

AEM Assignment 6

News Component Implementation - AEM

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Overview

This document provides a structured guide to implementing a news-based feature in AEM, including content pages, experience fragments, a custom service, and configurations for third-party API integration.

Steps

1. Create 5 News Article Pages

- Navigate to `/content/us/en/news` in AEM.
- Create 5 unique news article pages.
- Ensure each page has a distinct title and content.

2. Use News Component

- Add the previously created News Component to each news page.
- The component should display:
 - **Title** (`<h2>`) in green.
 - **News Detail** (`<p>`) in yellow.
 - **Published Date** in black.

3. Create Header Experience Fragment

- Create a **Header Experience Fragment**.
- Include a navigation menu with:
 - **News Menu** (linked to news pages)
 - **Contact Us** page
 - **About Me** page

4. Create Footer Experience Fragment

- Create a **Footer Experience Fragment** with 4 sections:
 1. **News Menu Section**: Use a List Component to display 4 news articles.
 2. **About Me Section**: Use a Text Component to add content about the journalist.
 3. **Contact Us Section**: Use a Text Component with contact details (mobile number, email, office address).
 4. **Social Media Section**: Use a List Component to link social media accounts.

5. Create Custom Service

- Implement a **custom service** that prints "Hello World".
- Call this service from the **News Component's Sling Model**.
- Log the output in **AEM logs**.

6. Create Custom Configuration

- Develop a **custom configuration** to store a third-party API URL (e.g., `https://jsonplaceholder.typicode.com/posts`).
- Retrieve JSON data from the API.
- Print the JSON response in **AEM logs**.

Assignment 6 - Servlets Implementation

1. Create SampleServlet

- Extend the **SlingAllMethodServlet**.
- Register it using **resourceType**.

2. Create CreatePageServlet

- Extend the **SlingSafeMethodServlet**.
- Register it using **path**.

3. Take Page Name from User

- Create pages in AEM using the **CreatePageServlet**.

4. Use Page Manager APIs

- Utilize **Page Manager APIs** for page creation tasks.

5. Create SearchServlet

- Implement **SearchServlet** to search content using **PredicateMap**.
 - Fetch content from pages.
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