View layer/Presentation. – JSP, HTML (Sightly – Templating language)

Application/Business layer – JCR API, Sling API

Physical layer – CRX (Repo)

JCR – all the content is nodes

Sling – all the content is resources

OSGi – Open service gateway initiative

Coral & Granite UI

The old versions of AEM interfaces are developed using EXT JS

Developers

Authors – authors the pages

Page ready 🡪 Activate 🡪 Reviewers 🡪 Inbox 🡪 Approve 🡪 Publish

JAR 🡪 BUNDLE

BUNDLE = JAR + Life Cycle

JAR + Metadata = Bundle

Start

Stop

Pause

Configurations

/apps

/etc

/content

/content(/.\*)?

Sling maps the requested URL to the resource in the repo

YES its available – Go and process the resource

NO, its unavailable – Return 404

JCR 🡪 node

AEM Projects

Manual - bad practice

Automate - Maven archetypes

mvn generate archetype

simple content package archetype - apps, etc

multi-module content package archetype - apps, etc, content, core

blueprints - apps, etc, core, content, test,

lazy bones

Content Package - /apps, /etc, /content

Content Package - /apps, /etc, /content

Bundle - Java classes

Content Package - /apps, /etc, /content

Bundle

Testcases

configs

mvn org.apache.maven.plugins:maven-archetype-plugin:2.4:generate -DarchetypeGroupId=com.adobe.granite.archetypes -DarchetypeArtifactId=aem-project-archetype -DarchetypeVersion=13 -DarchetypeCatalog=https://repo.adobe.com/nexus/content/groups/public/

artifacts jar

archetype jar -DarchetypeGroupId=com.adobe.granite.archetypes -DarchetypeArtifactId=aem-project-archetype -DarchetypeVersion=13 -DarchetypeCatalog=https://repo.adobe.com/nexus/content/groups/public/

**Dialog**

Its an interface between the author and web page. It allows you to configure the component.

The dialog data can be retrieved using properties object.

JSP: properties.get(“propertyName”, “Title”);

Sightly Syntax: ${properties.propertyName} EX: ${properties.title} ValueMap reference

The dialog data will be stored under /content

Its page level

**Design Dialog**

Design dialog is similar to dialog. It is also used to configure the component but in design mode.

${currentStyle.propertyName}

The design dialog data will be stored under /etc/designs or in specified design path

It is template level.

20 pages

10 pages – Single column with carousel – Template A

10 pages – Single column without carousel – Template B

**classic**

name = ./title

fieldLabel = Title

xtype = textfield

cq:widget

**touch ui**

name = .title

fiedlLabel = Title

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

nt:unstructured

**classic dialog**

textfield

pathfield

selection

radio

checkbox

fileupload

multifield

https://helpx.adobe.com/experience-manager/6-3/sites/developing/using/reference-materials/widgets-api/index.html

**touch dialog**

granite/ui/components/foundation/form/textfield

granite/ui/components/foundation/form/pathbrowser

https://helpx.adobe.com/experience-manager/6-3/sites/developing/using/reference-materials/granite-ui/api/jcr\_root/libs/granite/ui/components/coral/foundation/server.html