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
   a. Name: "Server"
   b. Main class: "server.Server"
3. Create a new "Java Application" run configuration
   a. Name: "Client"
   b. Main class: "client.Client"
4. Create a new "JUnit" run configuration
   a. Name: "TestAll"
   b. Test runner: JUnit 4
   c. Click "Run a single test"
   d. Test class: "TestSuite"

IntelliJ IDEA:

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