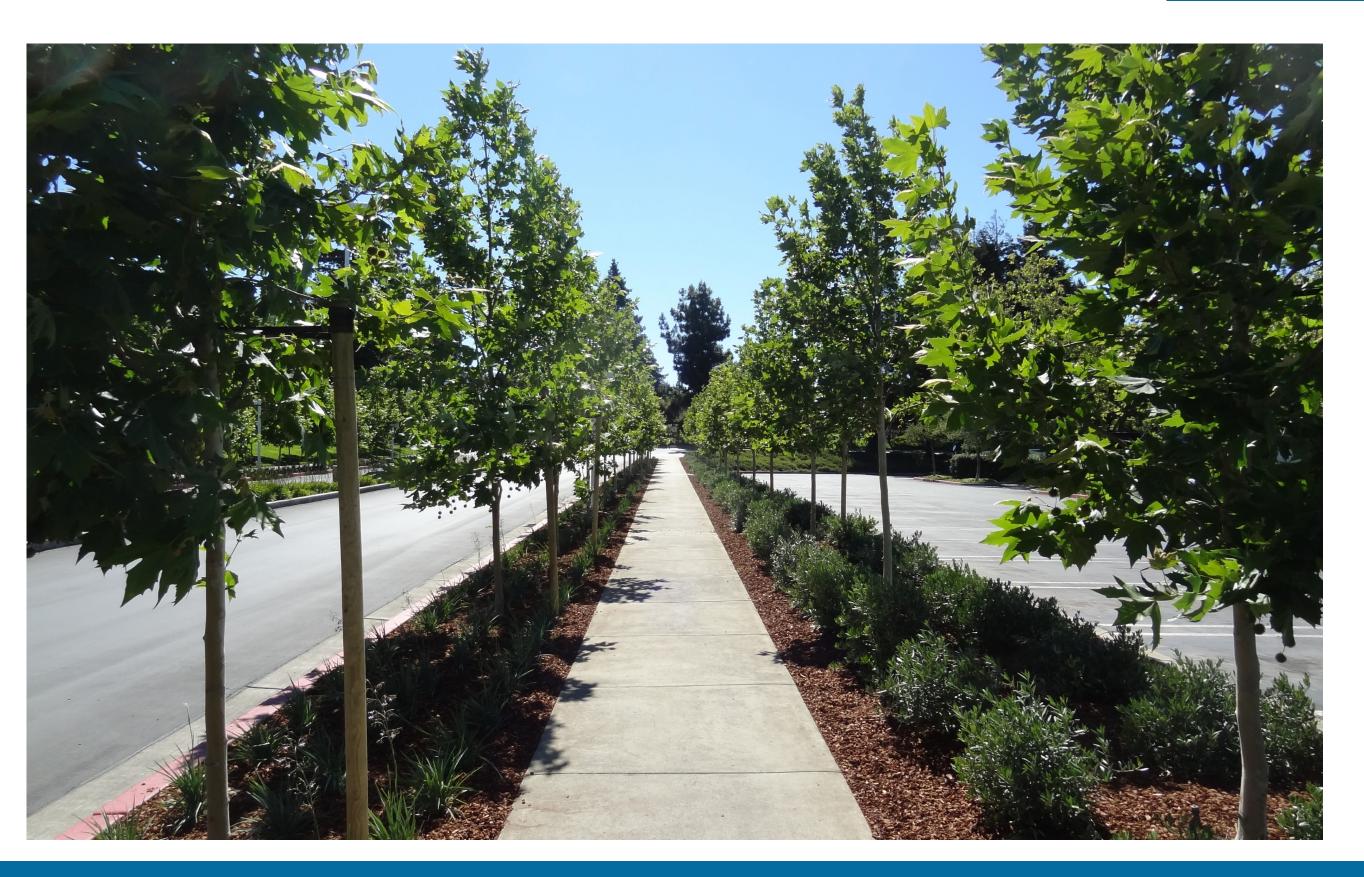
## Creating RESTful APIs for your mobile apps

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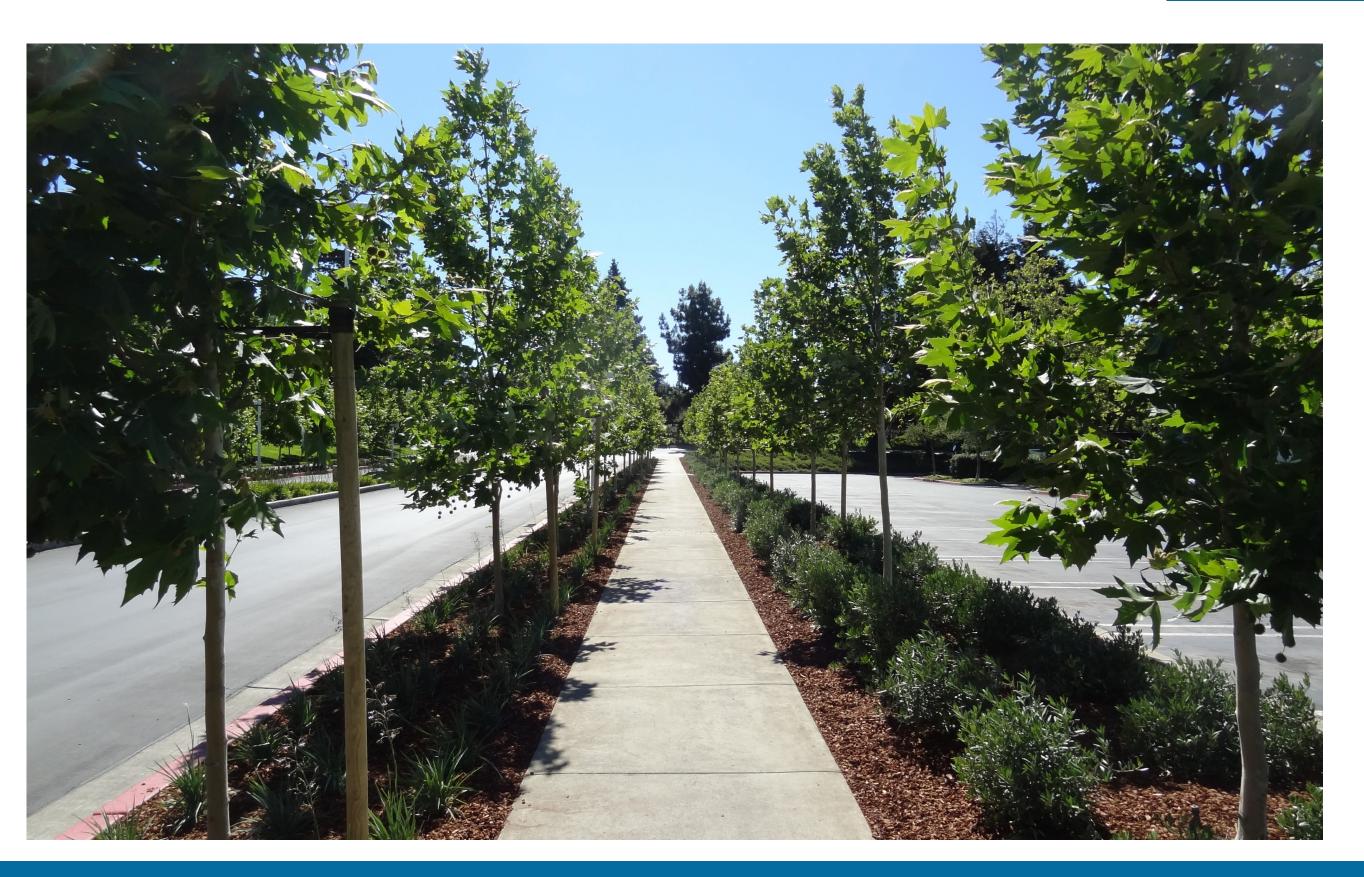
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JAXRS - 1-0012
Maven POM File

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JAXRS - 1-0012
Maven POM File

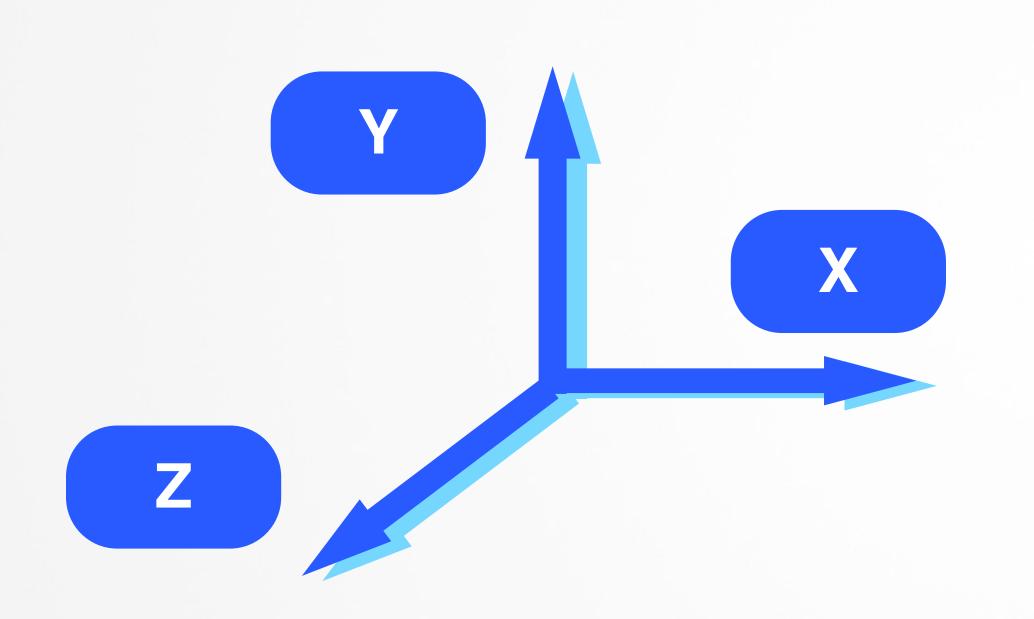
# MAVEN POMFILE



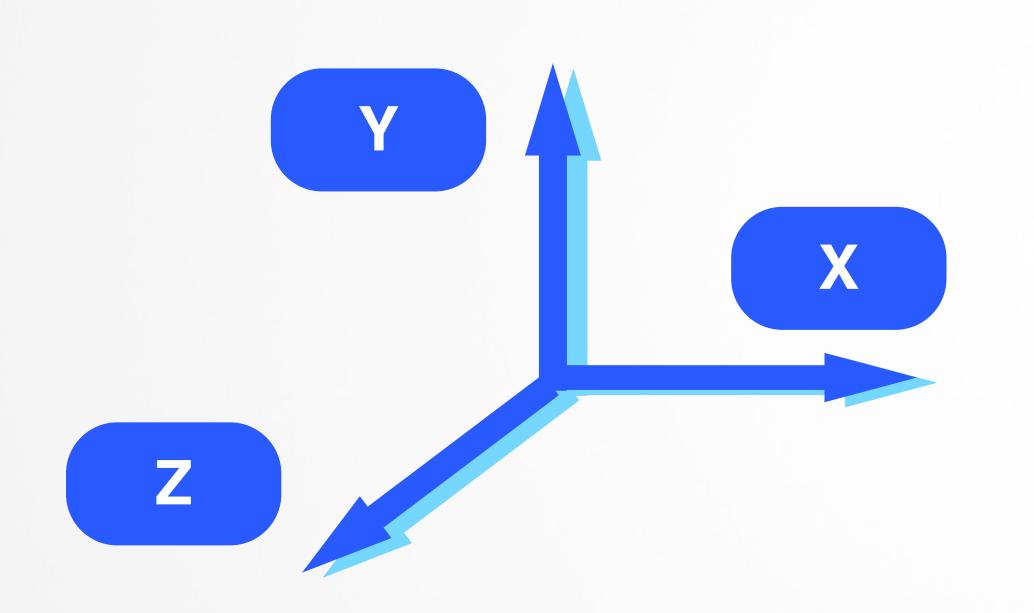
- Maven Coordinates
- 2 The Maven POM file
- 3 Adding Dependencies
- 4 Wrap up

This video provides an introduction to Maven.

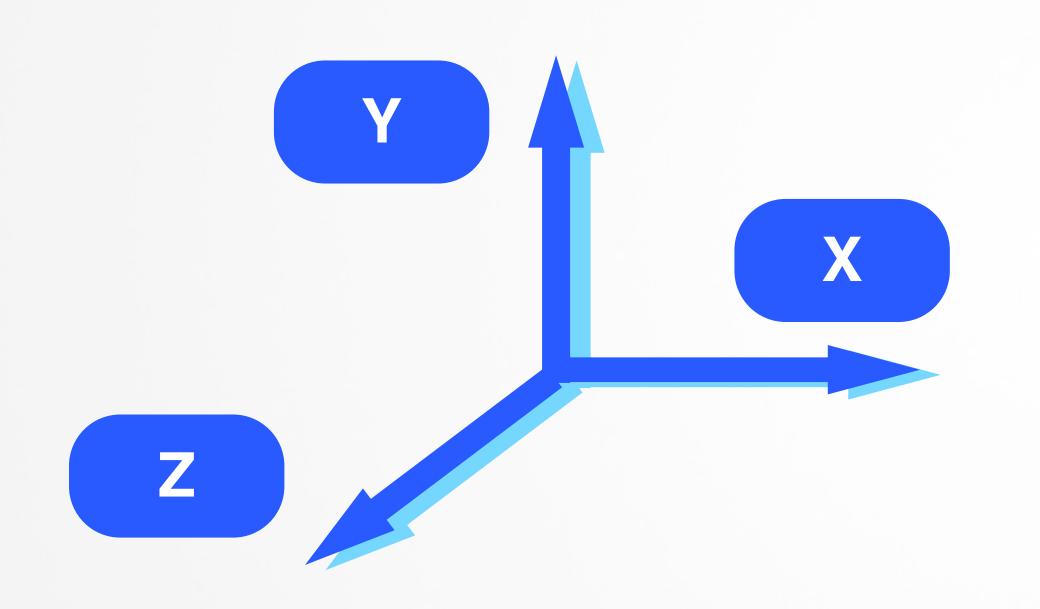
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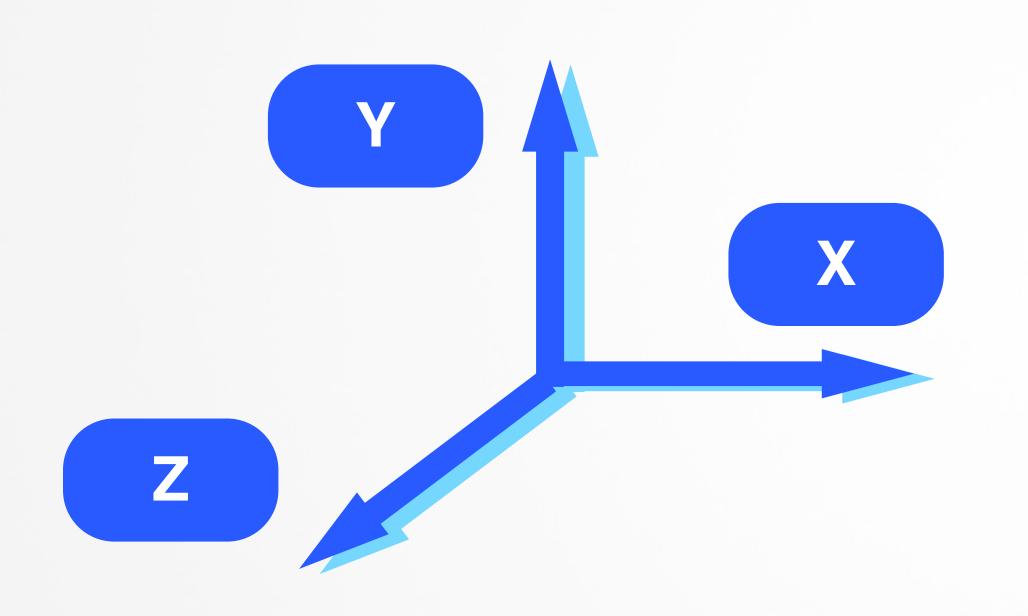
### COORDINATES



### GROUP ID



### ARTIFACT ID



### VERSION

### POM FILE

Every POM File starts this way. The Model Version element is 4.0.0. There isn't any other version.

- Each section collects a group of information
- Only the Maven coordinates and the project type in the Basics section are required

#### POM FILE STRUCTURE

#### 

#### FOUR POM SECTIONS

**Basics** 

**Build Settings** 

**Environment Settings** 

**Additional Information** 

POM.XML

#### **FOUR POM SECTIONS**



### THE BASICS SECTION

The Basics section of the POM file describes relationships about the project.

#### **FOUR POM SECTIONS**



### THE BASICS SECTION

The Maven coordinates are used here to uniquely identify your project.

#### **FOUR POM SECTIONS**



### THE BASICS SECTION

The packaging element value can be pom, jar, maven-plugin, ejb, war, ear, rar, or par. It is possible to define your own packaging as well.

#### **FOUR POM SECTIONS**



### THE BASICS SECTION

The dependencies element is where you add all the other projects this project depends on.

#### **FOUR POM SECTIONS**



### THE BASICS SECTION

The parent element allows you to inherit values from a parent POM file.

## MAVEN POMELE

#### **FOUR POM SECTIONS**



### THE BASICS SECTION

The modules element allow you to list other sub-POM files for this POM file. The packaging type must be POM for the aggregator.

# POMAVEN POMATEILE

#### **FOUR POM SECTIONS**

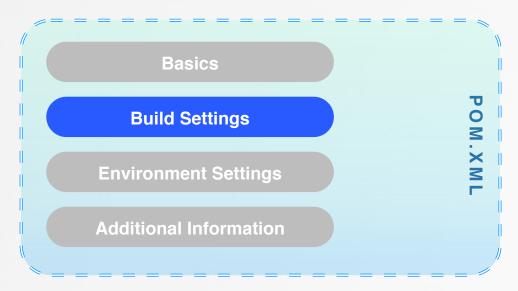


### THE BASICS SECTION

The properties element allows you to create properties for use in the POM, child POMs, or sub POMs. There are also system properties available.

# POMAVEN POMATEILE

#### **FOUR POM SECTIONS**



### THE BUILD SETTINGS SECTION

- 1 <!-- Build Settings -->
- 2 <build>...</build>
- 3 <reporting>...</reporting>

This section allows you to change the behavior of the Maven build. We won't make many changes here, since it's a good idea to stick with the default settings.

#### **FOUR POM SECTIONS**



# POMAVEN POMELLE

#### **ENVIRONMENT SETTINGS SECTION**

The environment settings are most often used for specifying additional repositories.

#### **FOUR POM SECTIONS**



# POMAVEN POMELLE

#### **ENVIRONMENT SETTINGS SECTION**

```
<!-- Environment Settings -->
    <issueManagement>..</issueManagement>
    <ciManagement> </ciManagement>
3
    <mailingLists> . </mailingLists>
5
    <scm> </scm>
6
    cprerequisites>
                                              Repositories Element
    <repositories>...</repositories>
    <pluginRepositories>...</pluginRepositories>...
8
    <distributionManagement>. </distributionManagement>
9
    ofiles>
```

The repositories element is used to add repositories other than the local repository or the default central Maven repository.

#### **FOUR POM SECTIONS**



# POMAVEN POMELLE

### ADDITIONAL PROJECT INFO SECTION

```
1     <!-- More Project Information -->
2     <name>...</name>
3     <description>...</description>
4          <url>...</url>
5          <inceptionYear>...</inceptionYear>
6          licenses>...
7          <organization>...</organization>
8          <developers>...</developers>
9          <contributors>...</re>
```

The additional project information section contains other metadata about the project. The elements in this section are self descriptive.

# ADDING DEPENDENCES

This section is added here for each dependency you want to add

The Maven coordinates are required for each dependency you need to add. A second dependency would be included after the JUnit dependency,

# ADDING DEPENDENCES

The scope tells Maven when to use the dependency. Valid values for the scope are test, provided, runtime, system, or compile.

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# Next Video JAXRS1-0015 ECHOSE