What is the purpose of the core module in AEM?

The core module in AEM handles the backend logic, including business logic, services, servlets, and OSGi components. It's where the essential functionality of your application is implemented.

What kind of files and code can be found in the core folder?

🡪Java Classes.

🡪OSGi Components.

🡪 Servlets.

🡪 Utility Classes.

🡪Unit tests.

These files are responsible for the essential backend functionality of our AEM application.

Explain the role of ui.apps in AEM projects.

It is responsible for the front end logics of the application which build on the environment.

🡪 Components.

🡪 Templates.

🡪 Client Libraries.

These are the files inside the ui.apps folder.

How are components structured in the ui.apps folder?

🡪Component Folder

🡪Component SubFoloder

🡪 HTML files.

🡪 CSS files.

🡪 JS files.

🡪 Sling Model files.

**Hello World Component:**

Where is the Hello World component located in both core and ui.apps?

CORE : C:\TECHMTRAINING\myTraining\myTraining\core\src\main\java\com\myTraining\core\models

Ui.apps :C:\TECHMTRAINING\myTraining\myTraining\ui.apps\src\main\content\jcr\_root\apps\myTraining\components\helloworld

* Explain the Java class (in core) for the Hello World component.

The java class file in core module in the project serves as the backend logic handler. It also consists of the packages from the sling modules.

* How does the HTL script work in ui.apps for Hello World?

This file in the ui.apps module for the Hello World component works to render

Front end output.

* How are properties and dialogs defined for this component?

Properties and Dialogs for the Hello World Component are defined by using XML

Files(POM.XML) and java annotations(@SERVELET).

What are the different types of AEM modules (core, ui.apps, ui.content, etc.)?

1.Core module.

2.ui.appsModule.

3.ui.contentModule.

4.ui.configModule.

5.ui.testsModule.

6.ui.structureModule.

How does Maven build these modules?

“mvn clean install” is one of the major commands to build those modules.

Explain the build lifecycle of Maven in the context of AEM.

1.validate

2.compile

3.test

4.verify

5.install

6.deploy.

How are dependencies managed in pom.xml?

Dependency is consisted with the group ID , artifact ID and version.

These are written within the special tag i.e., <dependency></dependency> in the pom.XML file.

Why is Maven used instead of other build tools?

🡪Dependency management.

🡪Integration.

🡪Standardization.

🡪Build automation.

These are the some main reasons to use Maven instead of other tools

What advantages does Maven offer for AEM development?

🡪Dependency management.

🡪Integration.

🡪Standardization.

🡪Build automation.

How does Maven help in managing dependencies and plugins in AEM projects?

🡪Dependencies are declared in the pom.XML file under the special tag <dependencies>.

🡪Plugins are also declared in the pom.XML file under the <build> section.

What does mvn clean install do in an AEM project?

🡪mvn clean install is used to remove the previously installed artifacts on the targeted folder.

🡪It should also helps to clean build and prepare the AEM project.

How to deploy packages directly to AEM using Maven commands?

1.Add content package Maven Plugin to the pom.XML

2.Configure the AEM server in the pom.XML

3.use the maven command mvn clean package -PautoInstallPackage.

Explain the purpose of different Maven profiles in AEM (autoInstallPackage, autoInstallBundle).

1.autoInstallPackage : It is used to automatically build the content package to AEM.

2.autoInstallBundle : It is used to automatically build and deploy OSGi bundles to AEM.

What is the purpose of dumplibs in AEM?

It is used to omanage and organise the client side libraries such as JavaScript and CSS file.

How can you view client libraries using dumplibs?

By using the Dumplibs Servlet we can easily view the client libraries.

Explain how client libraries are structured in AEM.

File Path of mytraining Projetct to know about the client libraries

C:\TECHMTRAINING\myTraining\myTraining\ui.apps\src\main\content\jcr\_root\apps\myTraining\clientlibs\clientlib-base