

NONFUNCTIONAL TESTING EXERCISES

JMETER

1. Determine which server to test capable of returning html and handling json requests and responses
2. Download binary from JMeter site
https://jmeter.apache.org/download_jmeter.cgi
3. Unpack JMeter to a folder
4. Run bin/ApacheJMeter.jar file to start JMeter
5. Check "Run threads consecutively" in test plan
6. Add a thread group (20 users/10 seconds ramp up time/loop count 4)
7. Add a http request sampler (Set server protocol, port, name, path and request method, path)
8. Add a listener (View results in table)
9. Add a listener (View results tree)
10. Run test plan
11. Run -> Clear all
12. Add a response assertion and assert text response (Response assertion/Text response/Substring/Add pattern)
13. Run test plan
14. Add a timer (Constant timer/5 seconds)
15. Add a thread group (200 users/10 seconds ramp up time/loop count 1)
16. Add a http request sampler with json body
17. Add a json assertion (Assert JSON path exists/Additionally assert value)
18. Add listener (Summary report/Aggregate report/Response time graph)
19. Run test plan
20. Run -> Clear all
21. Add CSV Data set config (CSV file name/Variable names)
22. Add http request sampler with json values from csv file
23. Add json assertion with json values from csv file

BLAZEMETER

Chrome blazemeter plugin record

1. Add blazemeter plugin to chrome in settings
2. Open a site to test blazemeter plugin on
3. Open blazemeter tool in chrome menu
4. Start recording in blazemeter plugin
5. Click a link or two on site and input something in a form if possible
6. Stop recording in blazemeter plugin
7. Press export to JMeter button in blazemeter plugin
8. Select domains to include in export file
9. Open exported JMeter file in JMeter and inspect test plan
10. Add summary report to test plan and increase thread group to involve more users
11. Run test plan

Blazemeter.com

1. Go to blazemeter.com and sign up
2. Skip wizard to go to the blazemeter default workspace and create a test
3. Upload a JMeter jmx file
4. Set users to 50
5. Enter a name for the test and save the test
6. Switch to test history and start the test