**Software Design and Engineering**

**Lab Document**

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| **High Level Purpose Statement:** | I want to figure out how to use Gradle to bundle a java project, as well as several dependencies together and create an executable/deployable project. |
| **Experimental Design:** | I took the code as it is from the Maven project and ported it over into this one. The only difference was replacing the POM file with the Gradle file. |
| **Resources Available:** | Documentation on Gradle’s website showed me how to get the dependencies and showed me that I could use the Maven Repository Central to get the premade code snippet I needed. |
| **Time Estimate:** | While I did spend a bit of time on the original Password manager (mostly with the bouncy castle library and its horrible lack of documentation for newbies like me), converting that Maven project into this Gradle one only took at most an hour. |
| **Experiment Notes:** | The conversion from Maven to Gradle is very smooth and easy |
| **Results:** | The Password Manager seems to run fine |
| **Consequences for the Future:** | Gradle seems to have a bit more depth then Maven does (also I think using Groovy as the build code vs the almost HTML style of Maven is cool) so If I were to delve deeper into these respective tools I think I would prefer to become competent with Gradle. |