

Software Design and Engineering

Lab Document

High Level Purpose Statement:	The purpose of this lab is to install Gradle and explore its properties. With the previous lab involving Maven, this lab is a good opportunity to understand the similarities and differences between the two.
Experimental Design:	I envision this project to be a variation of the Maven lab, where I created a weather scraping application with a build and dependency management tool. Instead of using Maven, I will use Gradle.
Resources Available:	Working with Gradle in IntelliJ IDEA: https://www.youtube.com/watch?v=6V6G3RyxEMk
Time Estimate:	I picture this project to take anywhere from 3-8 hours. The main functionality of the weather application is already complete. I imagine Gradle will take a little bit of time to configure, but once that is finished, I want to add onto the weather project.
Experiment Notes:	For this assignment, I reused (and expanded) the code for the Maven lab. Instead of using Maven for dependency management, I used Gradle. Configuring Gradle was not very difficult, although the build.gradle file was a bit confusing to navigate at first.
Results:	Testing and building in Gradle seems faster than Maven. Apart from that and configuration, I do not see much that is different between the two.
Consequences for the Future:	I think that learning both Maven and Gradle is important. For personal use, I will probably continue using Maven because it is slightly easier to configure.