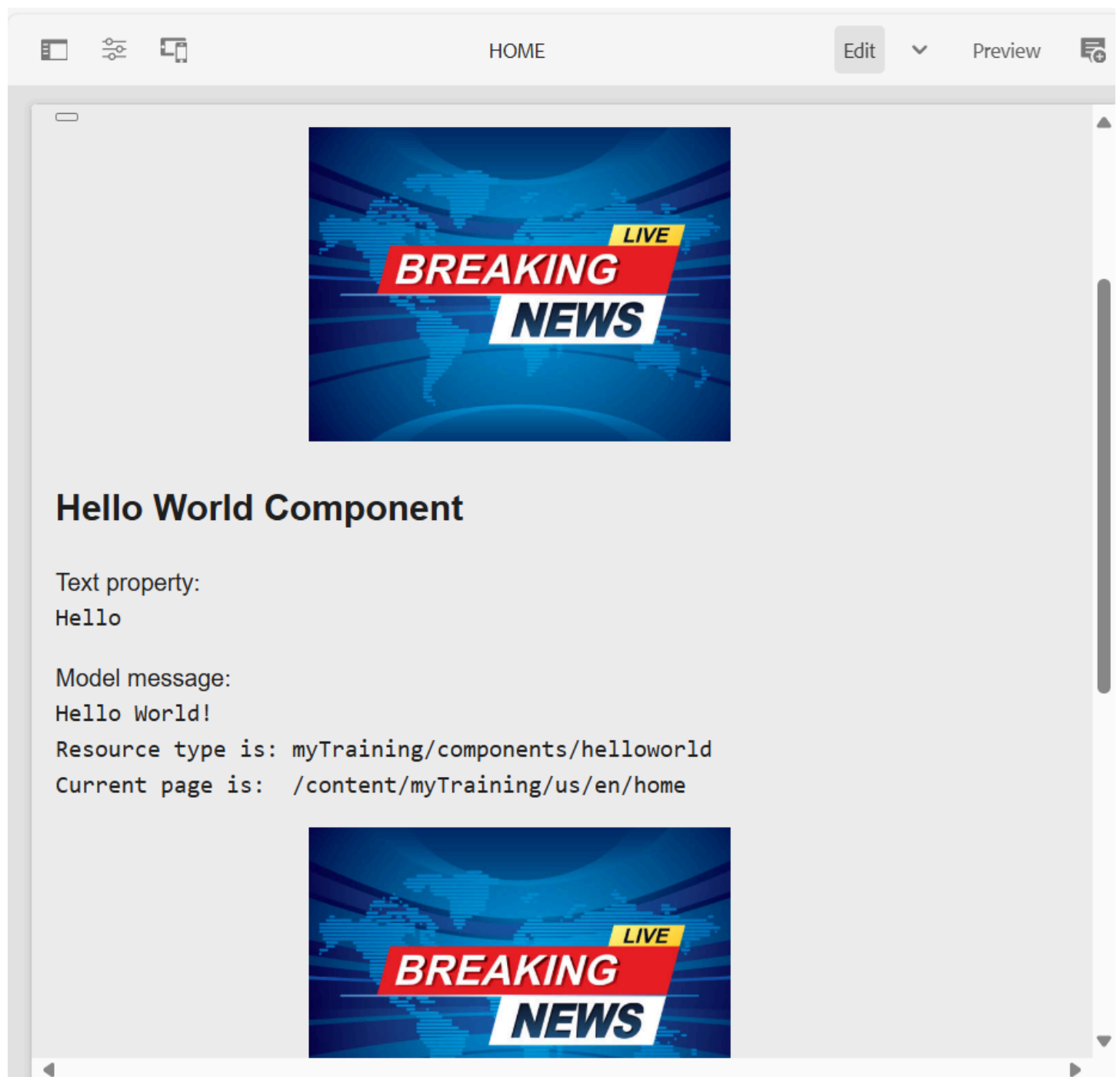# ASSIGNMENT 2

1)What is DAM and Why do we use it?

Digital Asset Management (DAM) is a system for storing, organizing, and managing digital files like images, videos, and documents. It ensures easy access, enhances collaboration, and prevents data loss by using metadata and categorization. Businesses use DAM to streamline workflows, maintain brand consistency, and automate content distribution. It is widely used in media, marketing, and e-commerce for efficient digital asset handling.

2)Create one folder inside our project folder and follow the path: "/content/dam/myTraining/us/en-us" and upload 2 images and author those images on page using image component as we see today.
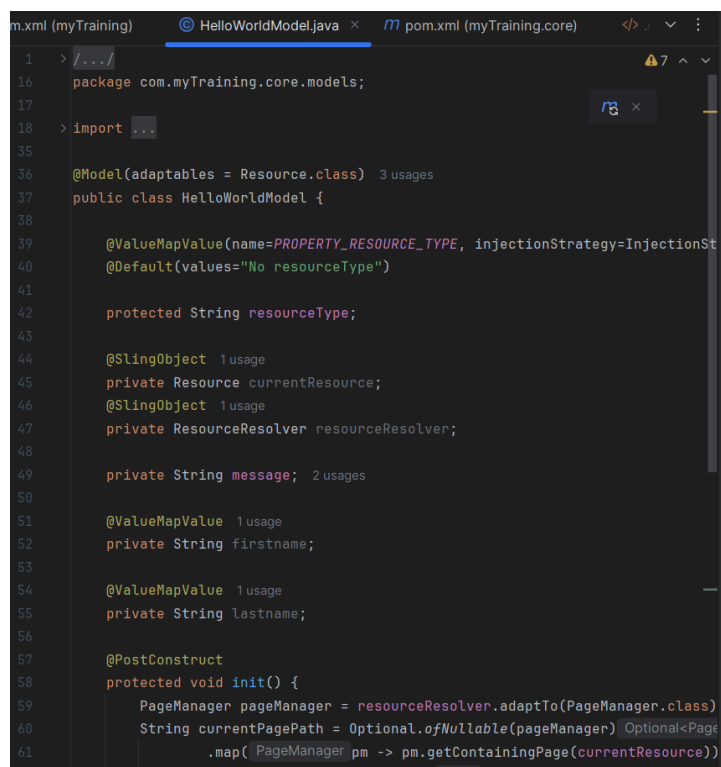
3)What is renditions? Check the renditions for 2 images which we had uploaded ?

Renditions are different versions of a digital asset, such as images, videos, or documents, created in various formats, sizes, or resolutions to suit specific needs. They help optimize content for different platforms, ensuring compatibility and performance. For example, an image may have renditions for web, print, and mobile use.

4)Add two fields in hello world component with name FirstName and Last Name and print the values on hello world.html component using properties.
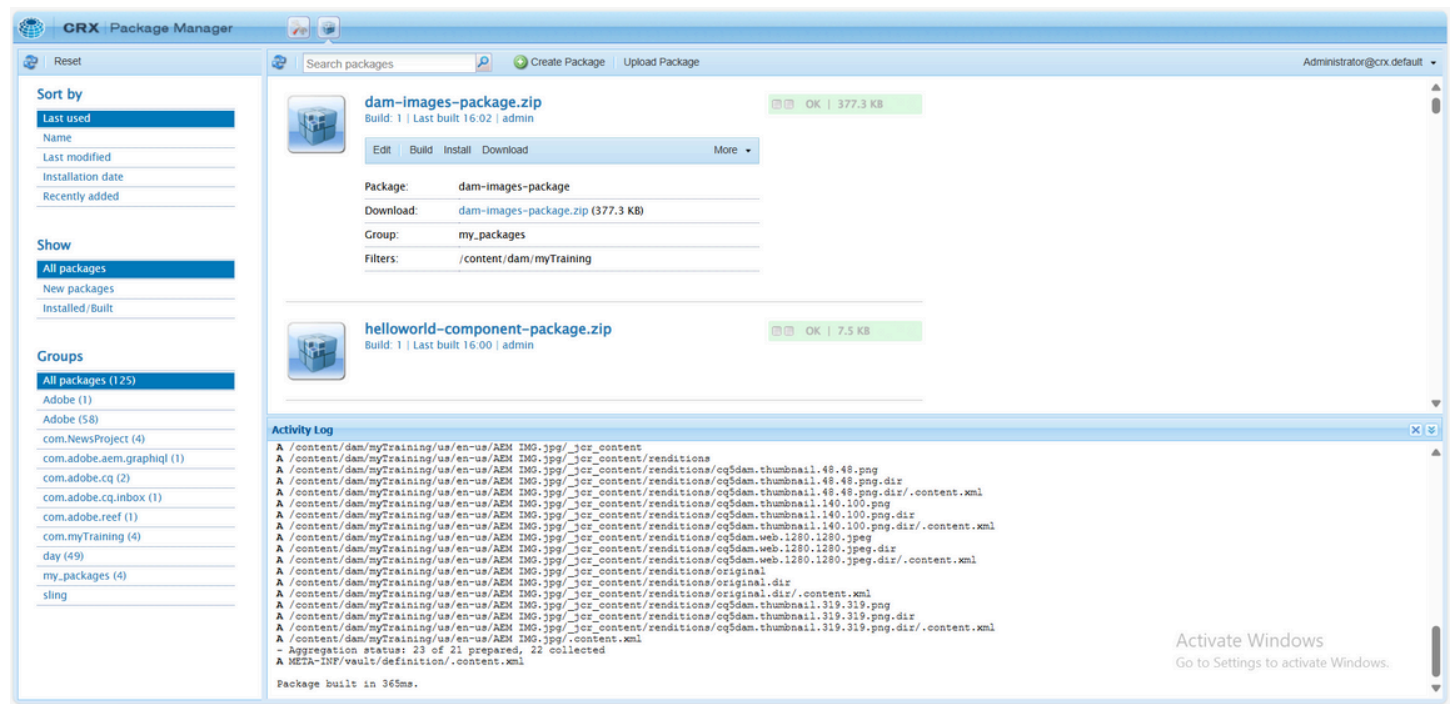
5) Give try using @ValueMapValue annotation on HelloWorldModel sling java model "com.myTraining.core.models.HelloWorldModel"

6)Why we are using package manager and jar, create package for the hello world component and 2 images what we have uploaded there should be 2 packages 1 for dam which is images and 2 one is for helloworld component.

In Adobe Experience Manager (AEM), both Package Manager and JAR files play crucial roles in development and deployment. The CRX Package Manager is used to package, install, and deploy AEM content, including components, templates, configurations, and assets. It allows easy content migration between environments, making it essential for backup, versioning, and replication. On the other hand, JAR files are used for running AEM itself (cq-quickstart.jar) and for custom OSGi bundles containing Java logic. These JARs help in modular development by packaging Java classes, services, and OSGi components. While Package Manager is primarily used for content and configuration management, JAR files are essential for backend logic and system execution, ensuring seamless functionality within AEM.

7)Configure replication agent and publish the page from author to publish env(4502(author)—>4503(publish))

Default Agent (publish)

Agent that replicates to the default publish instance.

Agent is **enabled**. Replicating to **http://host:port/bin/receive?sling:authRequestLogin=1**

Queue is **idle**

View log

Test Connection

Settings Edit

Replication Queue

Refresh Clear Force Retry Pause

	Time	Type	User	Size	Path
1	2025-03-30 15:11:23	Activate	admin	4 kb	/content/myTraining/us/en/home
2	2025-03-30 15:11:23	Activate	admin	1 kb	/conf/myTraining/settings/wcm/policies/myTraining/c
3	2025-03-30 15:11:23	Activate	admin	1 kb	/conf/myTraining/settings/wcm/policies/myTraining/c
4	2025-03-30 15:11:23	Activate	admin	1 kb	/conf/myTraining/settings/wcm/policies/myTraining/c
5	2025-03-30 15:11:23	Activate	admin	890	/conf/myTraining/settings/wcm/policies/myTraining/c
6	2025-03-30 15:11:23	Activate	admin	854	/conf/myTraining/settings/wcm/policies/myTraining/c
7	2025-03-30 15:11:23	Activate	admin	843	/conf/myTraining/settings/wcm/policies/myTraining/c
8	2025-03-30 15:11:23	Activate	admin	843	/conf/myTraining/settings/wcm/policies/myTraining/c
9	2025-03-30 15:11:23	Activate	admin	966	/conf/myTraining/settings/wcm/policies/myTraining/c
10	2025-03-30 15:11:23	Activate	admin	2 kb	/conf/myTraining/settings/wcm/policies/myTraining/c
11	2025-03-30 15:11:23	Activate	admin	807	/conf/myTraining/settings/wcm/policies/myTraining/c
12	2025-03-30 15:11:23	Activate	admin	747	/conf/myTraining/settings/wcm/policies/myTraining/c
13	2025-03-30 15:11:23	Activate	admin	2 kb	/conf/myTraining/settings/wcm/policies/myTraining/c

Replication test to http://4503:port/bin/receive? sling:authRequestLogin=1

```
2025-03-30 15:16:42 - Create new HttpClient for Default Agent
2025-03-30 15:16:42 - * Auth User: admin
2025-03-30 15:16:42 - * HTTP Version: 1.1
2025-03-30 15:16:42 - * Connect Timeout: 900000
2025-03-30 15:16:42 - * Socket Timeout: 900000
```

▤ Site ⌄ en ⌄ ☑ Select All ‖‖ ⌄

By enabling the front-end pipeline you can manage the front-end code of the site (Javascript and CSS) independently from the full stack code.

(Enable Front End Pipeline)

Me
-me

ct Me
:t-me

Title	Home
Name	home
Template	Content Page
Modified	2 hours ago
Modified By	Administrator
Page Title	Welcome to the page
Language	English
Published	10 minutes ago
Published By	Administrator

Publication Pending.
#24 in the queue.

Activate Windows
Go to Settings to activate Windows.