

# Pre-Class Assignment

Dependency Management Tools: Maven and Gradle

## Maven Fundamentals

Watch the “Introduction to Maven Fundamentals” section skipping the “Ant vs Maven” section  
<https://app.pluralsight.com/library/courses/maven-fundamentals/table-of-contents>

**Note:** The tutorial explains how to download and install Maven. However, we will be using Maven from IntelliJ which comes with built-in support for Maven, so a separate install of Maven is not necessary.

## Working with Maven in IntelliJ IDEA

Watch the following video and pay close attention to the tutorial as you will be doing something similar in class.

<https://www.youtube.com/watch?v=pt3uB0sd5kY&feature=youtu.be>

## Gradle Fundamentals

Watch the “Introduction” section.

<https://app.pluralsight.com/library/courses/gradle-fundamentals/table-of-contents>

**Note:** The tutorial explains how to download and install Gradle. However, we will be using Gradle from IntelliJ which comes with built-in support for Gradle, so a separate install of Gradle is not necessary.

## Update Your Maven Repository

Before you come to class, update your maven repository by following the instructions below

1. Create a new Maven Project in IntelliJ Idea
  - a. Click “Create new project”
  - b. Select Maven
  - c. Put “com.example” as the groupid and “setup” as the artifact id
2. Open the settings for your project
  - a. On Mac: IntelliJ IDEA -> Preferences
  - b. On Windows: File -> Settings
3. Navigate to and update the repository for the following url:  
<https://repo.maven.apache.org/maven2> (this will take 10-30min)

**Note:** Depending on what version of IntelliJ you have installed, you may see <https://repo1.maven.org/maven2>. If so, update it instead.

