



**Carleton**  
**UNIVERSITY**

## **COMP 4004 and 5104**

**Software Requirements**

# Software

## Git

Version: 2.30.1

<https://git-scm.com/downloads>

## Maven

Version: 3.8.2

<https://www.baeldung.com/install-maven-on-windows-linux-mac>

## Java

Version: 16.0.2

<https://www.oracle.com/java/technologies/javase-jdk16-downloads.html>

## Junit

Version: 5.7.2

Add to POM file in Maven Project:

```
<dependency>  
  <groupId>org.junit.jupiter</groupId>  
  <artifactId>junit-jupiter</artifactId>  
  <version>5.7.2</version>
```

```
</dependency>
```

<https://www.jetbrains.com/help/idea/junit.html>

## Cucumber

Version: 6.11.0

Add to POM file in Maven Project:

```
<dependency>  
  <groupId>io.cucumber</groupId>  
  <artifactId>cucumber-java</artifactId>  
  <version>6.11.0</version>  
  <scope>test</scope>  
</dependency>
```

Alternatively, if you want to use lambda expressions in step definitions, add:

```
<dependency>  
  <groupId>io.cucumber</groupId>  
  <artifactId>cucumber-java8</artifactId>
```

```
<version>6.11.0</version>  
<scope>test</scope>  
</dependency>  
https://www.jetbrains.com/help/idea/enabling-cucumber-support-in-project.html#cucumber-plugin
```

## Personal Advice (TA - Sebastian Gadzinski)

- Use the [IntelliJ](#) software to write your assignments on as it has many neat plugins and features that can make your coding life a lot easier.
  - <https://www.tabnine.com/blog/21-best-intellij-plugins-for-2021-100-free/>
- Play around with Junit and Cucumber before assignments start