Project Setup/Requirements:

* Google chrome web browser version 80.
* Windows 10 Enterprise
* Eclipse neon v2.2
* TestNG Framework library installed in Eclipse
* Maven dependency manager for managing selenium client library/dependencies
* Two (2) Gmail accounts were temporarily created for sending and receiving mail messages(Sender & Recipient)

Project directories

* **downloads**: Contains downloaded e-mail attachments
* **driver**: Web driver used by selenium to perform automation
* **src**: Contains java source code files
* **target**: Contains compiled java files(classes) by Maven
* **test**-**output**: Html reports created by the TestNG testing framework

Test cases:

* VerifySenderGMailCredentials

Checks and verifies that the correct given 'Sender' Gmail username and password leads to Gmail home page/index

* VerifyRecipientsGMailCredenetials

Checks and verifies that the correct given 'Recipient' Gmail username and password leads to Gmail home page/index

* VerifyAttachmentExistsOnTheMail

Verifies that the 'Sender' Gmail account has an inbox message with an attachment

* VerifyEmailSent

Checks to see if the Gmail message has been composed and sent to the recipient

* VerifyEmailReceived

Verifies that the message sent has been received by the recipient

* VerifyEmailReceivedWithAttachment

Verifies that the message received has an attachment

Test Execution:

* Open the project in Eclipse then click run as > TestNG suite.

This will execute/run the main test suite

* Once the tests execution is complete, navigate to the folder **test-output**:
* Inside test-output go to the folder **Main Gmail Suite**, click on Default test.html
* The html summary report/page will be visible showing all information related to the tests executed and their test result.