Automated Testing Assessment

# Download and run Jenkins

1. Copy and the following code found at <https://chocolatey.org/docs/installation>. Also found below:

@"%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" -NoProfile -InputFormat None -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"

1. Open up command prompt (admin). Go to the bottom-left corner of the screen, right-click on the window logo, and select Command Prompt (Admin) from the list.
2. Paste the code from step 1, into the command line terminal.
3. Once Chocolatey is downloaded, type “choco search jenkins”
4. It should find the Jenkins packages. Next type “choco install jenkins"
5. Jenkins should now be installed. Jenkins server will run on port 8080 therefore we need to kill any process running on this port. Type “netstat -ano” to show all processes
6. If you find any process with local address 0.0.0.0.8080, record the related process identification number (PID), as it needs to be stopped.
7. Next type “taskkill /F /PID <PID number>”
8. Next type “Java -version”. It should reply to you with the version of java installed on your machine. If it does not, you need to add the path variable to the bin folder for Java to your PATH in your environmental variables in your System (right click on window logo, click System, then environmental variables, then find the path variable and append the pathway to the java bin folder). Reload your terminal and type the function again. If you still aren’t getting the version of java see your trainer.
9. Open the file at C:/Program Files (x86)/ Jenkins/
10. On the background of that window hold shift and click on the folder background, open command prompt from this folder.
11. In this new terminal type “Java -jar jenkins.war”
12. In your internet browser type “localhost:8080” – continue as admin.
13. If you need to login as admin in the future, the username is “admin” your unique password can be found at C:/Users/Admin/.jenkins/secrets/initialAdminPassword.

# Assessment

* You will need to create a report for all the tests you do.
* For every task, a separate test should be included in the same report.
* Log within each test every step you are taking

You will need to simulate a Jenkins user’s everyday actions.

**Task One:** Automate the creation of a user

Hints: to add a user, go to Manage Jenkins, click manage users at the bottom of the page

This task has been split into two. One with a normal scenario where you decide what to put in as the values to be tested. As well as one scenario which uses cucumber’s parametrisation.

You might need the password to your admin account, which can be found at:

C:/Users/Admin/.jenkins/secrets/initialAdminPassword.

**Task Two:** View a user on the database

You must do this by clicking on the appropriate link in the table

The following will **NOT** be accepted:

driver.get("http://localhost:8080/securityRealm/user/username/”);

There are two matthew ID’s.

You need to click on the User ID: matthewhunt, name: matttt

**NOT** User ID: m4tt name: matthewhunt.

**Task Three:** Update the FullName of the selected users

You can update a FullName of a user by:

Clicking the user id to load the user

Clicking configure

And then updating the FullName box

**Task Four:** Output test results to excel

Once the report has been completed for all other tasks:

Input the Test results into an excel sheet.

The excel report should include what you are testing as well as inputs