

AEM Training - Day 5 Assignment (24-03-2025) –

Implementation Guide

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1. Creating News Articles

Description:

We will create structured News Articles in AEM under a dedicated section.

Steps:

1. **Navigate to:**

swift

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/content/us/en/news

2. **Create five unique news pages** with the following fields:

- **Headline** (<h2>)
 - **Article Content** (<p>)
 - **Publication Date**
-

2. Adding the News Component

Description:

The News Component will dynamically display news articles.

Steps:

1. **Use the existing News Component** to render articles.
2. Ensure it includes:
 - **Headline (<h2>)** with distinct styling.
 - **News Content (<p>)** for article details.
 - **Publication Date** with proper formatting.
 - Maintain a **responsive and visually appealing** design.

Code Snippet (NewsComponent.html):

html

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```
<div class="news-item">
  <h2>${newsModel.headline}</h2>
  <p>${newsModel.content}</p>
  <span>${newsModel.publicationDate}</span>
</div>
```

3. Setting Up the Header

Description:

A **Header Experience Fragment** will be created for seamless navigation.

Steps:

1. **Create a Header Fragment.**
2. **Include navigation links to:**
 - **News Section** (linking to news pages)
 - **About Me** page
 - **Contact Us** page

4. Configuring the Footer

Description:

A **Footer Experience Fragment** will be configured with multiple sections.

Sections:

1. Latest News Section:

- Use a **List Component** to display recent news articles.

2. About Me Section:

- Add a **Text Component** with journalist details.

3. Contact Section:

- Include **office address, phone number, or email**.

4. Social Media Section:

- Use a **List Component** for social media links.
-

5. Developing a Custom Service

Description:

A **Custom OSGi Service** will be developed to return a simple response.

Steps:

1. **Create an OSGi service class** in Java.
2. **Inject it** into the News Component's Sling Model.
3. **Log the service output** in AEM logs.

Code Snippet (HelloWorldService.java):

```
java
```

```
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```

```
@Designate(ocd = HelloWorldConfig.class)
```

```
@Component(service = HelloWorldInt.class)
```

```
public class HelloWorldService {  
    public String getMessage() {  
        return "Hello World from Custom Service";  
    }  
}
```

6. Implementing API Configuration

Description:

We will develop a configuration to store **third-party API URLs** and fetch data.

Steps:

1. **Define an OSGi configuration** for API URLs.
2. **Fetch JSON data** from a sample API.
3. **Log the response** in AEM logs.

Example API:

arduino

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<https://jsonplaceholder.typicode.com/posts>

Conclusion

In this assignment, we successfully:

- ✓ **Created structured News Articles**
- ✓ **Added a dynamic News Component**
- ✓ **Configured a reusable Header & Footer**
- ✓ **Developed a Custom OSGi Service**
- ✓ **Implemented API Configuration for fetching data**

