Maven Guide

Apache Maven is a software project management and comprehension tool. Based on the concept of a project object model (POM), Maven can manage a project's build, reporting and documentation from a central piece of information. More about maven here.

Important! All code created as a part of this class must use Maven and the Maven configuration covered in this slide.

Using Maven through your command line
To use maven through the command line on your systems, you will have to first download maven and install it. You can follow the instructions give on the Maven site.
1. Download
2. Install
3. Run

Using Maven with IDE

You can follow the instructions given on the maven website to use Maven with the IDE you like. The instructions can be found here.

Using Maven with IntelliJ

Install the class' maven configuration for IntelliJ
Follow the steps given below to setup the project layout for maven projects.

1. Start IntelliJ and create a **new** project.
2. In the New Project selection window, in the left-hand pane, instead of selecting Java select Maven.
3. Once you select Maven in the left-hand pane the right-hand pane populates with **archetypes**.
4. Go to the top of the right-hand pane and check the box with the title Crete from archetype.
5. Then click on the button Add Archetype… . We have created a custom archetype for CS5010 that we need you to import into IntelliJ. We will import the CS5010 archetype now and you will have it available for the rest of the semester. As soon as you click the button the Add Archetype window appears. Copy paste the following information in each box in this order
   a. **GroupId** : edu.neu.ccs.cs5010
   b. **ArtifactId** : assignment
   c. **Version** : 1.0
   d. **Repository** ***(optional)*** : https://raw.github.com/divya025/cs5010/mvn-repo.
6. Click OK . This will add the class archetype into list of archetypes known to IntelliJ.