

1.What is DAM and why we use it?

DAM:

DAM (Digital Asset Management) in AEM is a system used to store, manage, and deliver digital assets such as images, videos, documents, and other media files efficiently.

In AEM, DAM is located under:

 /content/dam

Uses:

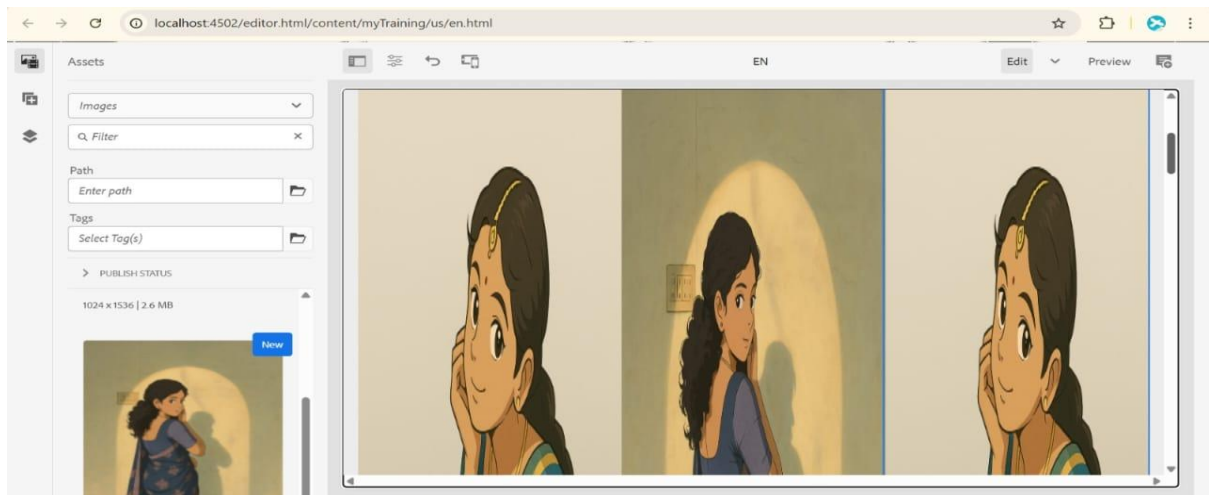
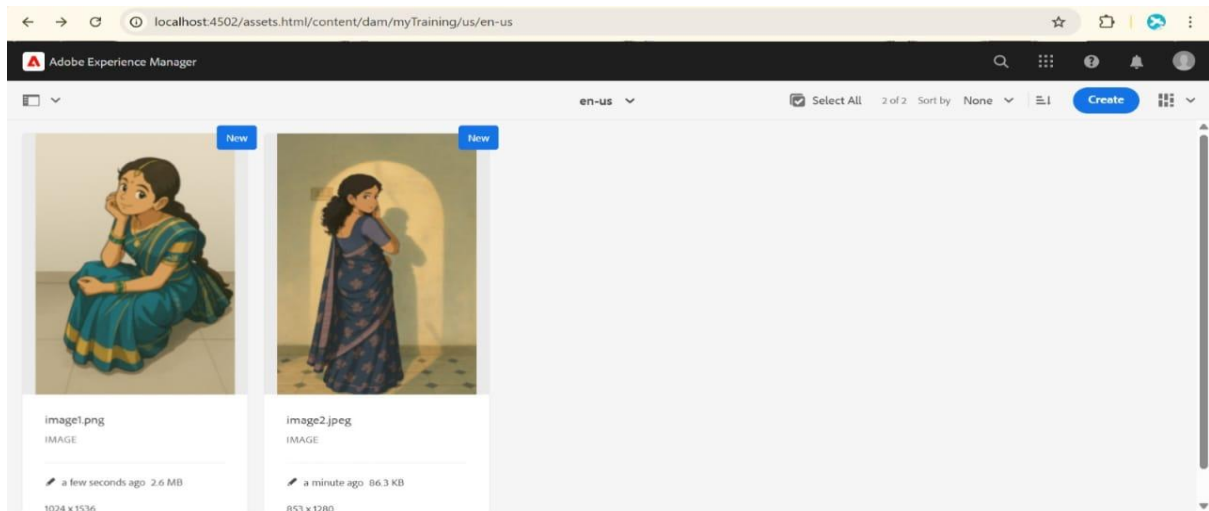
DAM provides centralized storage for digital assets, making them easy to access, manage, and distribute across different AEM pages and applications.

- ❖ **Organized Storage** – Keeps images, videos, and documents structured in folders.
- ❖ **Version Control** – Keeps track of asset modifications.
- ❖ **Metadata Management** – Adds metadata (title, tags, description) for searchability.
- ❖ **Efficient Delivery** – Optimizes assets for faster page load times.
- ❖ **Permissions & Security** – Controls who can access or modify assets.
- ❖ **Asset Workflows** – Supports approval and publishing workflows for assets.

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.

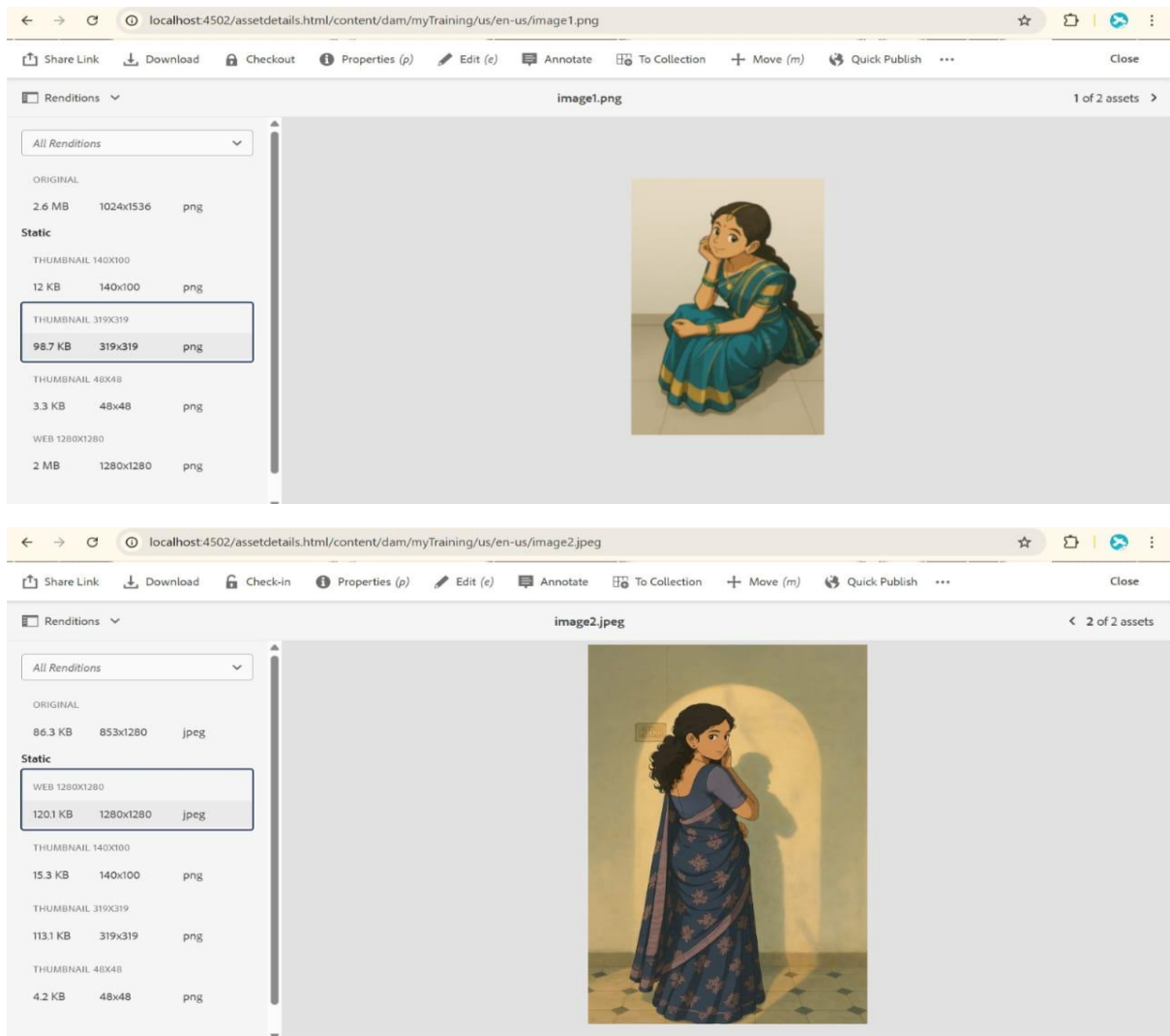
1. Navigate to DAM console: <http://localhost:4502/assets.html/content/dam>.
2. Create a folder inside /content/dam/.
3. Upload two images into us/en-us.
4. Author images using the Image Component on a page
 - ❖ Drag & drop the Image Component, select images from DAM, and save the page.
 - ❖ Publish the assets and page to make them available on the published site.



3. What is renditions? Check the renditions for 2 images which we had uploaded

Renditions are automatically generated variations of an image in different sizes and formats when uploaded to AEM DAM. They help optimize performance and ensure images fit different layouts and devices.

- ❖ Navigate to Assets → Files → **/content/dam/myTraining/us/en-us**.
- ❖ Click on one of the uploaded images and check for renditions.



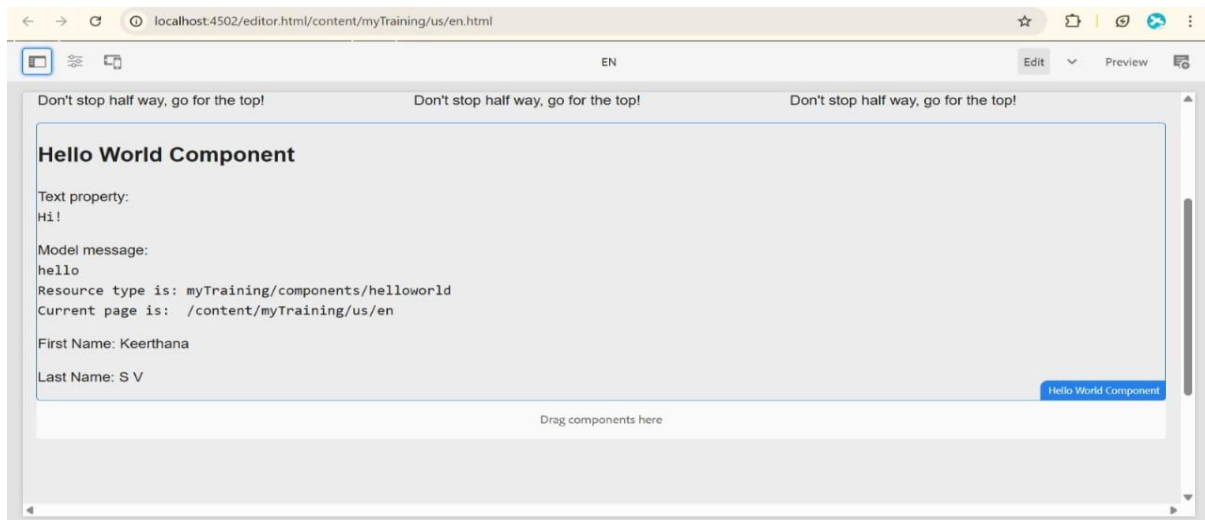
4. Add two fields in hello world component with name First Name and Last Name and print the values on hello world.html component using properties.

1. Open CRXDE Lite: <http://localhost:4502/crx/de/>
2. Navigate to apps/mytraining/components/helloworld.
3. Add firstName and lastName fields in cq:dialog.
4. Print values in helloWorld.html using properties.
5. Rebuild it using 'mvn clean install -PautoInstallSinglePackage -DskipTests'.

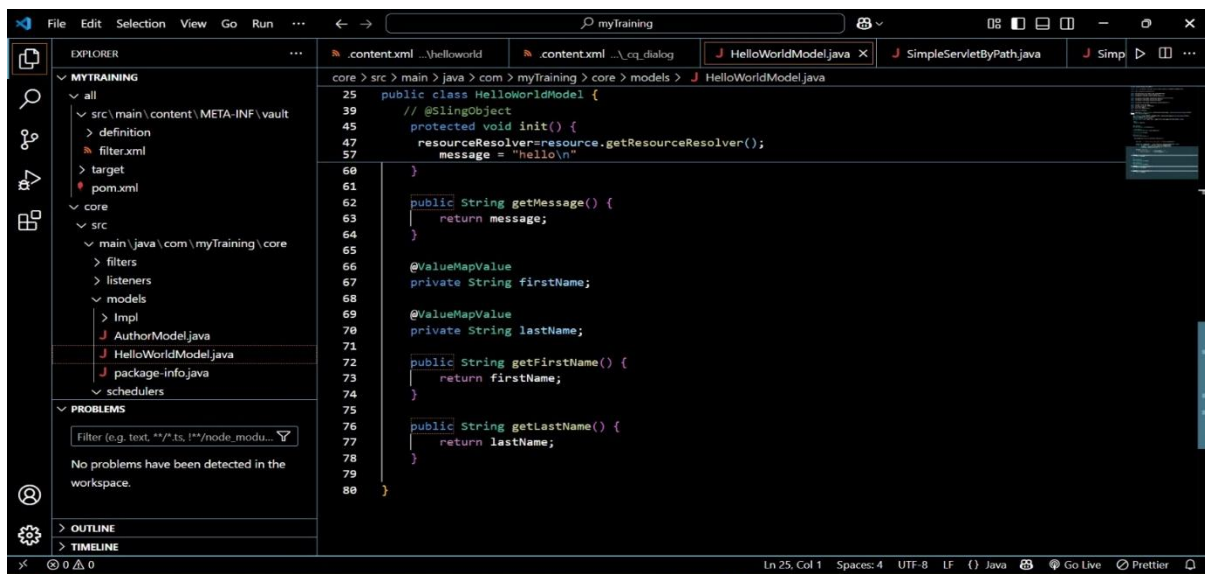
Code Snippet:

```
<p>First Name: ${properties.firstName}</p>
```

<p>Last Name: \${properties.lastName}</p>



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 dam and Configure replication agent and publish the page from author to publish env(4502(author)->4503(publish)).

- **Package Manager** is used to create, install, and distribute AEM content, including components, templates, and DAM assets.

- **JAR Files** help bundle and deploy Java classes (e.g., Sling Models, Servlets) as part of the AEM application.

