



# Adobe Experience Manager

## ▶ Testing

- ▶ Definition
- ▶ Importance of Testing

## ▶ Types of Testing

- ▶ Different Types of testing
- ▶ Eg: Black Box testing, White Box testing

## ▶ Manual and Automation

- ▶ Definition
- ▶ Automation Tools

## ▶ AEM

- ▶ Overview of AEM.
- ▶ Pre-requisites of AEM Development
- ▶ AEM History from Day CQ to AEM as cloud
- ▶ Technology Stack –Basics
- ▶ Technology Stack –Java Content Repository
- ▶ Technology Stack –Apache Sling
- ▶ Technology Stack –Granite Platform
- ▶ Demo -: AEM Walkthrough over various consoles
- ▶ Demo -: AEM Sites, Assets, Forms, Screens
- ▶ AEM Environments –Author, Publish overview

## ▶ Installation

- ▶ Prerequisite -: JDK, Apache maven
- ▶ Exercise -: Installation of Author and Publish Instances
- ▶ Demo -: AEM Folder Structure
- ▶ Demo -: Authoring and Publish(Replication) demo
- ▶ Modes of AEM -Classic UI vs Touch UI.

## ▶ Authoring Basics

- ▶ WCM Modes.
- ▶ Exercise -Creating Pages
- ▶ Exercise -Editing Pages
- ▶ Exercise -Use of OOTB components
- ▶ Replication/Publishing content
- ▶ Exercise -AEM Site Creation

## ▶ Developer Tools

- ▶ The Web Console
- ▶ CRXDE Lite
- ▶ Package manager -Working with Packages
- ▶ Package share
- ▶ IDE (Eclipse, IntelliJ) –brief (details later).
- ▶ Exercise –Create and install packages.

## ▶ Introduction to Content Rendering

- ▶ Folder structure of the repository
- ▶ Exercise –Create the project structure in /apps
- ▶ Page rendering components
- ▶ Exercise –Create a page rendering component
- ▶ Exercise –Create content to be rendered
- ▶ Sling Framework in depth.
- ▶ Understanding the sling resolution process
- ▶ Basic steps of processing requests
- ▶ Decomposing the URL
- ▶ Mapping requests to resources
- ▶ Locating and rendering scripts
- ▶ Exercise –Basic Sling resource resolution and mapping to a rendering script/files
- ▶ Exercise –Selector Manipulation

## ▶ Templates –Only Static template

- ▶ What is a template
- ▶ Properties of a template
- ▶ Exercise –Create a template
- ▶ Exercise –Test the contentpage template
- ▶ Exercise –Restrict Template use
- ▶ Exercise –Add content structure to the Template
- ▶ Creating the Website Structure
- ▶ Exercise –Create the pages for the site.

## ▶ Inheritance

- ▶ Inheriting components
- ▶ Types of hierarchies
- ▶ Use of sling: resource Super Type property
- ▶ Exercise –to understand inheritance

## ▶ Sightly –Introduction

- ▶ Working with slightly
- ▶ Slightly syntax
- ▶ Page-rendering scripts
- ▶ Use APIs to display basic page content
- ▶ Modularize the page component
- ▶ Exercise –Render basic page content
- ▶ Modularize the contentpage component

## ▶ Component dialogs

- ▶ Exercise -create title component with dialog.
- ▶ Exercise –read dialog properties into page.
- ▶ Exercise –use of edit Config to enhance component

## ▶ **Creating complex components**

- ▶ Exercise -create top navigation component with dialog.
- ▶ Intro to helper code –WCMUsePojo, Sling Models, Use API
- ▶ Exercise -create a text image component
- ▶ Logging

## ▶ **Advance Sling functionality**

- ▶ Sling selectors
- ▶ Overlays and Sling Resource Merger
- ▶ Difference between overlay and override
- ▶ Sling redirect

## ▶ **OSGI Services, Components, Servlets**

- ▶ Creation of Services in AEM 6.5.
- ▶ Configurations, deployment, Reusability –OSGI console
- ▶ Integrating Services in Sightly.

## ▶ **Editable Templates**

- ▶ Editable Templates in AEM.
- ▶ Structure vs Initial
- ▶ Exercise -Creating Editable template.
- ▶ Template Type creation.

## ▶ **Properties, Policies etc**

- ▶ Demo of creating Editable template.
- ▶ Template Type creation.

## ▶ **Content Fragment**

- ▶ Content Fragment in AEM.
- ▶ Creation and configuration of Experience fragments.
- ▶ Practical.

## ▶ **Experience Fragment**

- ▶ Experience Fragment in AEM.
- ▶ Creation and configuration of Experience fragments.
- ▶ Practical.

## ▶ **Multi Site Manager**

- ▶ Experience Fragment in AEM.
- ▶ Creation and configuration of Experience fragments.
- ▶ Practical.

## ▶ **Workflows**

- ▶ Workflow overview with OOTB.
- ▶ Creation of sample workflow.
- ▶ Asset workflow walkthrough.

## ▶ **Workflows**

- ▶ Creation of Custom workflow
- ▶ Custom Process Step and Dynamic Participant step creation.
- ▶ Practical on Custom Workflow

## ▶ **Schedulers**

- ▶ Schedulers in AEM.
- ▶ Overview and configuration of schedulers in AEM.
- ▶ Practical –Sample Scheduler creation.

## ▶ **Sling Model Exporter**

- ▶ Overview Sling Model Exporter (Jackson)
- ▶ Different configuration for sling model exporter
- ▶ Practical –Sling Model Exporter.



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