**Project: Socket Client Application**

**Description:**

Following are the technologies and apis being used for this project,

1. Java 1.8
2. Maven 3.3.9
3. Jaxb-api , jaxb-impl jars
4. JUnit

This application provides the socket client functionality using which we can write an xml message to a socket output stream and read the response from socket’s input stream

This solution is implemented using observer pattern where a Socket client observer observes the successful writing of xml message to the socket’s input stream, once the xml message sent the observer is notified accordingly.

The implementation is abstracted behind the **SocketSendAndReceive** interface, the reason is to provide extensibility in future.

Junit is used to provide the unit test for the different business case scenarios.

The application is testable via a main class or using the unit test case in SocketClientTest class.

Please use below maven commands to test and package the project, all the below commands will run the unit test case by default.

To run unit test : mvn clean test

To Build and package : mvn clean package

To build and install : mvn clean install.

The final result will be written to a text file called README.txt , which is under root of the project.