**Dev Environment Setup:**

*Eclipse:*

1. File -> Import -> Git -> Projects From Git -> Clone URI
   * URI: <https://github.com/iguanastin/cs414-f17-301-caacc.git>
   * Your user authentication
2. Continue until it requests user input for what wizard to import with
3. Select 'Import as general project'
4. Right click project: Configure -> Convert to Maven Project

*IntelliJ IDEA:*

1. File -> New -> Project from Version Control -> GitHub
   * Git Repository URL: <https://github.com/iguanastin/cs414-f17-301-caacc.git>
2. When prompted to create IDEA project, click Yes
3. Import project from external model -> Maven
4. Check the 'Import Maven projects automatically' checkbox
5. Complete the rest of the menu

**Run Configuration Setup:**

*Eclipse:*

1. Right click on the project -> Run As -> Run Configurations...
2. Create a new “Java Application” run configuration
   1. Name: “Server”
   2. Main class: “server.Server”
3. Create a new “Java Application” run configuration
   1. Name: “Client”
   2. Main class: “client.Client”
4. Create a new “JUnit” run configuration
   1. Name: “TestAll”
   2. Test runner: JUnit 4
   3. Click “Run a single test”
   4. Test class: “TestSuite”

*IntelliJ IDEA:*

1. Edit Configurations
2. Click the green plus (+), create a new Application configuration
   1. Name: “Server”
   2. Main class: “server.Server”
3. Click the green plus (+), create a new Application configuration
   1. Name: “Client”
   2. Main class: “client.Client”
4. Click the green plus (+), create a new JUnit configuration
   1. Name: “TestAll”
   2. Test kind: Class
   3. Class: “TestSuite”

**Running an environment:**

1. Run the Server run configuration
2. Run 1 (or more) Client run configurations

**Running JUnit tests:**

1. Run the TestAll run configuration

**Adding a Maven dependency:**

1. Find library on: <https://mvnrepository.com/>
2. Copy the maven dependency code into the “pom.xml” file next to the other dependencies
3. Refresh Maven dependencies within your IDE