

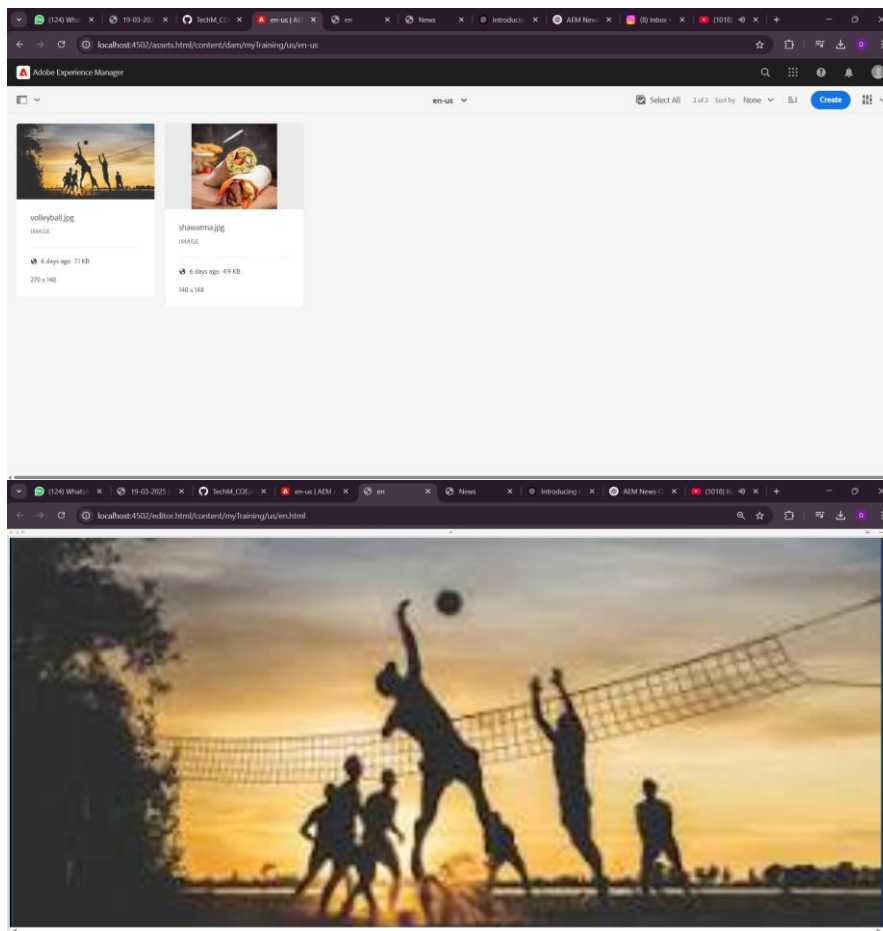
1. What is DAM and Why Do We Use It?

Digital Asset Management (DAM) in AEM is used to store, manage, and deliver digital assets like images, videos, and documents.

- It provides centralized storage for assets.
- Helps in version control and metadata management.
- Allows easy search and retrieval of assets.
- Enables renditions (automatic resizing and format conversion).

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 automatically generated versions of an image with different sizes and formats

The screenshot displays two instances of the Adobe Experience Manager (AEM) interface, showing the 'Renditions' panel for two different assets.

Top Screenshot (volleyball.jpg):

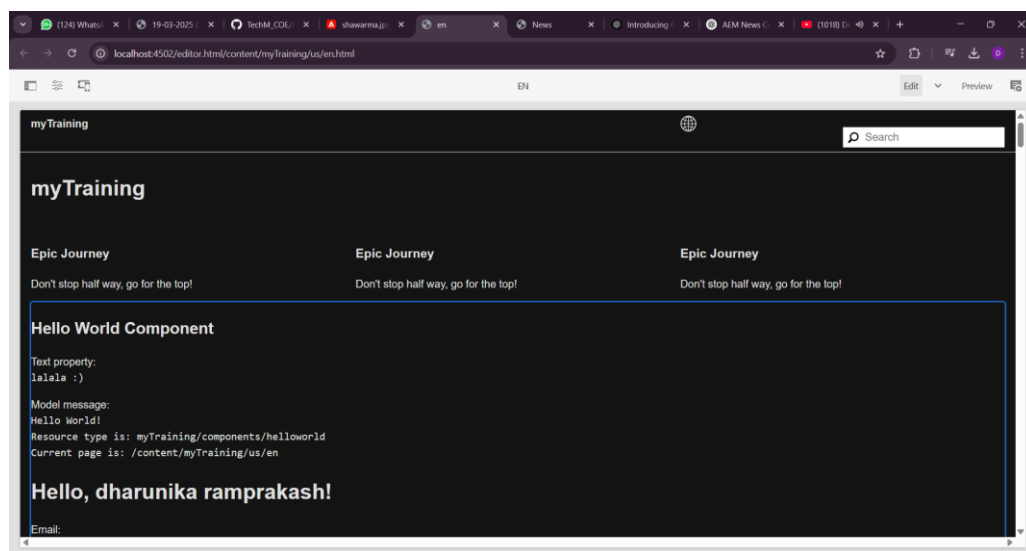
- Asset Name:** volleyball.jpg
- Asset Count:** 1 of 2 assets
- Renditions List:**
 - ORIGINAL:** 71 KB, 270x148, jpg
 - Static:**
 - WEB 1280x1280:** 10.6 KB, 1280x1280, jpeg (Selected)
 - THUMBNAIL 140x100:** 26.9 KB, 140x100, png
 - THUMBNAIL 319x319:** 78 KB, 319x319, png
 - THUMBNAIL 48x48:** 3.7 KB, 48x48, png

Bottom Screenshot (shawarma.jpg):

- Asset Name:** shawarma.jpg
- Asset Count:** 2 of 2 assets
- Renditions List:**
 - ORIGINAL:** 4.9 KB, 148x148, jpg
 - Static:**
 - WEB 1280x1280:** 7.4 KB, 1280x1280, jpeg (Selected)
 - THUMBNAIL 140x100:** 28.3 KB, 140x100, png
 - THUMBNAIL 319x319:** 51.6 KB, 319x319, png
 - THUMBNAIL 48x48:** 71 KB, 48x48, png

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

The screenshot shows the 'Properties' panel in the SAP Fiori design tool. It contains three input fields: 'Text' with the value 'lalala :)', 'First Name' with the value 'dharunika', and 'Last Name' with the value 'ramprakash'.



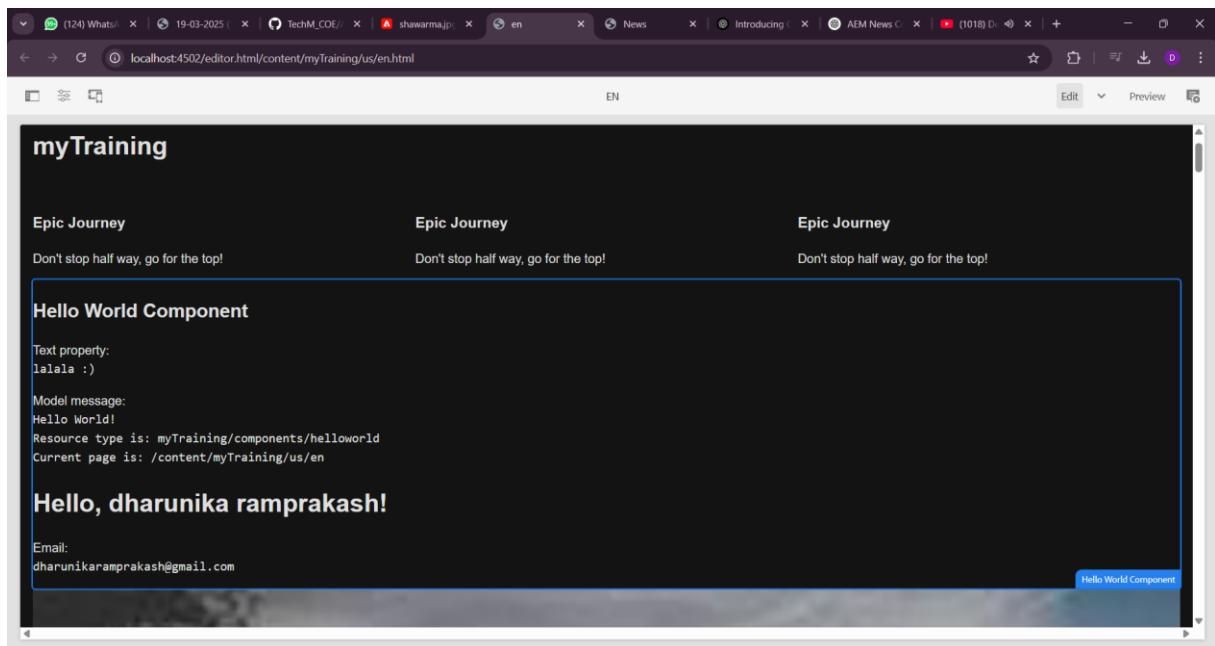
5. Give try using **@ValueMapValue** annotation on **HelloWorldModel** sling java model "com.myTraining.core.models.HelloWorldModel"

```
@Model(adaptables = Resource.class, defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)
public class HelloWorldModel {

    @ValueMapValue(name = PROPERTY_RESOURCE_TYPE)
    @Default(values = "No resourceType")
    protected String resourceType;

    @ValueMapValue
    private String firstName;

    @ValueMapValue
    private String lastName;
```



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.

AEM's Package Manager helps in exporting, transferring, and deploying content and code between AEM instances.

1. Content Migration → Move assets, components, or configurations from one AEM instance to another.
2. Backup & Restore → Store a package as a backup and reinstall if needed.
3. Deployment & Versioning → Packages help in structured and controlled deployment of code and assets.



HelloWorld_Package.zip

Build: 1 | Last installed 15:08 | admin

OK | 7.7 KB

Edit Build Reinstall Download More

Package: HelloWorld_Package

Download: HelloWorld_Package.zip (7.7 KB)

Group: com.assignment

Filters: /apps/assignment/components/helloworld
/apps/assignment/templates



DAM_Package.zip

Build: 2 | Last installed 15:06 | admin

OK | 4.9 KB

Edit Build Reinstall Download More

Package: DAM_Package

Download: DAM_Package.zip (4.9 KB)

Group: com.assignment

Filters: /content/dam/myTraining/us/en-us

7. Configure Replication Agent and Publish Page Steps to Configure Replication Agent:

1. Open <http://localhost:4502/etc/replication/agents.author.html>.

2. Click Default Agent (Publish).

3. Under Settings:

- o Enable it by checking the Enabled option.
- o Set Transport URI to <http://localhost:4503/bin/receive>.
- o Click Test Connection and ensure it is successful.

Steps to Publish Page from Author to Publish:

1. Open <http://localhost:4502/sites.html>.
2. Navigate to the page where you added the image component.
3. Click Publish → Publish Page.
4. Open <http://localhost:4503/sites.html> (AEM Publish instance).
5. Verify that the page is available in the Publish environment.

