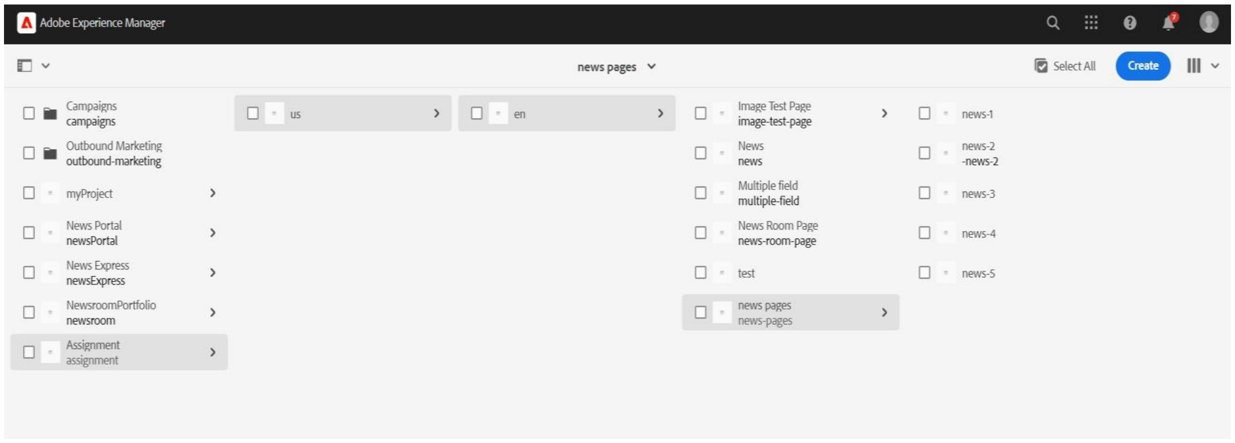
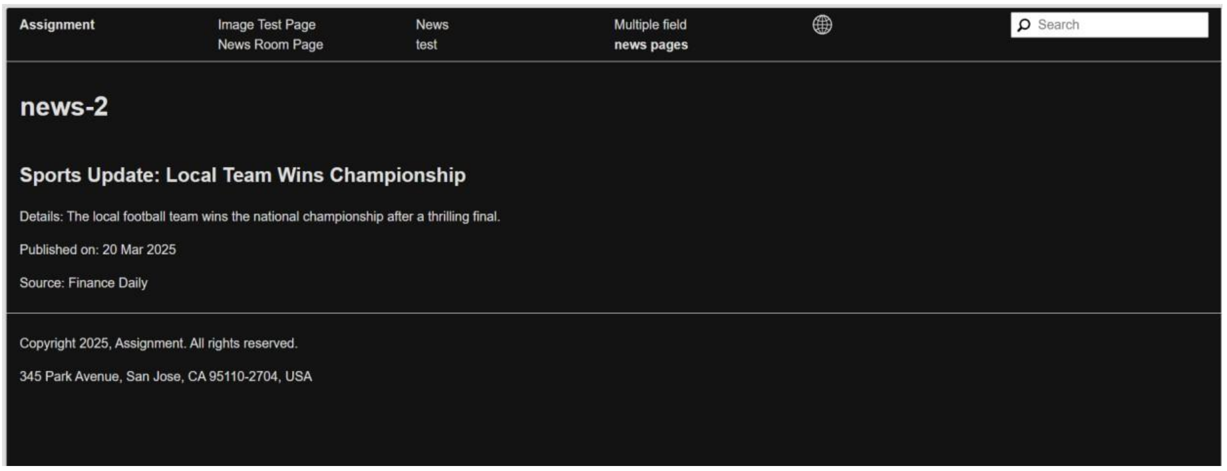
1.Create 5 news article pages under /content/us/en/news

All should be unique

Use News component which we had created previously to provide the title, news detail and published date.





news-2

Sports Update: Local Team Wins Championship

Details: The local football team wins the national championship after a thrilling final.

Published on: 20 Mar 2025

Source: Finance Daily

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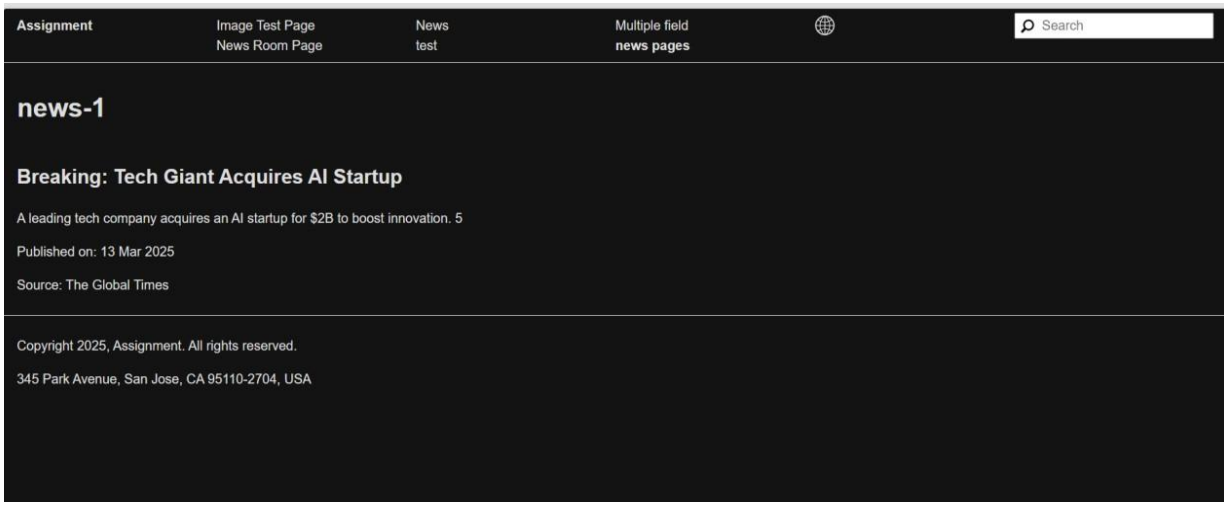
345 Park Avenue, San Jose, CA 95110-2704, USA



news-1

Breaking: Tech Giant Acquires AI Startup

A leading tech company acquires an AI startup for $2B to boost innovation. 5

Published on: 13 Mar 2025

Source: The Global Times

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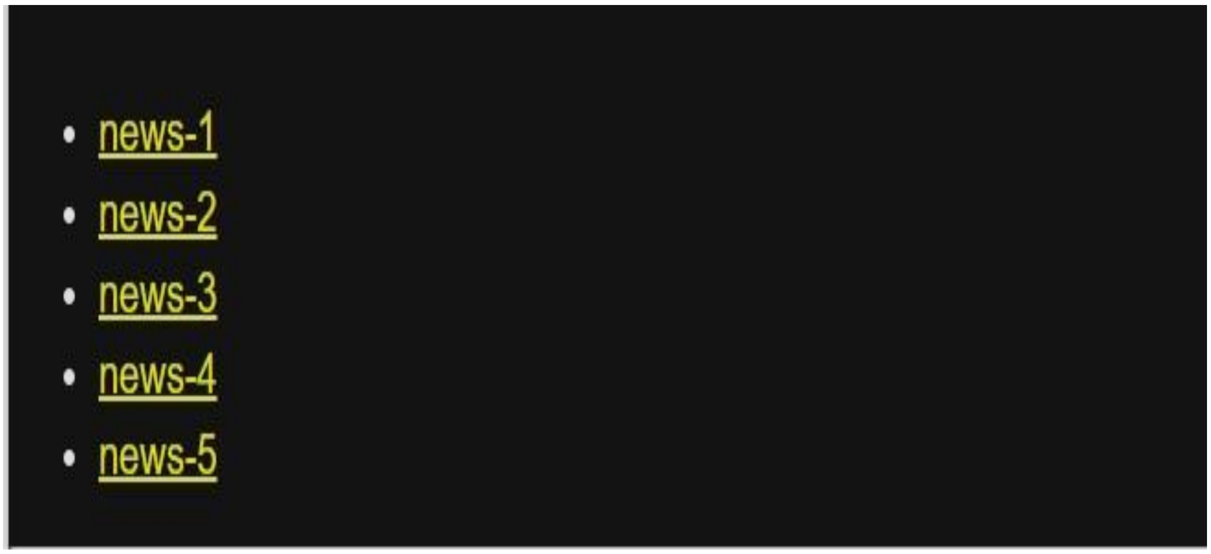
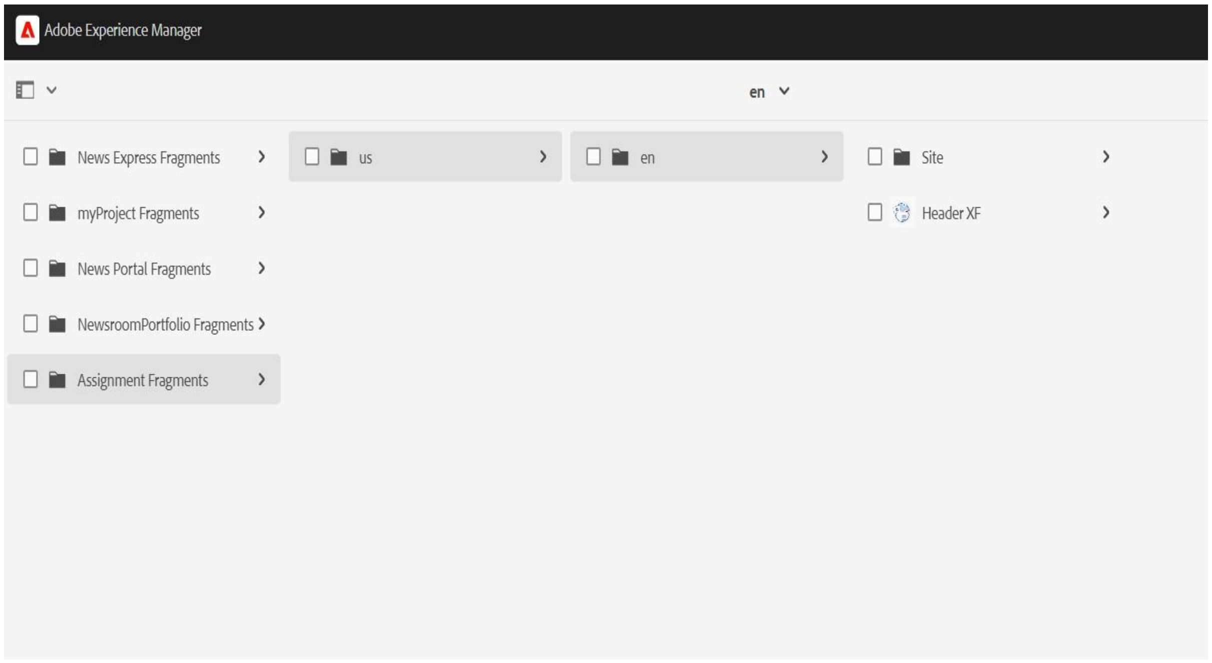
345 Park Avenue, San Jose, CA 95110-2704, USA

Create Header Experience fragment for header and use these page as menu (name should be news) and apart form hat create contact us page and about me page (you can use teaser or image, text, title components to provide some details about journalist on about me page and on contact us page it should be some contactt related details it can have their mobile number office address or email address).

1. **News Menu** – Links to the 5 news article pages you created.
2. **Contact Us Page** – With office address, email, or mobile number.
3. **About Me Page** – With journalist details using Teaser, Image, Text, and Title components.



- news-1
- news-2
- news-3
- news-4
- news-5



Create footer XF and it could have 4 sections:

1. **News Menu Section** → Uses **List Component** to show 4 news articles.
2. **About Me Section** → Uses **Text Component** for journalist details.
3. **Contact Us Section** → Uses **Text Component** for contact details.
4. **Social Media Section** → Uses **List Component** for social media links.

Implementation Steps

Step 3.1: Create the

Footer XF

1. **Go to**:
   - AEM **Navigation Panel** → **Experience Fragments**.
2. **Click**: **Create → Experience Fragment**.
3. **Enter** the **Title**: "Footer XF"
4. **Select a Template**: o Choose a **Footer Template** or a **Blank Template**.
5. **Click Create → Open**.

Step 3.2: Add Sections to

Footer XF 1. **News Menu**

Section:

- **Add a List Component**.
- Configure it to display **4 news articles** from /content/us/en/news.

2. **About Me Section**:
   - **Add a Text Component**.
   - Enter a short bio about the journalist.

3. **Contact Us Section**: o **Add a Text Component**. o Enter details like:

Office Address: 123 News Street, City

Email: journalist@example.com

Phone: +1 234 567 890

4. **Social Media Section**:
   - **Add a List Component**.
   - Configure it with links to **social media accounts** (e.g., LinkedIn, Twitter)

4. Create a custom service to print hello world and call this service from news component sling model and print this value in logs as well.

Create a Custom Service to Print "Hello World" in Logs

Overview

We will create an **OSGi Service** in AEM that:

1. Returns the string "Hello World".
2. Calls this service from the **News Component's Sling Model**.
3. Prints the "Hello World" message in the AEM logs.

Implementation Steps

Step 4.1: Create the OSGi Service

1. **Navigate to your AEM project** in IntelliJ IDEA.
2. **Go to the core module** → assignment/core/src/main/java/com/assignment/services.
3. **Create an Interface** HelloWorldService.java:

File Path:

assignment/core/src/main/java/com/assignment/services/HelloWorldS

ervice.j ava package com.assignment.services; public interface HelloWorldService

```
{
   String getMessage();
}
```

Step 4.2: Implement the OSGi Service

File Path:
assignment/core/src/main/java/com/assignment/services/impl/Hello

WorldSer viceImpl.java package com.assignment.services.impl;

```
import com.assignment.services.HelloWorldService;
import
org.osgi.service.component.annotations.Componen
t; import org.slf4j.Logger; import
org.slf4j.LoggerFactory;

@Component(service = HelloWorldService.class, immediate =
true) public class HelloWorldServiceImpl implements
HelloWorldService {

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

   @Override
public String
getMessage() {
      String message = "Hello World";
```

```
        LOG.info("Custom Service Output: {}",
message);        return message;
    }
}
```

Explanation:
@Component → Registers this as an OSGi service.
implements HelloWorldService → Implements the interface.
LOG.info → Prints "Hello World" in logs.
getMessage() → Returns "Hello World".

Step 4.3: Call the Service from the News Component Sling Model

1. **Go to**: assignment/core/src/main/java/com/assignment/models/NewsModel .ja va

2. **Modify the NewsModel to Use the Service**:

```
package com.assignment.models;


import com.assignment.services.HelloWorldService; import
com.adobe.cq.sightly.WCMUsePojo; 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.OSGiServic
e; import org.slf4j.Logger; import org.slf4j.LoggerFactory;
```

```
import javax.inject.Inject;


@Model(adaptables = WCMUsePojo.class,
defaultInjectionStrategy =
DefaultInjectionStrategy.OPTIONAL) public class
NewsModel {


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


   @OSGiService     private
HelloWorldService helloWorldService;


   public String getHelloMessage() {
      String message = helloWorldService.getMessage();
      LOG.info("NewsModel: Hello World Message = {}", message);
      return message;
   }
}
```

Explanation:
@OSGiService → Injects the HelloWorldService.
getHelloMessage() → Calls the service and logs the output.

Step 4.4: Deploy and Test

1. **Build & Deploy the Project**:

   ```
   mvn clean install -PautoInstallPackage
   ```

2. **Open AEM Logs**: ○ In **AEM Dev Console**, run:

   ```
   tail -f logs/error.log
   ```

- Look for:

```
Custom Service Output: Hello World

NewsModel: Hello World Message = Hello World
```