AEM Training - Day 6 Assignment (25-03-2025)

Create a Custom Workflow (my custom workflow)

Description:

A custom workflow will be developed in AEM to handle specific tasks.

Steps:

- Navigate to **Tools > Workflow > Models** in AEM.

- Create a new workflow model named **my custom workflow**.

- Add workflow steps to process content.

- Save and activate the workflow.

Create a Custom Workflow Process to Print Page Title in Logs

Description:

An AEM Workflow Process step will be created to log page titles and metadata.

Steps:

- Develop a custom Workflow Process class.

- Extract the page title from the resource.

- Log the title and metadata in the AEM logs.

- Assign the workflow to a page and run it.

Code Snippet (CustomWorkflowProcess.java):

```
@Component(service = WorkflowProcess.class, immediate = true)

public class CustomWorkflowProcess implements WorkflowProcess {

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


    @Override

    public void execute(WorkItem workItem, WorkflowSession workflowSession, MetaDataMap
metaDataMap) throws WorkflowException {
```

```
        String pageTitle = workItem.getWorkflowData().getPayload().toString();

        LOG.info("Processing page: " + pageTitle);

    }

}
```

Create an Event Handler in AEM to Print Resource Path in Logs

Description:

An AEM Event Listener will be created to log resource changes.

Steps:

- Create an OSGi Event Listener.

- Listen for resource added, modified, or deleted events.

- Log the resource path in AEM logs.

Code Snippet (EventHandler.java):

```
@Component(service = EventHandler.class)

public class CustomEventHandler implements EventHandler {

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


    @Override

    public void handleEvent(Event event) {

        LOG.info("Resource changed: " + event.getProperty("path"));

    }

}
```

Create a Sling Job to Print "Hello World" in Logs

Description:

A Sling Job will be scheduled to log a simple message.

Steps:

- Develop a Sling Job class.

- Log the "Hello World" message.

- Trigger the job manually or programmatically.

Code Snippet (SlingJob.java):

```java
@Component(service = JobConsumer.class, immediate = true, property =
{JobConsumer.PROPERTY_TOPICS + "=com/gautam/hello"})

public class HelloWorldJob implements JobConsumer {

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


    @Override

    public JobResult process(Job job) {

        LOG.info("Hello World from Sling Job");

        return JobResult.OK;

    }

}
```

Create a Scheduler to Print "Hello World" in Logs Every 5 Minutes
Description:
An AEM Scheduler will log a message at regular intervals using a cron expression.
Steps:

- Create a Scheduler using OSGi configuration.

- Set a cron job to run every 5 minutes.

- Log the "Hello World" message.

Code Snippet (Scheduler.java):

```java
@Component(service = Runnable.class, immediate = true, property = {

    "scheduler.expression=0 */5 * * * ?"

})

public class HelloWorldScheduler implements Runnable {
```

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


@Override

public void run() {

   LOG.info("Hello World");

}

}
```

Create 3 Users and Add Them to a Group with Read and Replication Access
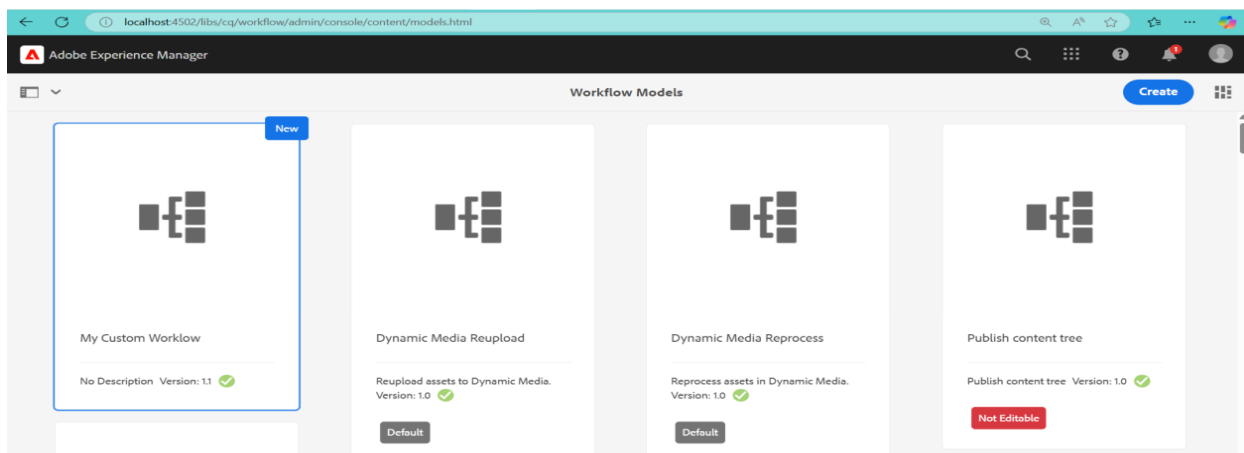**Description:**
Three users will be created and added to a group with specific permissions.
Steps:

- Navigate to **Tools > Security > Users**.

- Create three users: **user1**, **user2**, **user3**.

- Navigate to **Groups** and create a new group **Dev Author**.

- Add all three users to the **Dev Author** group.

- Assign **read-only** access to **/content** and **/dam**.

- Grant **replication** access to the group.

Screenshots:

MY CUSTOM WORKLOW

Sync

Flow Start

Step 1

Workflow Process

Drag components here

Flow End

Adobe Experience Manager

User Management

Select All | Create

	NAME	LOGIN NAME	STATUS	JOB TITLE	PUBLISHED
☐ ⚙	user-reader-service	user-reader-service	Enabled	N/A	Not Published
☐ 👤	user1	user1	Enabled	N/A	Not Published
☐ 👤	user2	user2	Enabled	N/A	Not Published
☐ 👤	user3	user3	Enabled	N/A	Not Published

Edit Group Settings For Dev Authors

Cancel | Save & Close

🌐 Activate   ♻ Deactivate

Details   **Members**

Add Members to this Group

Select User or Group

Type User or Group Name

Group Members

👤	user1	✕
👤	user2	✕
👤	user3	✕