

# Building a News Website in AEM

## 1. Create Five News Article Pages

- Open the **Sites Console** at </content/us/en/news>.
- Click **Create Page** and select the **News Room Page Template**.
- Assign unique titles to five articles, such as:
  - *Tech Innovations 2025*
  - *Political Insights*
  - *Sports Update*
  - *Global Economy Trends*
  - *Health & Wellness News*
- Utilize the **News Component** to insert:
  - **Title**
  - **News Details**
  - **Published Date**
- Publish all the created pages.

## 2. Develop a Header Experience Fragment

- Go to the **Experience Fragments Console** at </content/experience-fragments/us/en>.
- Create a new fragment named **Header-XF**.
- Add a **Navigation Component** and configure the menu with links to:
  - **News** (</content/us/en/news>)
  - **Contact Us** (</content/us/en/contact>)
  - **About Me** (</content/us/en/about-me>)

- Publish the fragment.

### 3. Create "About Me" and "Contact Us" Pages

- Use the **Base Page Template** to create the pages.

#### "About Me" Page (</content/us/en/about-me>)

- Add a **Teaser Component** with:
  - A **journalist's image**
  - A **title**
- Insert a **Text Component** for journalist details.

#### "Contact Us" Page (</content/us/en/contact>)

- Add a **Text Component** displaying:
  - **Phone Number**
  - **Email Address**
  - **Office Address**

### 4. Build a Footer Experience Fragment

- Navigate to **Experience Fragments Console** (</content/experience-fragments/us/en>).
- Create a fragment named **Footer-XF**.
- Add the following sections:
  - **News Menu:** List Component (showing 4 news articles).
  - **About Me:** Text Component with a brief bio.
  - **Contact Us:** Text Component with contact details.
  - **Social Media:** List Component with links to social media profiles.
- Publish the fragment.

## 5. Create a Custom OSGi Service to Print "Hello, World!"

- In the **Core Module (ui.apps.core)**, create an OSGi service:

```
@Designate(ocd = HelloWorldService.Config.class)
@Component(service = HelloWorldService.class, immediate = true)
public class HelloWorldService {
    @ObjectClassDefinition(name = "Hello World Configuration")
    public @interface Config {}

    public String getHelloMessage() {
        return "Hello, World!";
    }
}
```

- Modify the **News Component Sling Model** to integrate this service:

```
@Model(adaptables = SlingHttpServletRequest.class,
defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)
public class NewsComponentModel {
    @OSGiService
    private HelloWorldService helloWorldService;

    private static final Logger LOG =
        LoggerFactory.getLogger(NewsComponentModel.class);

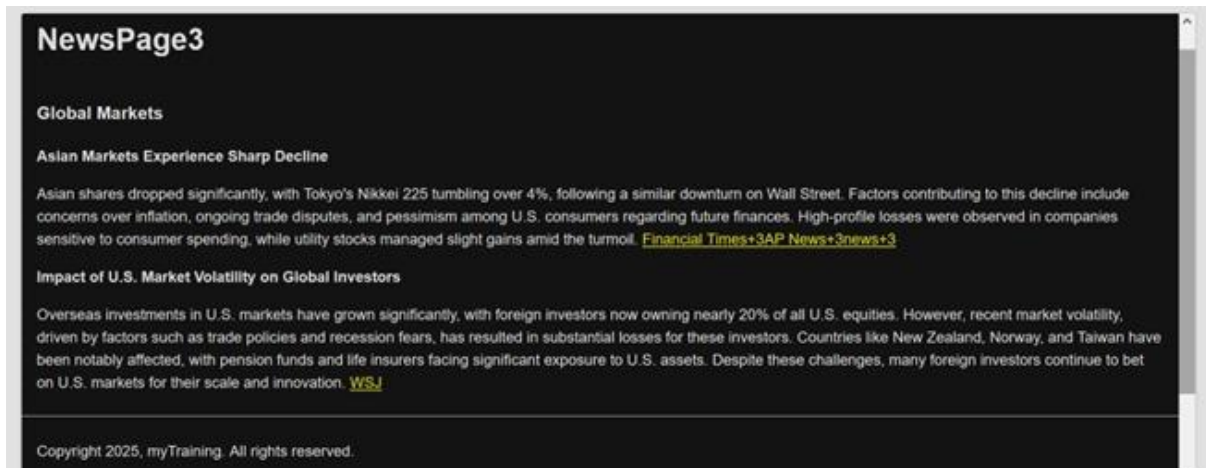
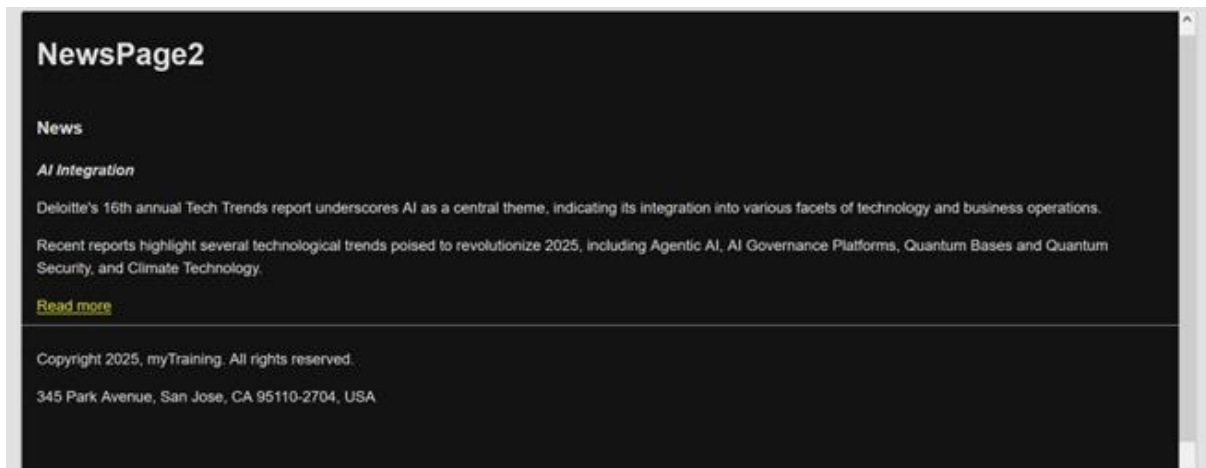
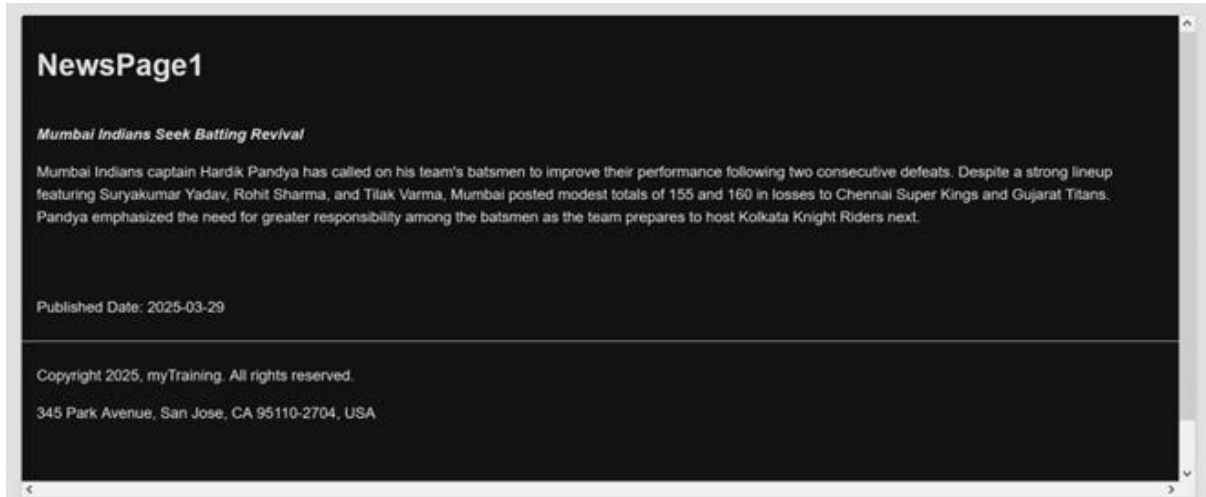
    @PostConstruct
    protected void init() {
        String message = helloWorldService.getHelloMessage();
        LOG.info("Message from Service: " + message);
    }

    public String getServiceMessage() {
        return helloWorldService.getHelloMessage();
    }
}
```

- Deploy the service and check **error.log** for the output:

Message from Service: Hello, World!

## Screen Shots



## Climate Change

### UK Carbon Emissions Decline

In 2024, the UK's carbon emissions fell by 4%, marking a 54% reduction from 1990 levels. This decline is attributed to reduced gas and coal usage in electricity supply and industry, the closure of the UK's last coal-fired power station, and the expansion of renewable energy sources. Transport remains the largest emissions source, accounting for 30% of the total, but saw a 2% decrease due to a decline in diesel car use. [The Guardian](#)

### Arctic Tundra Now a Carbon Source

The Arctic tundra, historically a carbon sink, is now emitting more carbon dioxide than it absorbs due to increased warming and wildfire frequency. The region experienced its second-warmest temperatures since 1900, accelerating permafrost thaw and releasing trapped carbon. This shift has global implications for climate change, highlighting the urgent need for comprehensive understanding and action. [The Guardian+1Times Union+1](#)

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### New Book Releases

#### "A Star Is Scorned" by Maureen Lee Lenker

Maureen Lee Lenker's upcoming historical romance novel, "A Star Is Scorned," set in 1930s Hollywood, follows action star Flynn Banks as he undergoes transformation through a "fake dating" plot with new co-star Liv de Lesseps. The book, part of Lenker's "romance cinematic universe," is the third in a series and is set for release on October 14, 2025. [EW.com](#)

#### Kathy Lette's "The Revenge Club"

Celebrated author Kathy Lette releases her 20th book, "The Revenge Club," depicting post-menopausal women taking revenge on dismissive bosses. At 66, Lette continues to thrive, turning personal experiences into fiction and advocating for women's issues and empowerment. [dailytelegraph](#)

#### "Sunrise on the Reaping" by Suzanne Collins

Fans gathered for the midnight release of "Sunrise on the Reaping," the fifth book in Suzanne Collins's Hunger Games series. The new

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#### About me

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