Close.

Screenshot

