## ADDRESS BOOK SIMPLE JAVA APPLICATION

**Pre-Requisites:**

1. Any Supported IDE(IntelliJ preferred)
2. Maven
3. Java SDK
4. Junit
5. AssertJ

## Running the Application:

Simply import project from GitHub repository provided at <https://github.com/hammey07/Address-Book-Project>. Once project is imported make sure all dependencies are loaded and downloaded.

If “Error:java: error: release version 5 not supported” occurs, simply change project Byte code and target byte code to java 12 in compiler settings.

**JAR file placement:**

The JAR file can also generated by using maven “mvn clean install” command through maven terminal. As requested, I have also placed JAR file in my github respository at <https://github.com/hammey07/Address-Book-Project/blob/master/addressbook-1.0-SNAPSHOT.jar>.

**Functionality Tests:**

There is one Junit Test file:

1. AddressBookTest

This file contains a lists of tests shown below to test out the overall functionality of our application. The features that are tested are written below

1. Adding a contact to addressbook.
2. Deleting a contact from addressbook
3. Getting information about a contact
4. Sorting of contact list within addressbook
5. Getting count of total contacts in addressbook
6. Testing the functionality of editing a contact in addressbook

## Running the Test Suite:

Tests can be run by two following ways:

## Via IDE:

In order to run all tests presented in AddressBookTest class, simply run the class.

## Via Command-line:

1. Click on the maven tab and click on execute maven goal symobol (denoted by “m”).
2. Type in “mvn clean test”
3. Test execution and Results will be shown in maven terminal.