What is a packaging?

Includes jar and maven-plugin

TODO

What is a lifecycle?

TODO

How does one execute a lifecycle?

TODO

How many lifecycles are there?

3...default, clean, site

What is the default lifecycle?

TODO

Why multiple lifecycles?

To support the 3 main purposes of maven...1) building a project from source, 2) cleaning a project of files generated by a build, and 3) generating a project website.

What is a mojo?

Represents an atomic build task

What is mojo-binding?

A mapping between a lifecycle phase and a mojo.

Specifies a mojo to execute during a particular lifecycle phase.

How is a mojo associated with a phase?

Annotate it with the @phase annotation

What is the purpose of the @goal annotation?

Tells the plugin tools to treat the annotated class as a mojo

Do all mojos bound to a phase always execute?

No. Only mojos with work to do are invoked. For example, if there are non-code resources, the resources-plugin will detect this and decide to opt out of modifying the build.

Can more than one mojo’s be executed in a phase?

Yes

What is a phase?

Contained in a lifecycle.

Makes up a lifecycle (A lifecycle contains several phases).

TODO

How do you invoke a single phase?

You really can’t. Maven will execute all phases up until the phase you specify.

How do you specify the phase up to which you want a build to run?

What is a plugin?

A collection of related mojo’s

How do you bind a mojo to a build lifecycle?

Include the related plugin in the build (via pom.xml) and specify the mojo (goal) to execute.

Can you change the phase that a mojo gets executed in from the one specified in the @phase annotation?

TODO

What is the meaning of mvn clean?

TODO

Will the test phase be invoked if there are no tests?

No

Is there a way to force invocation of the test phase?

mvn test

How do I find out what goals a plugin has?

TODO

How do I list what plugins are available?

TODO

What variables does maven expose?

<http://docs.codehaus.org/display/MAVENUSER/MavenPropertiesGuide>

## Terms

Goal prefix

Maps to a plugin such that users can reference a goal easier, by using the plugin’s goal prefix then the goal. Plugin: maven-help-plugin, Goal prefix: help, invocation: mvn help:describe

Plugin Group

TODO

# Reference

http://www.maestrodev.com/wp-content/uploads/2012/03/betterbuildswithmaven-2008.pdf