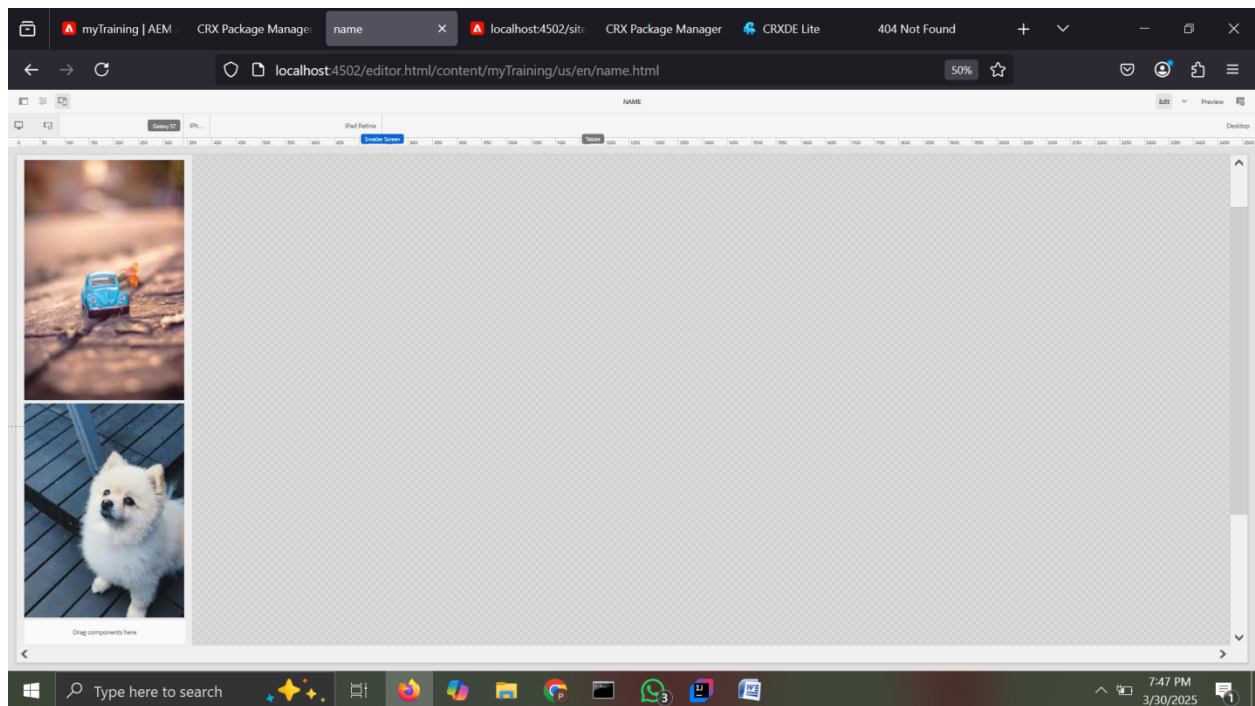Assignment – 19.03.2025

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

DAM (Digital Asset Management) is a system in AEM used to store, manage, and deliver digital assets (images, videos, PDFs, etc.).
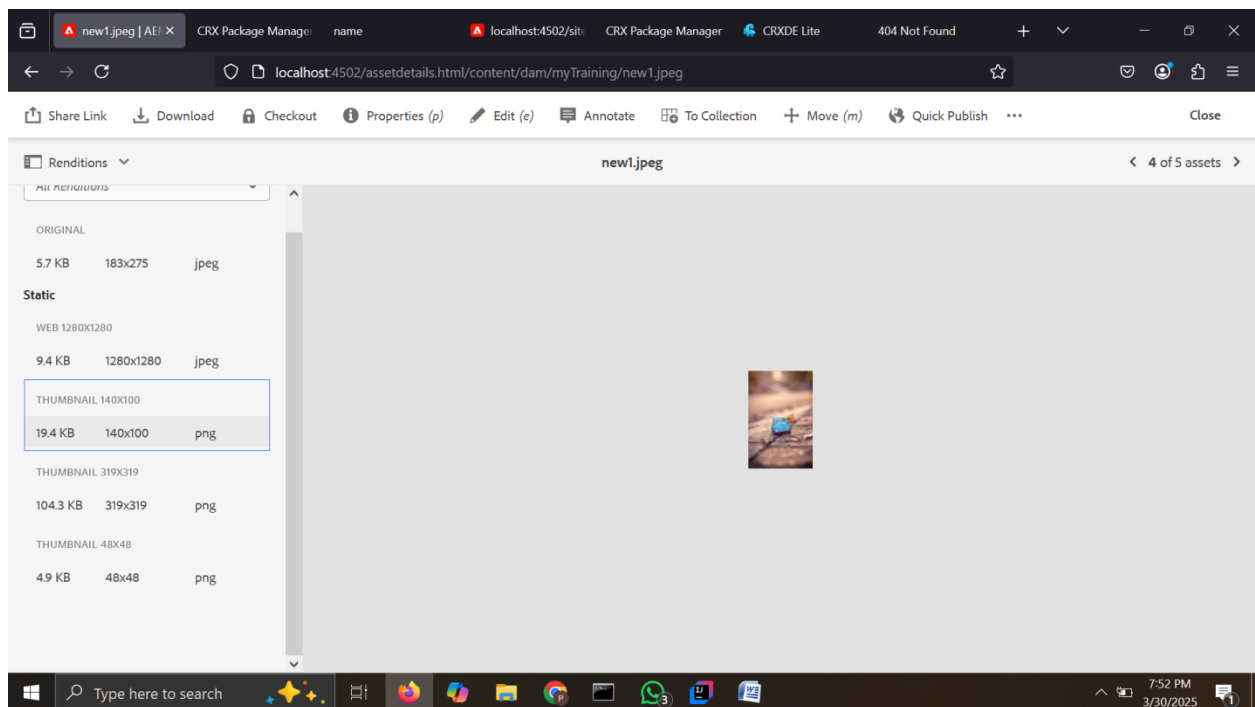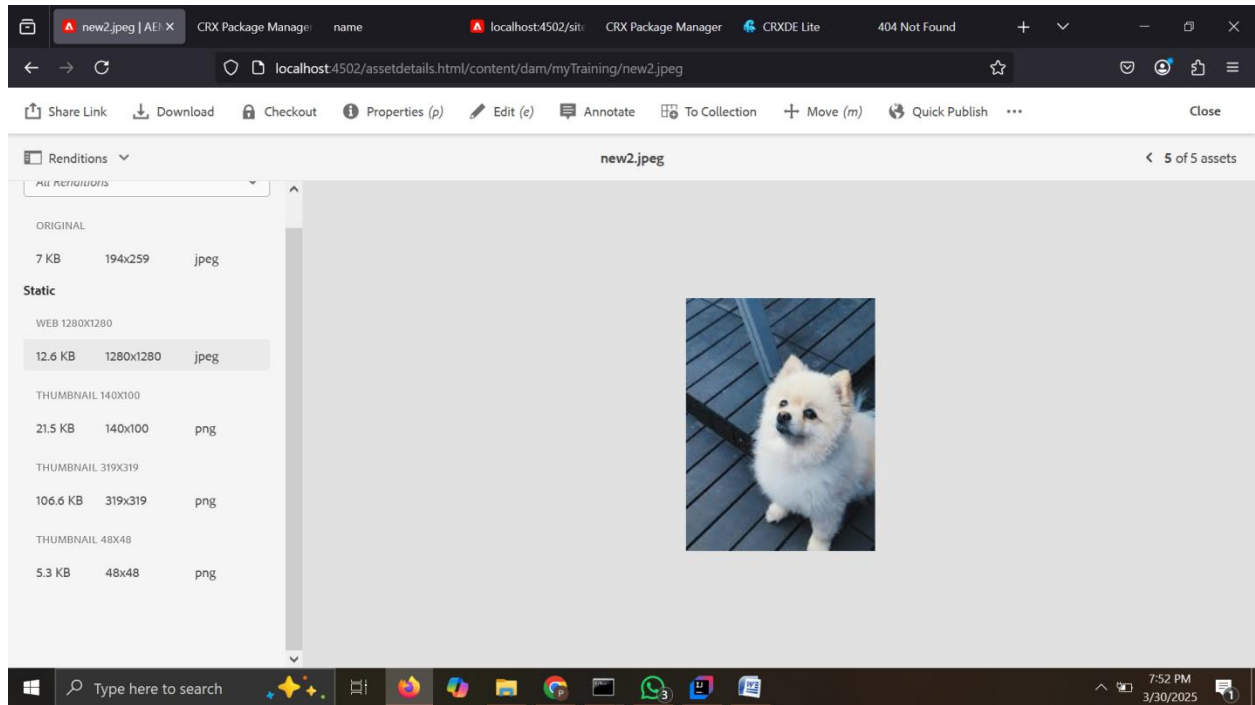
Why do we use DAM?

- Centralized storage of assets
- Version control for assets
- Automatic rendition generation
- Easy retrieval and usage of assets in web pages

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.
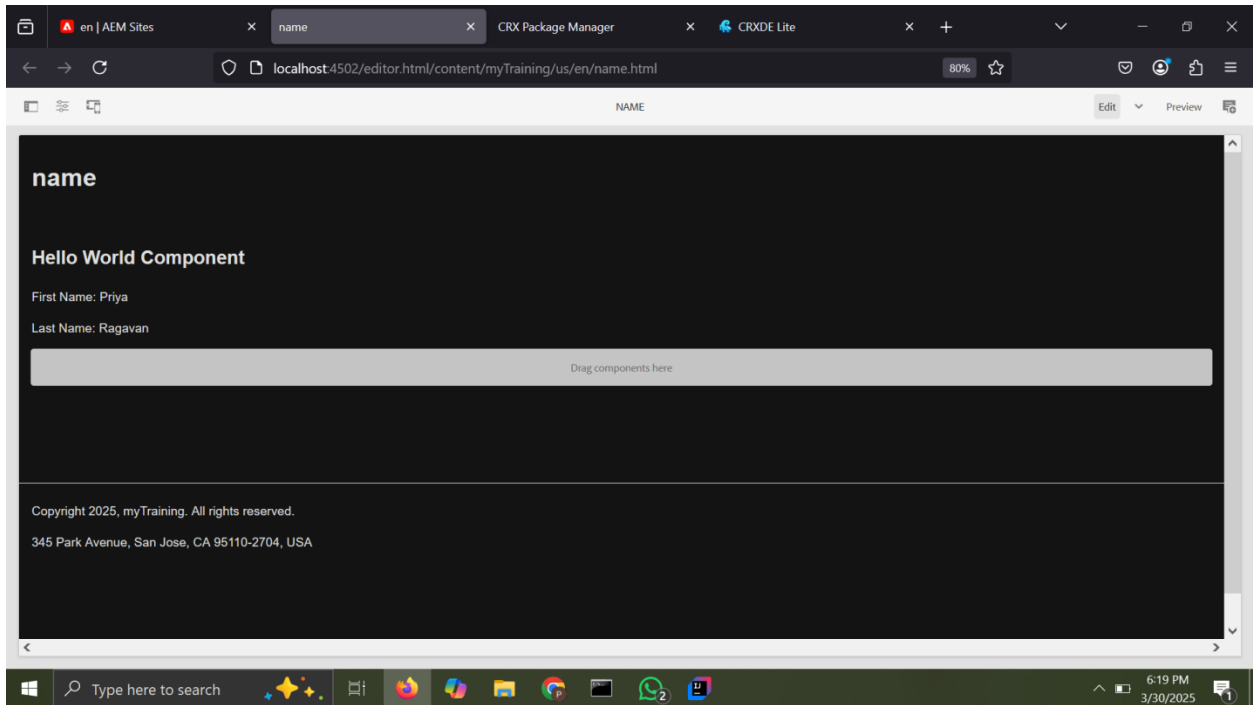

3 What is renditions? Check the renditions for 2 images which we had uploaded

Renditions are automatically generated variations of an image in different sizes and formats.
They help in delivering optimized images for different screen sizes.

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"

```java
package com.myTraining.core.models;

import org.apache.sling.api.resource.Resource;
import org.apache.sling.models.annotations.DefaultInjectionStrategy;
import org.apache.sling.models.annotations.Model;
import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

import javax.inject.Inject;

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

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

    @Inject
    @ValueMapValue
    private String firstName;

    @Inject
    @ValueMapValue
    private String lastName;

    public String getFirstName() {
        LOG.info("HelloWorldModel: Fetching First Name: {}", firstName);
        return firstName;
```
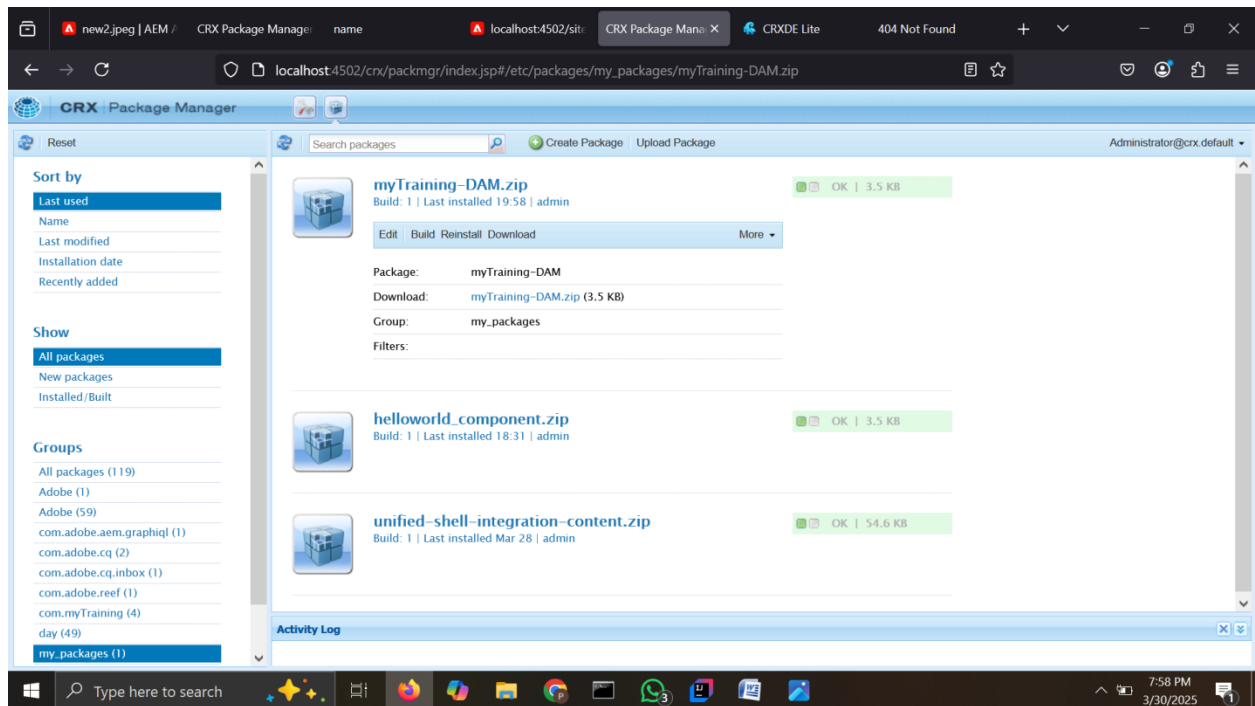
```
    }

    public String getLastName() {
        LOG.info("HelloWorldModel: Fetching Last Name: {}", lastName);
        return lastName;
    }
}
```

6.Why we are using package manager and jar create package for the hello world component and 2 images what we have uploaded

- Deploy and transfer content/components between AEM instances
- Backup and restore content
- Migrate projects across environments

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

AEM

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