**Test Approach:**

1. Add a Thread Group with number of threads as 30.

2. Add a constant throughput timer with Target throughput as 1500 (To make throughput more than 20 TPS, with 1500, it will be around 24 TPS)

3. Add a HTTP(S) Test Script Recorder to record the login scenario with proxy added to firefox with localhost and port as 8888.

4. Add HTTP cookie manager.

5. Create a csv file with 30 user details, provide UserName and Password.

6. Add CSV Data Set Config in jmeter, provide file path and variable names separated by comma.

7. Then in respective recording step, parameterise the username and password for all users with ${UserName} and ${Password}

8. To run the first test (Expected day 1 requirement (post go live) is around 20 TPS of user logins. But they want you to test for loads which are a bit higher than this marked number as well. Also, it is expected that we will have around 30 different users using the system at the same time - different customers with their own login credentials.) execute the test plan from command line with duration as 120 seconds.

jmeter.bat -n -t "jmeter Assignment.jmx" -l Assignmentlog.jtl -e -o AssignmentResult1

9. Capture the log file.

10. To run the second test (This being a new system, businesses need to know what could be the maximum capacity of the system as well. This is yet another test you need to factor in.) run a break point test for 1800 seconds.

Below are the screen prints for respective steps explained above.





