**Digital Asset Management (DAM)** in AEM is a system for storing, organizing, and managing digital files like images, videos, and documents. It supports version control, metadata tagging, and efficient retrieval—making it easy for content authors to manage media assets effectively.

**📁 Create a Folder and Upload Images**

**Steps**:

1. Go to the path: /content/dam/myTraining/us/en-us.
2. Create a new folder within this directory.
3. Upload two image files to the folder.
4. Add these images to a page using the **Image Component**.

**🖼️ What are Renditions?**

**Renditions** are automatically generated image variants that AEM creates when an asset is uploaded to DAM. They are optimized for various screen resolutions and device types to enhance performance and responsiveness.

**How to View Renditions**:

1. Navigate to the uploaded image in DAM.
2. Click on it, then go to the **"Renditions"** tab to view all available image variations.

**🧩 Modify HelloWorld Component to Add Fields**

**Goal**: Add fields for FirstName and LastName, and display them on the component.

**1. Update the Component HTML (HelloWorld.html):**

html

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<div>

<h2>Welcome, ${properties.firstName} ${properties.lastName}</h2>

</div>

**2. Update Dialog Configuration (\_cq\_dialog.xml):**

xml

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<items jcr:primaryType="nt:unstructured">

<firstName

jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textfield"

fieldLabel="First Name"

name="./firstName"/>

<lastName

jcr:primaryType="nt:unstructured"

sling:resourceType="granite/ui/components/coral/foundation/form/textfield"

fieldLabel="Last Name"

name="./lastName"/>

</items>

**3. Update Sling Model (HelloWorldModel.java):**

Use @ValueMapValue to access the new fields:

java

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@ValueMapValue

private String firstName;

@ValueMapValue

private String lastName;

**📦 Why Use the Package Manager?**

The **Package Manager** in AEM is a tool used to create, install, and manage content packages. It simplifies deployment of components, assets, and configurations between different AEM environments (e.g., development, staging, production).

**📦 Create Packages**

**Steps**:

1. **Package 1**: Include the DAM folder and uploaded images.
2. **Package 2**: Include the HelloWorld component and related files.

**🔄 Configure Replication & Publish Page**

**Steps**:

1. Set up the **Replication Agent** in AEM to enable publishing.
2. Publish the page from the **Author instance (port 4502)** to the **Publish instance (port 4503)**.
3. 