

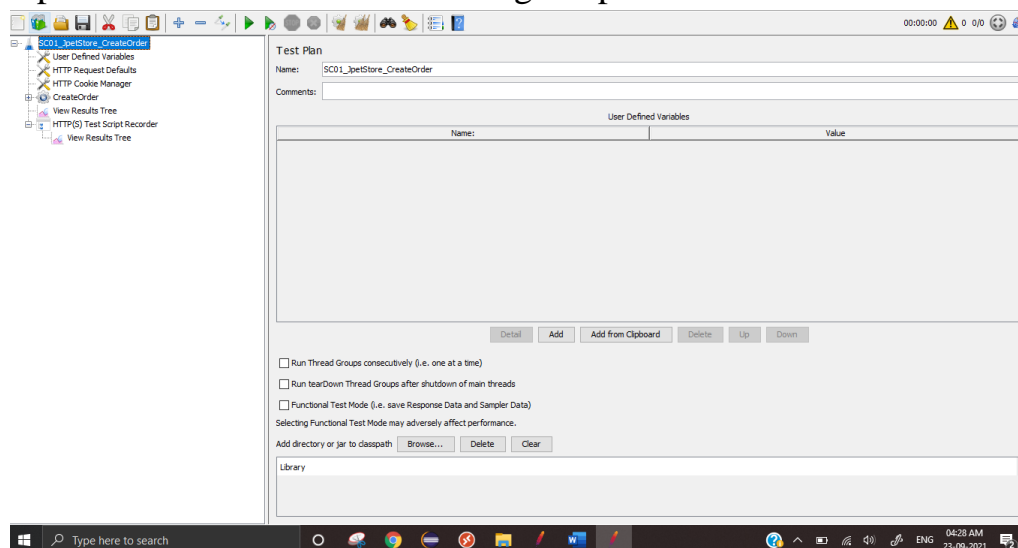
## AIM

To generate

- a) Multiple order Id's with different Id belonging to same category for the same user
  - b) Multiple order Id's with different product and category id for different users
- Using JPetStore website.

## PROCEDURE

- 1) Open Jmeter and add the recording template.



- 2) Once the recording template is added, start the recording (JPetStore) by enabling Html Test Script Reader.
- 3) While recording, give the transaction names and stop the recording once the final step is reached.
- 4) As the recording is completed, disable the unnecessary websites and run the script once to check whether the script is working perfect or not.
- 5) Then parameterize the variables that are given input by the user using csv data set config
  - username
  - password.

The screenshot shows the 'CSV Data Set Config' window in JMeter. The 'Name' field is 'P\_Credentials'. The 'Comments' field is empty. The 'Configure the CSV Data Source' section includes: 'Filename' set to 'D:/Performance testing/apache-jmeter-5.4.1/bin/jmeter\_scripts/Csv\_files/Users.csv' with a 'Browse...' button; 'File encoding' set to 'UTF-8'; 'Variable Names (comma-delimited)' set to 'P\_username,P\_password'; 'Ignore first line (only used if Variable Names is not empty)' set to 'True'; 'Delimiter (use \t for tab)' set to ','; 'Allow quoted data?' set to 'False'; 'Recycle on EOF?' set to 'True'; 'Stop thread on EOF?' set to 'False'; and 'Sharing mode' set to 'All threads'.

6) The variables that are generated from the server are correlated by using boundary extractor or regular expression.

- Session Id
- Source page
- Fp
- Category id
- Product Id
- Item Id
- User Details (card Type, Credit Card, name, address, city etc)

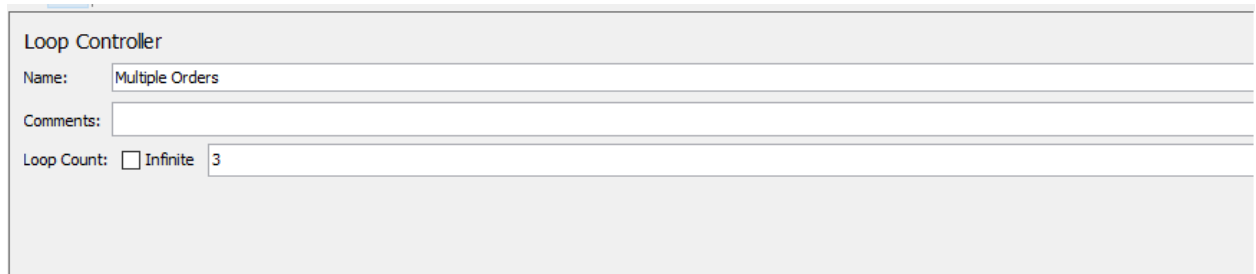
7) An example for boundary extractor and regular expression is shown below

The image shows two screenshots of JMeter extractors. The top screenshot is the 'Boundary Extractor' configuration for 'C\_SessionId'. It is set to 'Main sample only' and 'Field to check' is 'Body'. The 'Left Boundary' is '<a href="/actions/Catalog.action;jsessionid=' and the 'Right Boundary' is '">'. The 'Match No.' is '1' and the 'Default Value' is 'Session Id Not Found'. The bottom screenshot is the 'Regular Expression Extractor' configuration for 'C\_OrderId'. It is also set to 'Main sample only' and 'Field to check' is 'Body'. The 'Regular Expression' is 'colspan="2">Order #([d+])d' and the 'Template' is '\$1\$'. The 'Match No.' is '1' and the 'Default Value' is 'Order Id not found'.

- 8) The Think time of 3000 secs is added to each child to delay the process of each transaction.

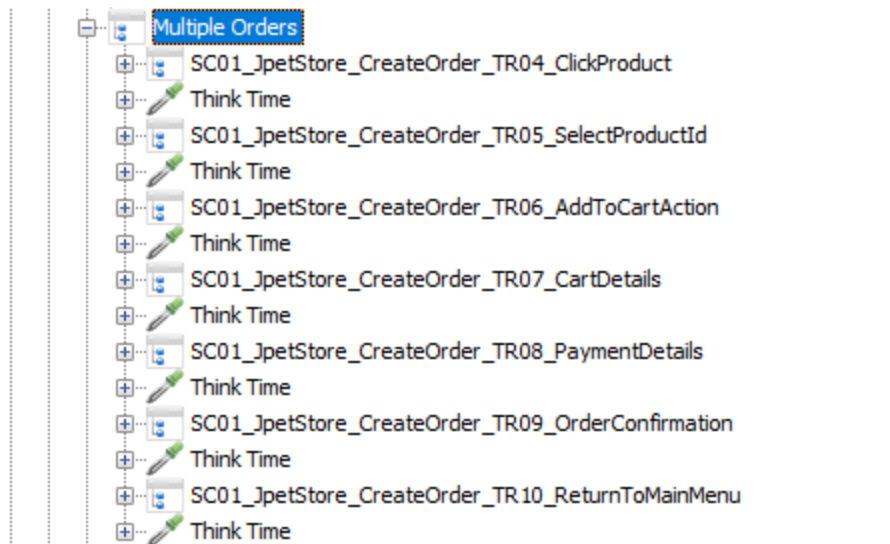
**MULTIPLE ORDER ID'S WITH DIFFERENT ID BELONGING TO SAME CATEGORY FOR THE SAME USER**

- 9) A single user performs only one activity at a time, such as logging in, seeing the category, and logging out.
- 10) A user can iterate through tasks such as picking a product, adding it to their cart, and selecting payment choices.
- 11) These kinds of activities must be iterated based on the user.
- 12) As a result, the activities will be looped for a specific amount of time based on the specified iteration.
- 13) JMeter's logic controller, which includes a loop controller which can be used to iterate across a transaction given by the loop count. Initially in this application, I took 3 as my loop count.



The screenshot shows the 'Loop Controller' configuration window in JMeter. It has a title bar 'Loop Controller'. Inside, there is a 'Name:' field with the value 'Multiple Orders'. Below it is a 'Comments:' text area. At the bottom, there is a 'Loop Count:' section with an unchecked checkbox for 'Infinite' and a text field containing the number '3'.

- 14) As a result, the transactions that a user will iterate are entered under the loop controller until it achieves the loop count value.
- 15) In this scenario, if the user wants to buy a single category such as fish or dogs with different product Id for a particular category, the loop controller can be used to iterate numerous times using correlation.



- 16) Once a product is placed to the cart, it is confirmed then payment is processed, and an order id is generated. This process is done several times until the iteration (loop count) is complete.
- 17) To verify the different order Id and store the output in a file, Bean shell Post Processor is used.

BeanShell PostProcessor

Name: OverAll check

Comments:

Reset bsh.Interpreter before each call

Reset Interpreter: False

Parameters to be passed to BeanShell (=> String Parameters and String []bsh.args)

Parameters:

Script file (overrides script)

File Name:

Script (variables: ctx vars props prev data log)

Script:

```

1 import org.apache.jmeter.services.FileServer;
2 f=new FileOutputStream("D:\\Performance testing\\apache-jmeter-5.4.1\\bin\\jmeter_scripts\\Csv_files\\output.txt", true);
3 p=new PrintStream(f);
4 var sessionId=vars.get("C_SessionId");
5 var source1=vars.get("C_SrcPage1");
6 var fp1=vars.get("C_Fp1");
7 var source2=vars.get("C_SrcPage2");
8 var fp2=vars.get("C_Fp2");
9 var categoryId=vars.get("C_CategoryId");
10 var productId=vars.get("C_ProductId");
11 var itemId=vars.get("C_ItemId");
12 var order=vars.get("C_OrderId");
13
14 p.println("OUTPUT");
15 p.println("SessionId =>" + sessionId);
16 p.println("Order id =>" + order);
17 p.println("CategoryId =>" + categoryId);
18 p.println("productId =>" + productId);
19 p.println("itemId =>" + itemId);
20 p.println("Source1 =>" + source1);
21 p.println("Fp1 =>" + fp1);
22 p.println("Source2 =>" + source2);
23 p.println("Fp2 =>" + fp2);

```

## OUTPUT

- 1) The output of the bean shell post processor will be displayed as follows

```

output - Notepad
File Edit Format View Help
*****
OUTPUT
SessionId =>B1C15E3BA1FD2EC6E2198FBE66C08506
Order id =>3816
CategoryId =>FISH
productId =>FI-SW-02
itemId =>EST-3
Source1 =>TjHeTgEQkj1FAojpOMtUOX6rsi_qdJyFsIqlynmDj_-_CnvvRxN0nFu-oEISiLrpxJ7GaUiCahCruhoFMWp2ar_0kfAb0Zq2_osQ63oRDS=
Fp1 =>110s34fzQwM8QK4Po42pUTHBmy3P00kI1CJwvd6P1ECY50NfNyyX3KZ4a5ZY11Vv
Source2 =>vdqCiFC4caxJvokHvDj82e0EaexV7DbmJJV3RWa4FioOqd2IIIGTVJkX4mZtFtS1z3qMvTr6Pu8nLwWR3_eaevbFYC9zQNB0P0jZcTZBmpro=
Fp2 =>40ZMpTh8GhArgJ30x0i-RCK0C0bOMw-513M-YXfapRpR22wF5VNuphe_9jYe9JzN0oIlywAAbi5jXN1inT6wjHHP11Dmdqw1emXQbyeBv9XLVA_eJBTJpw==
*****
OUTPUT
SessionId =>B1C15E3BA1FD2EC6E2198FBE66C08506
Order id =>3817
CategoryId =>FISH
productId =>FI-FW-02
itemId =>EST-20
Source1 =>TjHeTgEQkj1FAojpOMtUOX6rsi_qdJyFsIqlynmDj_-_CnvvRxN0nFu-oEISiLrpxJ7GaUiCahCruhoFMWp2ar_0kfAb0Zq2_osQ63oRDS=
Fp1 =>110s34fzQwM8QK4Po42pUTHBmy3P00kI1CJwvd6P1ECY50NfNyyX3KZ4a5ZY11Vv
Source2 =>G0q9Yqf-1p3kWoFk1f4fZy2TmLI81CJY_ky3qQpshFm48h2KGdvY-YXhgLa6LLO090BmFLR09q9jAHa79RiR4xFJQXmfz52AEhrizjI2nrM=
Fp2 =>3RafjoAS663e1cp6miRtN10U1Jfyf7k_9liDunXjvslImb6F0f0kkBQ2FwAqM2TPJxc_dfHx1UVqcftsSrQtnqKe-kqW1qPm0VcNHRIOyK3go1DU5a5sg==
*****
OUTPUT
SessionId =>B1C15E3BA1FD2EC6E2198FBE66C08506
Order id =>3818
CategoryId =>FISH
productId =>FI-SW-02
itemId =>EST-3
Source1 =>TjHeTgEQkj1FAojpOMtUOX6rsi_qdJyFsIqlynmDj_-_CnvvRxN0nFu-oEISiLrpxJ7GaUiCahCruhoFMWp2ar_0kfAb0Zq2_osQ63oRDS=
Fp1 =>110s34fzQwM8QK4Po42pUTHBmy3P00kI1CJwvd6P1ECY50NfNyyX3KZ4a5ZY11Vv
Source2 =>brMeoZt0EAfdmDFVnEP0q7499tZ1DAky40Vs-pYwnjcwM1QvVzu1WfkZyyhoUtszLs4niCm9idPPsW-JTNnBcTpFyDtGbtUg6HI524cMeg=
Fp2 =>liS0k2FpFaGkfjBBsC2mnEMu1b-9B498iD0wKGGHIFyLXJmXmxnsQrQs0mQiT2Xd0LKV0c1JWnB_gzmeXPPEgN960jvbv_-L_B9z39_FP_rykxMrRH-ag==
*****

```

- 2) The output in JPetStore is reflected in website as

Fish | Dogs | Reptiles | Cats | Birds

|                                 |                                   |          |        |            |
|---------------------------------|-----------------------------------|----------|--------|------------|
| Order #3817 2021/09/22 12:00:00 |                                   |          |        |            |
| Payment Details                 |                                   |          |        |            |
| Card Type:                      | Visa                              |          |        |            |
| Card Number:                    | 999 9999 9999 9999 * Fake number! |          |        |            |
| Expiry Date (MM/YYYY):          | 12/03                             |          |        |            |
| Billing Address                 |                                   |          |        |            |
| First name:                     | Ano                               |          |        |            |
| Last name:                      | Bhama                             |          |        |            |
| Address 1:                      | 203                               |          |        |            |
| Address 2:                      | Maheswari Nivas                   |          |        |            |
| City:                           | ngl                               |          |        |            |
| State:                          | tn                                |          |        |            |
| Zip:                            | 04                                |          |        |            |
| Country:                        | India                             |          |        |            |
| Shipping Address                |                                   |          |        |            |
| First name:                     | Ano                               |          |        |            |
| Last name:                      | Bhama                             |          |        |            |
| Address 1:                      | 203                               |          |        |            |
| Address 2:                      | Maheswari Nivas                   |          |        |            |
| City:                           | ngl                               |          |        |            |
| State:                          | tn                                |          |        |            |
| Zip:                            | 04                                |          |        |            |
| Country:                        | India                             |          |        |            |
| Courier:                        | UPS                               |          |        |            |
| Status:                         | P                                 |          |        |            |
| Item ID                         | Description                       | Quantity | Price  | Total Cost |
| EST-20                          | Adult Male Goldfish               | 1        | \$5.50 | \$5.50     |
| Total:                          |                                   | \$5.50   |        |            |

# NPAT FINAL ASSIGNMENT

ANOBHAMA V  
10683509

[Sign Out](#) | [My Account](#) | ?

[Fish](#) | [Dogs](#) | [Reptiles](#) | [Cats](#) | [Birds](#)

**Order #3818 2021/09/22 12:00:00**

**Payment Details**  
Card Type: Visa  
Card Number: 999 9999 9999 9999 \* Fake number!  
Expiry Date (MM/YYYY): 12/03

**Billing Address**  
First name: Ano  
Last name: Bhama  
Address 1: 203  
Address 2: Maheswari Nivas  
City: ngl  
State: tn  
Zip: 04  
Country: India

**Shipping Address**  
First name: Ano  
Last name: Bhama  
Address 1: 203  
Address 2: Maheswari Nivas  
City: ngl  
State: tn  
Zip: 04  
Country: India  
Courier: UPS  
Status: P

| Item ID       | Description           | Quantity | Price   | Total Cost     |
|---------------|-----------------------|----------|---------|----------------|
| EST-3         | Toothless Tiger Shark | 1        | \$18.50 | \$18.50        |
| <b>Total:</b> |                       |          |         | <b>\$18.50</b> |

3) To understand the output, graphs are created as below

a) View Results Tree''

**View Results Tree**  
Name: View Results Tree  
Comments:  
Write results to file / Read from file  
Filename:  [Browse...](#) [Log/Display Only](#)  
Search:  ☐ Case sensitive ☐ Regular exp. [Search](#) [Reset](#)  

Text

- SC01\_jpetStore\_CreateOrder\_TR01\_EnterTheStore-0
- SC01\_jpetStore\_CreateOrder\_TR01\_EnterTheStore
- SC01\_jpetStore\_CreateOrder\_TR02\_ClickSignIn-0
- SC01\_jpetStore\_CreateOrder\_TR02\_ClickSignIn
- SC01\_jpetStore\_CreateOrder\_TR03\_LoginCredentials-0
- SC01\_jpetStore\_CreateOrder\_TR03\_LoginCredentials
- SC01\_jpetStore\_CreateOrder\_TR04\_ClickProduct-0
- SC01\_jpetStore\_CreateOrder\_TR04\_ClickProduct
- SC01\_jpetStore\_CreateOrder\_TR05\_SelectProductId-0
- SC01\_jpetStore\_CreateOrder\_TR05\_SelectProductId
- SC01\_jpetStore\_CreateOrder\_TR06\_AddToCartAction-0
- SC01\_jpetStore\_CreateOrder\_TR06\_AddToCartAction
- SC01\_jpetStore\_CreateOrder\_TR07\_CartDetails-0
- SC01\_jpetStore\_CreateOrder\_TR07\_CartDetails-1
- SC01\_jpetStore\_CreateOrder\_TR07\_CartDetails
- SC01\_jpetStore\_CreateOrder\_TR08\_PaymentDetails-0
- SC01\_jpetStore\_CreateOrder\_TR08\_PaymentDetails
- SC01\_jpetStore\_CreateOrder\_TR09\_OrderConfirmation-0
- SC01\_jpetStore\_CreateOrder\_TR09\_OrderConfirmation
- SC01\_jpetStore\_CreateOrder\_TR10\_ReturnToMainMenu-0
- SC01\_jpetStore\_CreateOrder\_TR10\_ReturnToMainMenu
- SC01\_jpetStore\_CreateOrder\_TR04\_ClickProduct-0
- SC01\_jpetStore\_CreateOrder\_TR04\_ClickProduct

Sampler result

☒ Scroll automatically? [Raw](#) [Parsed](#)

## NPAT FINAL ASSIGNMENT

ANOBHAMA V

10683509

## b) Summary report

Summary Report

Name:Summary Report

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only:

Errors

Successes

Configure

| Label  | # Samples | Average | Min  | Max  | Std. Dev. | Error % | Throughput | Received... | Sent K... | Avg. ... |
|--|-----------|---------|------|------|-----------|---------|------------|-------------|-----------|----------|
| SC01_petStore_CreateOrder_TR01_EnterTheStore-0     | 1         | 2314    | 2314 | 2314 | 0.00      | 0.00%   | 25.9/min   | 2.29        | 0.30      | 5419.0   |
| SC01_petStore_CreateOrder_TR01_EnterTheStore       | 1         | 2314    | 2314 | 2314 | 0.00      | 0.00%   | 24.9/min   | 2.19        | 0.29      | 5419.0   |
| SC01_petStore_CreateOrder_TR02_ClickSignIn-0       | 1         | 326     | 326  | 326  | 0.00      | 0.00%   | 3.1/sec    | 11.54       | 2.54      | 3851.0   |
| SC01_petStore_CreateOrder_TR02_ClickSignIn         | 1         | 326     | 326  | 326  | 0.00      | 0.00%   | 3.0/sec    | 11.29       | 2.48      | 3851.0   |
| SC01_petStore_CreateOrder_TR03_LoginCredetails-0   | 1         | 729     | 729  | 729  | 0.00      | 0.00%   | 1.4/sec    | 6.85        | 2.92      | 5114.0   |
| SC01_petStore_CreateOrder_TR03_LoginCredetails     | 1         | 729     | 729  | 729  | 0.00      | 0.00%   | 1.4/sec    | 6.81        | 2.91      | 5114.0   |
| SC01_petStore_CreateOrder_TR04_ClickProduct-0      | 3         | 455     | 301  | 669  | 156.11    | 0.00%   | 2.8/min    | 0.16        | 0.04      | 3559.0   |
| SC01_petStore_CreateOrder_TR04_ClickProduct        | 3         | 455     | 301  | 669  | 156.11    | 0.00%   | 2.8/min    | 0.16        | 0.04      | 3559.0   |
| SC01_petStore_CreateOrder_TR05_SelectProductId-0   | 3         | 459     | 307  | 634  | 134.48    | 0.00%   | 2.8/min    | 0.18        | 0.04      | 4026.0   |
| SC01_petStore_CreateOrder_TR05_SelectProductId     | 3         | 459     | 307  | 634  | 134.48    | 0.00%   | 2.8/min    | 0.18        | 0.04      | 4026.0   |
| SC01_petStore_CreateOrder_TR06_AddToCartAction-0   | 3         | 242     | 177  | 323  | 60.50     | 0.00%   | 2.8/min    | 0.21        | 0.04      | 4568.0   |
| SC01_petStore_CreateOrder_TR06_AddToCartAction     | 3         | 242     | 177  | 323  | 60.50     | 0.00%   | 2.8/min    | 0.21        | 0.04      | 4568.0   |
| SC01_petStore_CreateOrder_TR07_CartDetails-0       | 3         | 729     | 238  | 1492 | 546.71    | 0.00%   | 2.8/min    | 0.24        | 0.04      | 5304.0   |
| SC01_petStore_CreateOrder_TR07_CartDetails-1       | 3         | 292     | 275  | 303  | 12.19     | 0.00%   | 2.8/min    | 0.24        | 0.04      | 5304.0   |
| SC01_petStore_CreateOrder_TR07_CartDetails         | 3         | 1021    | 513  | 1790 | 552.88    | 0.00%   | 2.8/min    | 0.48        | 0.08      | 10608.0  |
| SC01_petStore_CreateOrder_TR08_PaymentDetails-0    | 3         | 462     | 318  | 685  | 159.90    | 0.00%   | 2.8/min    | 0.20        | 0.07      | 4426.0   |
| SC01_petStore_CreateOrder_TR08_PaymentDetails      | 3         | 462     | 318  | 685  | 159.90    | 0.00%   | 2.8/min    | 0.20        | 0.07      | 4426.0   |
| SC01_petStore_CreateOrder_TR09_OrderConfirmation-0 | 3         | 257     | 224  | 311  | 38.32     | 0.00%   | 2.8/min    | 0.23        | 0.04      | 5128.0   |
| SC01_petStore_CreateOrder_TR09_OrderConfirmation   | 3         | 257     | 224  | 311  | 38.32     | 0.00%   | 2.8/min    | 0.23        | 0.04      | 5128.0   |
| SC01_petStore_CreateOrder_TR10_ReturnToMainMenu-0  | 3         | 286     | 270  | 296  | 11.81     | 0.00%   | 2.8/min    | 0.22        | 0.04      | 4896.0   |
| SC01_petStore_CreateOrder_TR10_ReturnToMainMenu    | 3         | 286     | 270  | 296  | 11.81     | 0.00%   | 2.8/min    | 0.22        | 0.04      | 4896.0   |
| SC01_petStore_CreateOrder_TR11_ClickSignOut-0      | 1         | 520     | 520  | 520  | 0.00      | 0.00%   | 1.9/sec    | 9.43        | 2.99      | 5021.0   |
| SC01_petStore_CreateOrder_TR11_ClickSignOut-1      | 1         | 202     | 202  | 202  | 0.00      | 0.00%   | 5.0/sec    | 22.86       | 3.82      | 4728.0   |
| SC01_petStore_CreateOrder_TR11_ClickSignOut        | 1         | 722     | 722  | 722  | 0.00      | 0.00%   | 1.4/sec    | 13.10       | 3.20      | 9749.0   |
| Debug Sampler                                      | 1         | 2       | 2    | 2    | 0.00      | 0.00%   | 500.0/sec  | 584.47      | 0.00      | 1197.0   |
| TOTAL  | 55        | 496     | 2    | 2314 | 458.13    | 0.00%   | 28.6/min   | 2.31        | 0.47      | 4958.7   |

## c) Aggregate report

Aggregate Report

Name:Aggregate Report

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only:

☐Errors

☐Successes

Configure

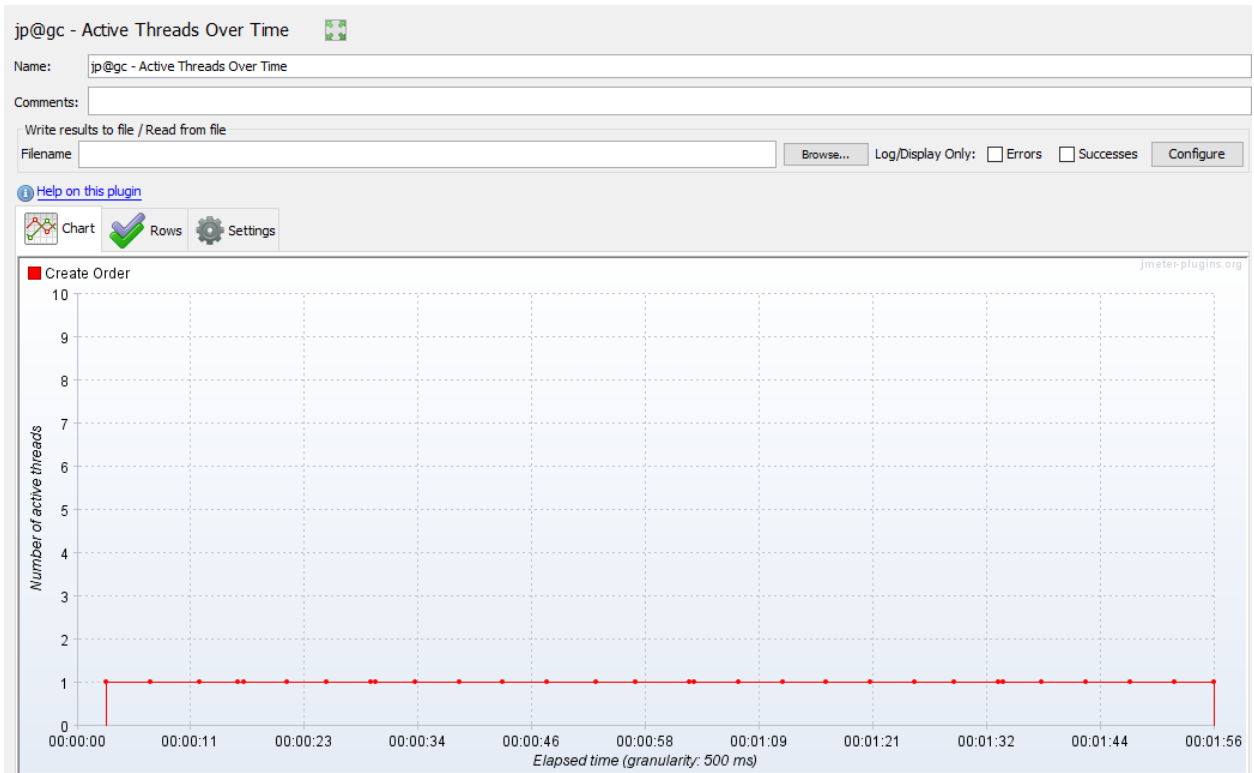
| Label   | # Samples | Average | Median | 90% Line | 95% Line | 99% Line | Min  | Maximum | Error % | Thro...   | Re...  | Se... |
|---|-----------|---------|--------|----------|----------|----------|------|---------|---------|-----------|--------|-------|
| SC01_petStore_CreateOrder_TR01_EnterTheStore-0    | 1         | 2314    | 2314   | 2314     | 2314     | 2314     | 2314 | 2314    | 0.00%   | 25.9/min  | 2.29   | 0.30  |
| SC01_petStore_CreateOrder_TR01_EnterTheStore      | 1         | 2314    | 2314   | 2314     | 2314     | 2314     | 2314 | 2314    | 0.00%   | 24.9/min  | 2.19   | 0.29  |
| SC01_petStore_CreateOrder_TR02_ClickSignIn-0      | 1         | 326     | 326    | 326      | 326      | 326      | 326  | 326     | 0.00%   | 3.1/sec   | 11.54  | 2.54  |
| SC01_petStore_CreateOrder_TR02_ClickSignIn        | 1         | 326     | 326    | 326      | 326      | 326      | 326  | 326     | 0.00%   | 3.0/sec   | 11.29  | 2.48  |
| SC01_petStore_CreateOrder_TR03_LoginCredential... | 1         | 729     | 729    | 729      | 729      | 729      | 729  | 729     | 0.00%   | 1.4/sec   | 6.85   | 2.92  |
| SC01_petStore_CreateOrder_TR03_LoginCredetails    | 1         | 729     | 729    | 729      | 729      | 729      | 729  | 729     | 0.00%   | 1.4/sec   | 6.81   | 2.91  |
| SC01_petStore_CreateOrder_TR04_ClickProduct-0     | 3         | 455     | 395    | 669      | 669      | 669      | 301  | 669     | 0.00%   | 2.8/min   | 0.16   | 0.04  |
| SC01_petStore_CreateOrder_TR04_ClickProduct       | 3         | 455     | 395    | 669      | 669      | 669      | 301  | 669     | 0.00%   | 2.8/min   | 0.16   | 0.04  |
| SC01_petStore_CreateOrder_TR05_SelectProductid-0  | 3         | 459     | 436    | 634      | 634      | 634      | 307  | 634     | 0.00%   | 2.8/min   | 0.18   | 0.04  |
| SC01_petStore_CreateOrder_TR05_SelectProductid    | 3         | 459     | 436    | 634      | 634      | 634      | 307  | 634     | 0.00%   | 2.8/min   | 0.18   | 0.04  |
| SC01_petStore_CreateOrder_TR06_AddToCartActio...  | 3         | 242     | 228    | 323      | 323      | 323      | 177  | 323     | 0.00%   | 2.8/min   | 0.21   | 0.04  |
| SC01_petStore_CreateOrder_TR06_AddToCartAction    | 3         | 242     | 228    | 323      | 323      | 323      | 177  | 323     | 0.00%   | 2.8/min   | 0.21   | 0.04  |
| SC01_petStore_CreateOrder_TR07_CartDetails-0      | 3         | 729     | 458    | 1492     | 1492     | 1492     | 238  | 1492    | 0.00%   | 2.8/min   | 0.24   | 0.04  |
| SC01_petStore_CreateOrder_TR07_CartDetails-1      | 3         | 292     | 298    | 303      | 303      | 303      | 275  | 303     | 0.00%   | 2.8/min   | 0.24   | 0.04  |
| SC01_petStore_CreateOrder_TR07_CartDetails        | 3         | 1021    | 761    | 1790     | 1790     | 1790     | 513  | 1790    | 0.00%   | 2.8/min   | 0.48   | 0.08  |
| SC01_petStore_CreateOrder_TR08_PaymentDetails-0   | 3         | 462     | 383    | 685      | 685      | 685      | 318  | 685     | 0.00%   | 2.8/min   | 0.20   | 0.07  |
| SC01_petStore_CreateOrder_TR08_PaymentDetails     | 3         | 462     | 383    | 685      | 685      | 685      | 318  | 685     | 0.00%   | 2.8/min   | 0.20   | 0.07  |
| SC01_petStore_CreateOrder_TR09_OrderConfirmat...  | 3         | 257     | 237    | 311      | 311      | 311      | 224  | 311     | 0.00%   | 2.8/min   | 0.23   | 0.04  |
| SC01_petStore_CreateOrder_TR09_OrderConfirmat...  | 3         | 257     | 237    | 311      | 311      | 311      | 224  | 311     | 0.00%   | 2.8/min   | 0.23   | 0.04  |
| SC01_petStore_CreateOrder_TR10_ReturnToMainM...   | 3         | 286     | 294    | 296      | 296      | 296      | 270  | 296     | 0.00%   | 2.8/min   | 0.22   | 0.04  |
| SC01_petStore_CreateOrder_TR10_ReturnToMainM...   | 3         | 286     | 294    | 296      | 296      | 296      | 270  | 296     | 0.00%   | 2.8/min   | 0.22   | 0.04  |
| SC01_petStore_CreateOrder_TR11_ClickSignOut-0     | 1         | 520     | 520    | 520      | 520      | 520      | 520  | 520     | 0.00%   | 1.9/sec   | 9.43   | 2.99  |
| SC01_petStore_CreateOrder_TR11_ClickSignOut-1     | 1         | 202     | 202    | 202      | 202      | 202      | 202  | 202     | 0.00%   | 5.0/sec   | 22.86  | 3.82  |
| SC01_petStore_CreateOrder_TR11_ClickSignOut       | 1         | 722     | 722    | 722      | 722      | 722      | 722  | 722     | 0.00%   | 1.4/sec   | 13.10  | 3.20  |
| Debug Sampler                                     | 1         | 2       | 2      | 2        | 2        | 2        | 2    | 2       | 0.00%   | 500.0/... | 584.47 | 0.00  |
| TOTAL   | 55        | 496     | 318    | 729      | 1492     | 2314     | 2    | 2314    | 0.00%   | 28.6/min  | 2.31   | 0.47  |

# NPAT FINAL ASSIGNMENT

ANOBHAMA V

10683509

## d) Active Thread Over Time



## e) Results in table

View Results in Table

Name: View Results in Table

Comments:

Write results to file / Read from file

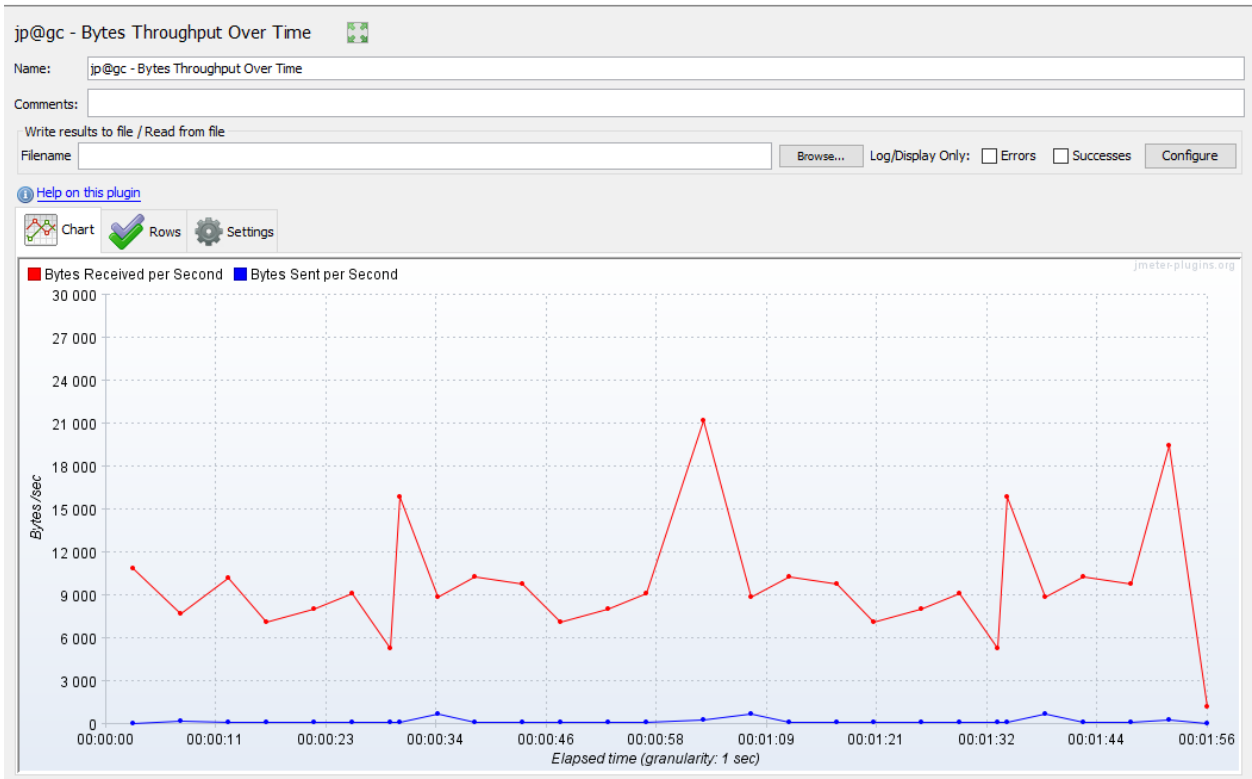
Filename:  Browse... Log/Display Only: ☐ Errors ☐ Successes

| Sample # | Start Time   | Thread Name      | Label              | Sample Time(ms) | Status | Bytes | Sent Bytes | Latency | Connect Time(ms) |
|----------|--------------|------------------|--------------------|-----------------|--------|-------|------------|---------|------------------|
| 1        | 04:22:33.509 | Create Order 1-1 | SC01_ipetStore_... | 2314            | ✓      | 5419  | 716        | 2313    | 1239             |
| 2        | 04:22:33.449 | Create Order 1-1 | SC01_ipetStore_... | 2314            | ✓      | 5419  | 716        | 2313    | 1239             |
| 3        | 04:22:39.970 | Create Order 1-1 | SC01_ipetStore_... | 326             | ✓      | 3851  | 847        | 326     | 0                |
| 4        | 04:22:39.968 | Create Order 1-1 | SC01_ipetStore_... | 326             | ✓      | 3851  | 847        | 326     | 0                |
| 5        | 04:22:44.369 | Create Order 1-1 | SC01_ipetStore_... | 729             | ✓      | 5114  | 2182       | 418     | 0                |
| 6        | 04:22:44.368 | Create Order 1-1 | SC01_ipetStore_... | 729             | ✓      | 5114  | 2182       | 418     | 0                |
| 7        | 04:22:49.198 | Create Order 1-1 | SC01_ipetStore_... | 301             | ✓      | 3559  | 825        | 301     | 0                |
| 8        | 04:22:49.197 | Create Order 1-1 | SC01_ipetStore_... | 301             | ✓      | 3559  | 825        | 301     | 0                |
| 9        | 04:22:53.603 | Create Order 1-1 | SC01_ipetStore_... | 436             | ✓      | 4026  | 857        | 436     | 0                |
| 10       | 04:22:53.602 | Create Order 1-1 | SC01_ipetStore_... | 436             | ✓      | 4026  | 857        | 436     | 0                |
| 11       | 04:22:58.053 | Create Order 1-1 | SC01_ipetStore_... | 177             | ✓      | 4568  | 856        | 177     | 0                |
| 12       | 04:22:58.052 | Create Order 1-1 | SC01_ipetStore_... | 177             | ✓      | 4568  | 856        | 177     | 0                |
| 13       | 04:23:02.250 | Create Order 1-1 | SC01_ipetStore_... | 458             | ✓      | 5304  | 836        | 457     | 0                |
| 14       | 04:23:02.712 | Create Order 1-1 | SC01_ipetStore_... | 303             | ✓      | 5304  | 836        | 303     | 0                |
| 15       | 04:23:02.249 | Create Order 1-1 | SC01_ipetStore_... | 761             | ✓      | 10608 | 1672       | 760     | 0                |
| 16       | 04:23:07.036 | Create Order 1-1 | SC01_ipetStore_... | 383             | ✓      | 4426  | 1478       | 382     | 0                |
| 17       | 04:23:07.035 | Create Order 1-1 | SC01_ipetStore_... | 383             | ✓      | 4426  | 1478       | 382     | 0                |
| 18       | 04:23:11.483 | Create Order 1-1 | SC01_ipetStore_... | 237             | ✓      | 5128  | 812        | 236     | 0                |
| 19       | 04:23:11.482 | Create Order 1-1 | SC01_ipetStore_... | 237             | ✓      | 5128  | 812        | 236     | 0                |
| 20       | 04:23:15.827 | Create Order 1-1 | SC01_ipetStore_... | 296             | ✓      | 4896  | 814        | 296     | 0                |
| 21       | 04:23:15.826 | Create Order 1-1 | SC01_ipetStore_... | 296             | ✓      | 4896  | 814        | 296     | 0                |
| 22       | 04:23:20.186 | Create Order 1-1 | SC01_ipetStore_... | 669             | ✓      | 3559  | 825        | 669     | 0                |
| 23       | 04:23:20.185 | Create Order 1-1 | SC01_ipetStore_... | 669             | ✓      | 3559  | 825        | 669     | 0                |
| 24       | 04:23:24.909 | Create Order 1-1 | SC01_ipetStore_... | 634             | ✓      | 4026  | 857        | 634     | 0                |
| 25       | 04:23:24.908 | Create Order 1-1 | SC01_ipetStore_... | 634             | ✓      | 4026  | 857        | 634     | 0                |
| 26       | 04:23:29.618 | Create Order 1-1 | SC01_ipetStore_... | 228             | ✓      | 4568  | 856        | 227     | 0                |
| 27       | 04:23:29.617 | Create Order 1-1 | SC01_ipetStore_... | 228             | ✓      | 4568  | 856        | 227     | 0                |

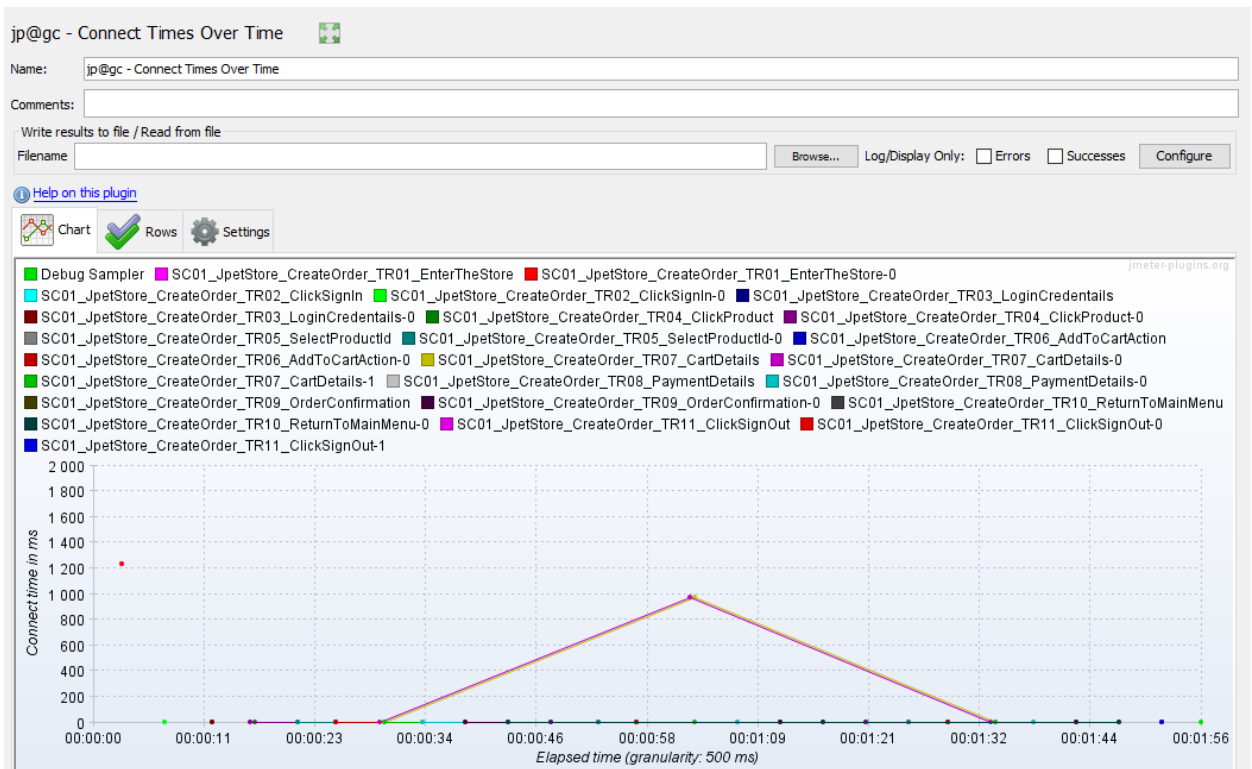
☐ Scroll automatically? ☐ Child samples? No of Samples 55 Latest Sample 2 Average 496 Deviation 458



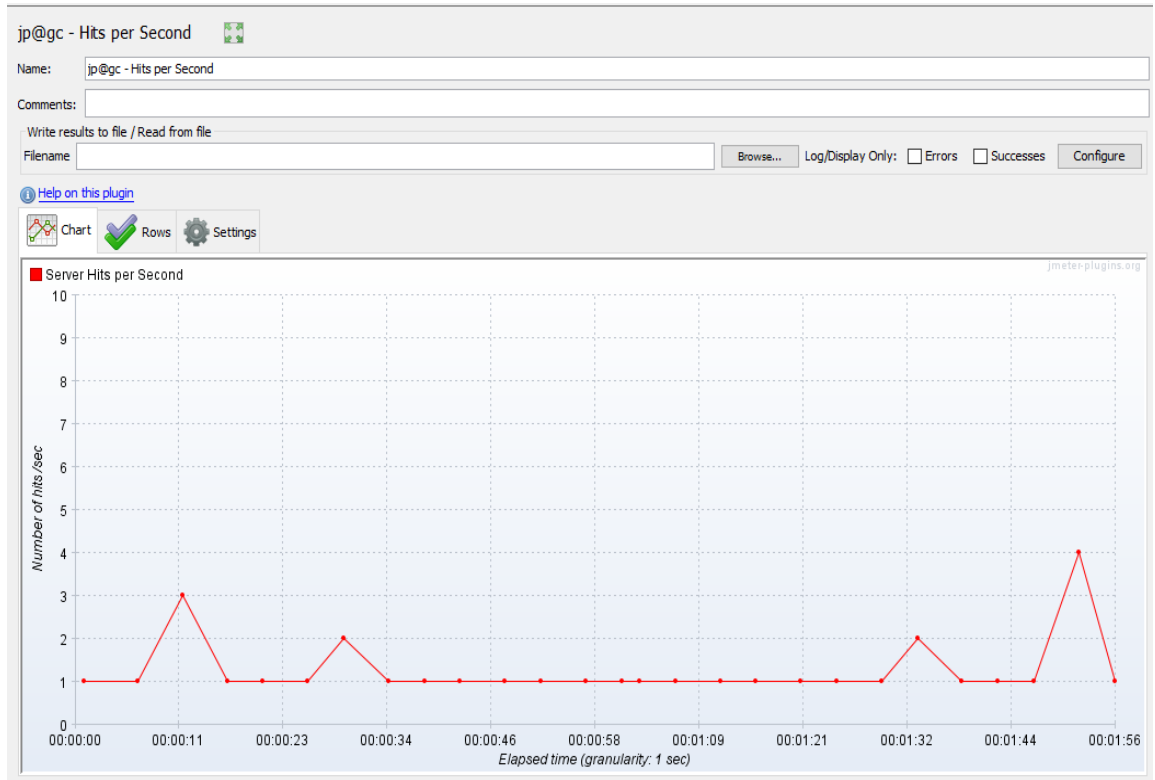
## f) Bytes Throughput Over Time



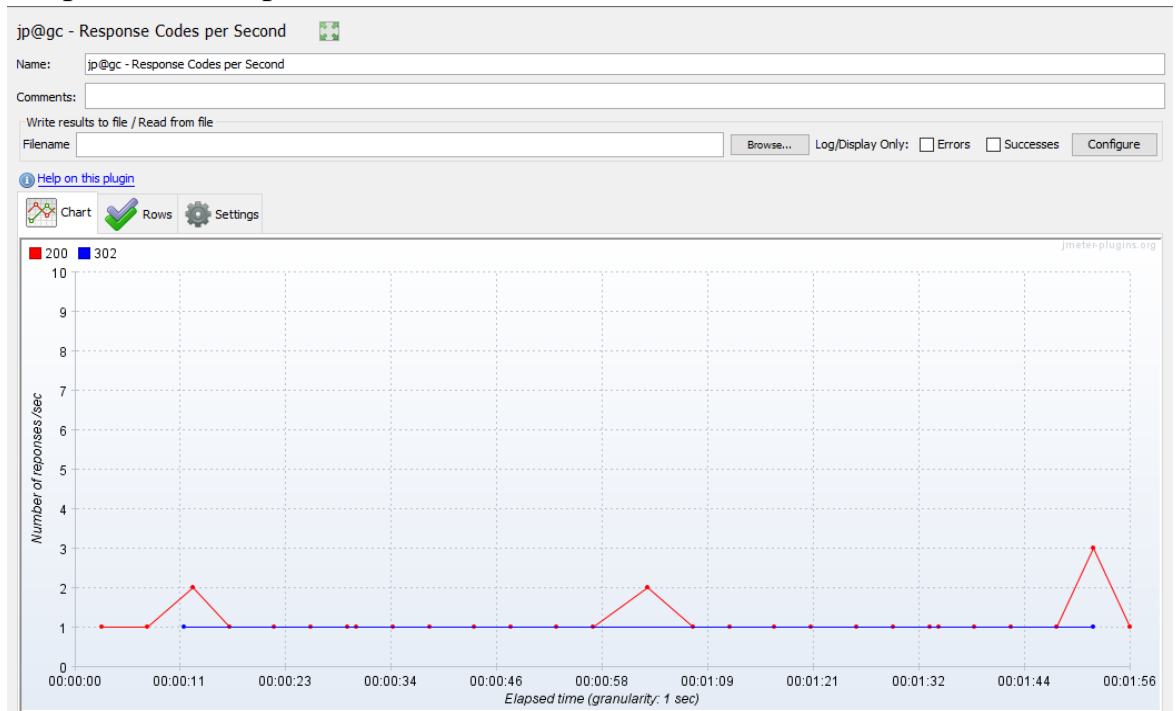
## g) Connect Times Over Time



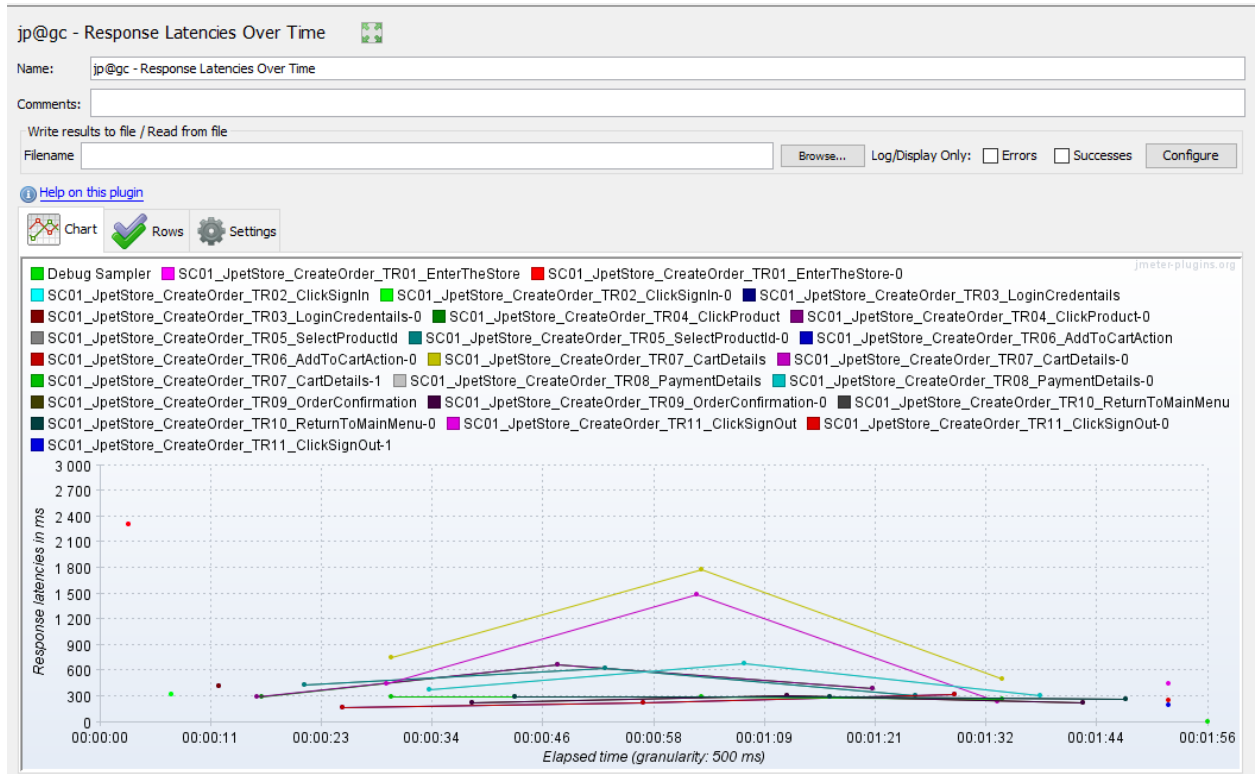
## h) Hits for second



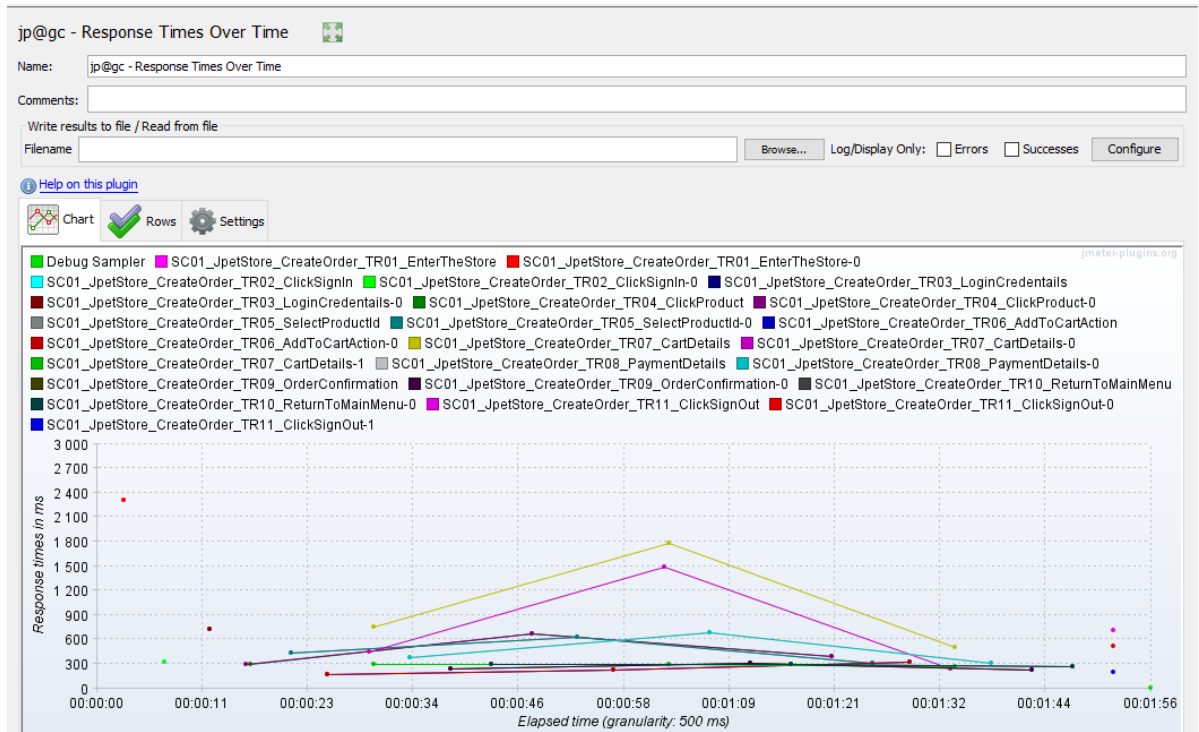
## i) Response Codes per Sec



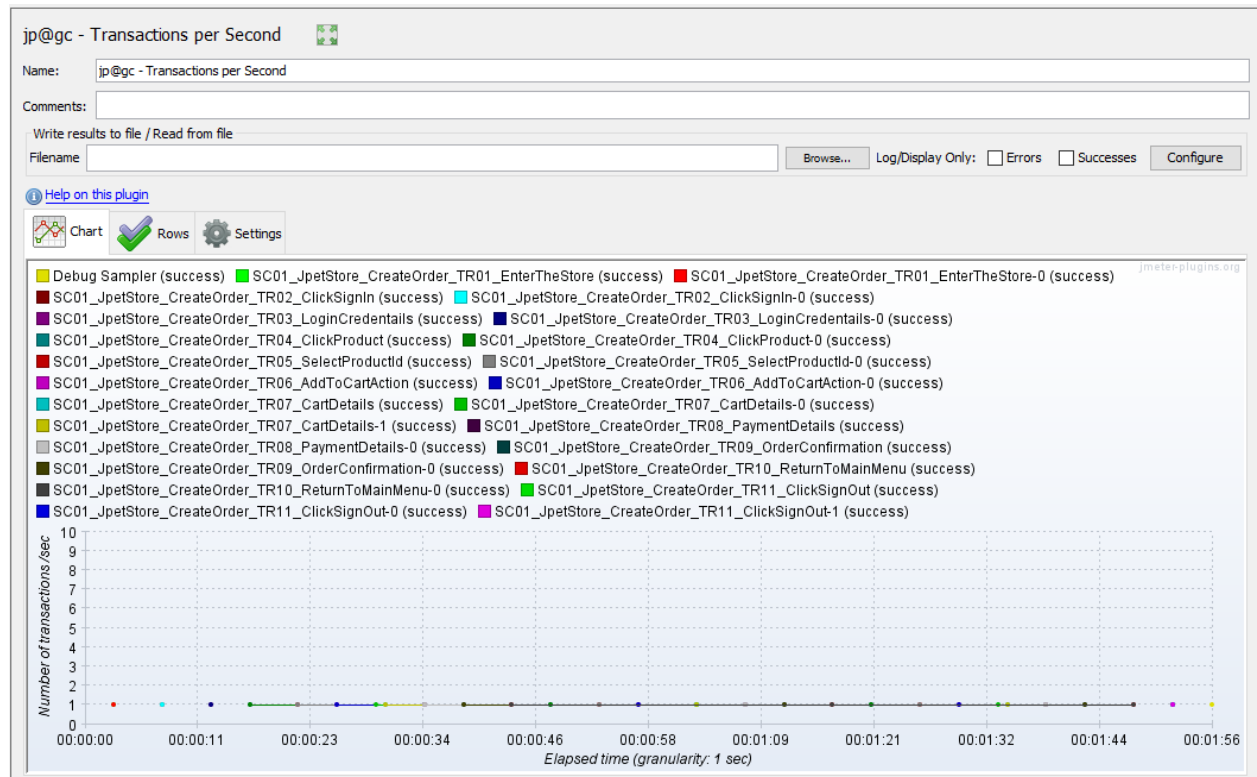
## j) Response Latencies Over Time



## k) Response Times Over Time



## 1) Transactions per Second



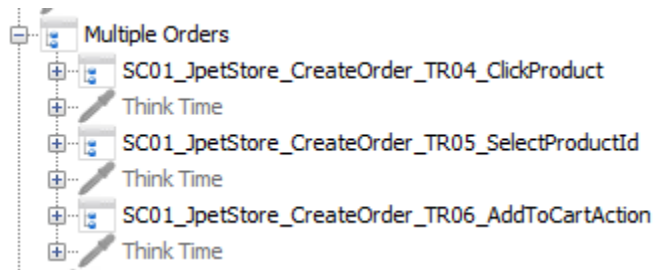
### MULTIPLE ORDER ID'S WITH DIFFERENT PRODUCT AND CATEGORY ID FOR DIFFERENT USERS

- 8) Step 1 to 7 are same.
- 9) Here multiple users are created and parameterized in CSV data set config using csv file as below

|   | A        | B        | C |
|---|----------|----------|---|
| 1 | Username | Password |   |
| 2 | Anobham  | anu23    |   |
| 3 | usera    | qwerty   |   |
| 4 | userb    | qwerty   |   |
| 5 | userc    | qwerty   |   |
| 6 | userd    | qwerty   |   |
| 7 |          |          |   |
| 8 |          |          |   |

10) Add loop controller for product selection, product Id and add to cart action.

11)



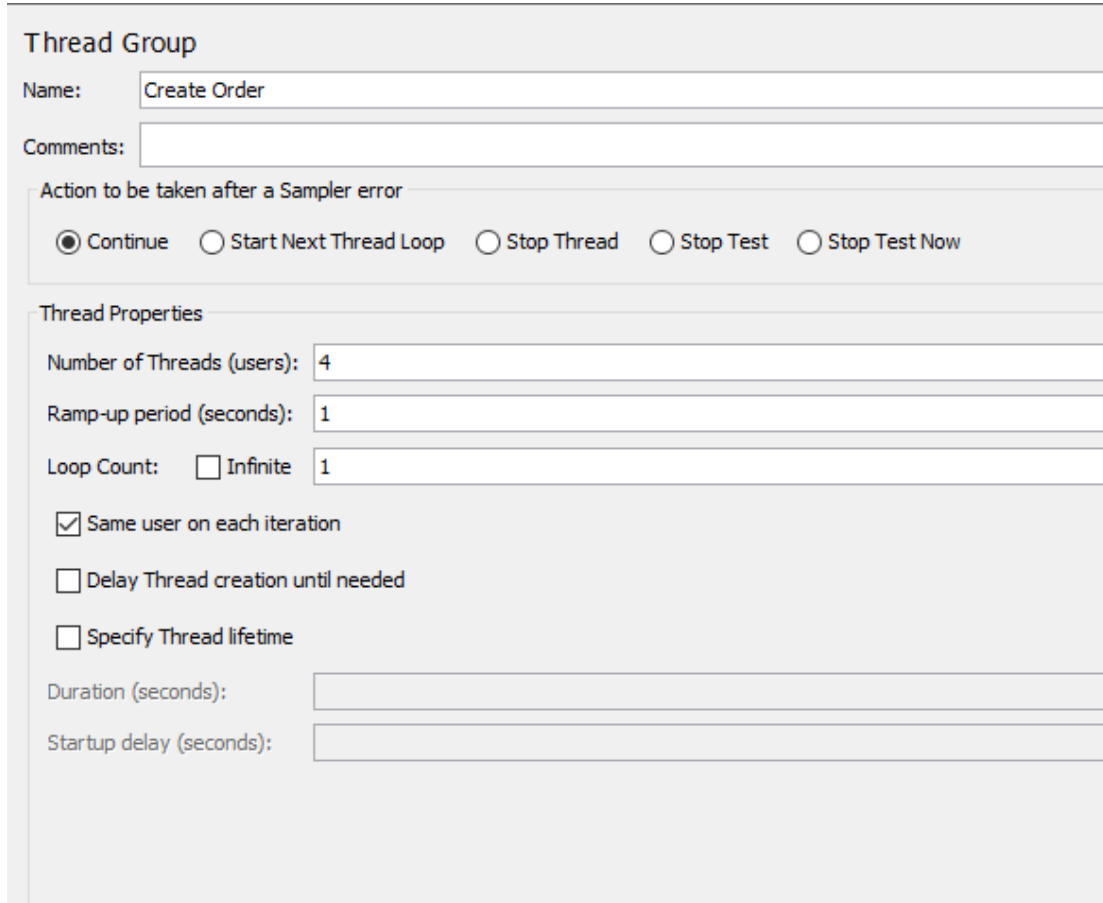
12) To control the iteration used a counter from config element .

| Counter   |         |
|---|---------|
| Name:   | Counter |
| Comments:   |         |
| Starting value  | 1       |
| Increment   | 1       |
| Maximum value   | 5       |
| Number format   |         |
| Exported Variable Name  | value   |
| <input type="checkbox"/> Track counter independently for each user    |         |
| <input type="checkbox"/> Reset counter on each Thread Group Iteration |         |

13) The counter value is parameterized in loop controller

| Loop Controller |  |
|-----------------|--|
| Name:           | Multiple Orders  |
| Comments:       |  |
| Loop Count:     | <input type="checkbox"/> Infinite <input checked="" type="checkbox"/> <code>\${value}</code> |

- 14) To perform for how much users is determined in the thread group.  
Here I took 4 users to perform order placement.



The screenshot shows the 'Thread Group' configuration window in JMeter. The 'Name' field is set to 'Create Order'. The 'Comments' field is empty. Under 'Action to be taken after a Sampler error', the 'Continue' radio button is selected. Under 'Thread Properties', 'Number of Threads (users)' is set to 4, 'Ramp-up period (seconds)' is set to 1, and 'Loop Count' is set to 1 with the 'Infinite' checkbox unchecked. The 'Same user on each iteration' checkbox is checked, while 'Delay Thread creation until needed' and 'Specify Thread lifetime' are unchecked. The 'Duration (seconds)' and 'Startup delay (seconds)' fields are empty.

| Thread Group  |  |
|---|--|
| Name:   | Create Order                                 |
| Comments:   |  |
| Action to be taken after a Sampler error                        |  |
| <input checked="" type="radio"/> Continue                       | <input type="radio"/> Start Next Thread Loop |
| <input type="radio"/> Stop Thread                               | <input type="radio"/> Stop Test              |
| <input type="radio"/> Stop Test Now                             |  |
| Thread Properties   |  |
| Number of Threads (users):                                      | 4  |
| Ramp-up period (seconds):                                       | 1  |
| Loop Count:   | <input type="checkbox"/> Infinite 1          |
| <input checked="" type="checkbox"/> Same user on each iteration |  |
| <input type="checkbox"/> Delay Thread creation until needed     |  |
| <input type="checkbox"/> Specify Thread lifetime                |  |
| Duration (seconds):   |  |
| Startup delay (seconds):  |  |

- 15) To write the output into a file, Bean Shell Post Processor is used.  
Username is added to know which user has which order id to see whether its reflected in the website.

# NPAT FINAL ASSIGNMENT

ANOBHAMA V

10683509

BeanShell PostProcessor

Name: OverAll check

Comments:

Reset bsh.Interpreter before each call

Reset Interpreter: False

Parameters to be passed to BeanShell (=> String Parameters and String []bsh.args)

Parameters:

Script file (overrides script)

File Name:

Script (variables: ctx vars props prev data log)

```
1 import org.apache.jmeter.services.FileServer;
2 f=new FileOutputStream("D:\\Performance testing\\apache-jmeter-5.4.1\\bin\\jmeter_scripts\\Csv_files\\output1.txt",true);
3 p=new PrintStream(f);
4 var sessionId=vars.get("C_SessionId");
5 var source1=vars.get("C_SrcPage1");
6 var fp1=vars.get("C_Fp");
7 var source2=vars.get("C_SrcPage2");
8 var fp2=vars.get("C_Fp2");
9 var categoryId=vars.get("C_CategoryId");
10 var productId=vars.get("C_ProductId");
11 var itemId=vars.get("C_ItemId");
12 var order=vars.get("C_OrderId");
13 var user = vars.get("P_username");
14
15 p.println("OUTPUT");
16 p.println("Username =>" +user);
17 p.println("SessionId =>" +sessionId);
18 p.println("Order id =>" +order);
19 p.println("CategoryId =>" +categoryId);
20 p.println("productId =>" +productId);
21 p.println("itemId =>" +itemId);
22 p.println("Source1 =>" +source1);
23 p.println("Fp1 =>" +fp1);
```

## OUTPUT

a) In output file of BeanShell Post Processor which has 4 users with different

➔ Order id

➔ Category id

➔ Product id

➔ Item id

```
OUTPUT
Username =>Anobhama
SessionId =>F5136037720B34EEF26519EFA8FE7638
Order id =>4118
CategoryId =>B1RDS
productId =>AV-CB-01
itemId =>EST-18
Source1 =>LQfLUart45856fREVlg_v1Zyqmql-h1-TAHxgK9to5dKMLZTXb1Ee1TIW726K76ydcRyFNF3XQdZY165qAyXHSr2rBzd0Zn7ugsg6R3JSL6w=
Fp1 =>McuhelsYHjE865rRM0PslJvKuRax14bP01ggdHdzK9tH6u8wBc8I4CnyvKJ5sD5
Source2 =>g8Jjmr_iyo-pR2K709v0Mzo-gPQ3nL_rVcTVj1FVYPOPATQ_TwHh6LhPze2he1g7QjQ7-dhHedaqjnDCZ9TffjJJrRhFEoGSISgJToSmc=
Fp2 =>u9xV-1AJ7CxcDRN3BX_KYH4vw2pICeL7XvN11k1Y_RE0syb1YLndt1qK7nH1pXr-wr3m03okogf3rhg5TbAmXbFI_36TrR1Hogk46o8G0aw0_01kx74cww=
*****
OUTPUT
Username =>usera
SessionId =>8C3F598C9C764179171A729E6F440802
Order id =>4119
CategoryId =>D0G5
productId =>K9-BD-01
itemId =>EST-7
Source1 =>Yro0zeuObrfr7FguEBtl2wrTmv-WUEB2q120CF1ER1cZKV1weXtAhASrN0rxbW2TMzKJ3kVUnIhdmNvVH7g0dtF90e_GbyCb-NyonHqY=
Fp1 =>c9rXFPd_NgLv66fI8gkL_YcUwnJgY8kR0mmEvyotZD4pHbcN1QeV6Ahhn7Dx7Aq5E
Source2 =>CYH6KRLRlyZCxtvT1b1Cn1hBLZ4pkrMgfV9N3G0mHdNjG1t1jNnM4zjKXkJGNh2Ywfc3p2J1aIm60jNVzrgyX-z8Ldx4FUM7V1xKjmcA0=
Fp2 =>0T_yaEsDmXoc3Rw1Q1TuZT10L1U0r6DpY2XmVq9daecKzS15TQxxx7US8XUGY071UKWIDFuhFRNB4y4J1U1Q2s5vQ-BGMAeeoq5FPM8em5rN4H3C3wuu4w==
*****
OUTPUT
Username =>userb
SessionId =>A47D143D7383204DF96190F1418E750C
Order id =>4120
CategoryId =>FISH
productId =>FI-SH-02
itemId =>EST-3
Source1 =>B0QAPK7Om-ZvYHfHvJ1meK1Y-PU6Hrjhtgez0nL1PMmZgfooU-AP4cU3bMzfGRUJ7wynwz113wgp29jom1jB0871C3k2ZRLzFc5d0S0ZmBA=
Fp1 =>b7FDKduIVT9IOIcZhy9CsQ4EkT_1tRHqabColzFojA7rd1BfSvr6YntwRBckg
Source2 =>80D3JJeJwKEhobjjj6Gehnv_ucZsJEGGj2j4m0S3JUodq8_3VraRg2K-PcdHMrDPPrqa9m2pFDy0LZJBH-aZ1VR3V1hckUVN2eeP2XAnys=
Fp2 =>6gRPJfPMYK0_4c8TFnrRr0hnnGNe9pk-RnZ_q12mjTFEcf6EjB5Ed15Zh8YkvutKfpjjVmmWJW97J1zVFUz7z3mwEt12AYkzVou7rapXcQyo1_NbXFFW1A==
*****
OUTPUT
Username =>userc
SessionId =>1CE874C328C3D09EDE71E07732D3E8B2
Order id =>4121
CategoryId =>B1RDS
productId =>AV-CB-01
itemId =>EST-18
Source1 =>Vuie194W6cReF1Ex8cg5Kvt4_c50R40d2HCcwS03vFRf6yUHKxkOCZ0qrc3QqM5yp82fGY2K50hwtRsd1ReFrbbzquhaEq3m1W5FY_jEXdU=
Fp1 =>hgW3K31oA5AgmTY_51FdGzkD-rkukBL3Ua2PHGagR_vu1T7mseT-kVc37ueNHBXk
Source2 =>Lk4b4WewEd1IITrD6Z3wHo8G3vH7m-EpBk8H_1aGACp1VhoZ-wDYXoJkBX-0gkjp1X0g-YLSNRGQUXYTyZ7_nISww8X111w2Gv0o3NDH=
```

b) In JPetStore website , each user has different product items in the orders placed

→ Anobhama user

|                                       |                                   |          |          |            |
|---------------------------------------|-----------------------------------|----------|----------|------------|
| Fish   Dogs   Reptiles   Cats   Birds |                                   |          |          |            |
| Order #4118 2021/09/23 12:00:00       |                                   |          |          |            |
| Payment Details                       |                                   |          |          |            |
| Card Type:                            | Visa                              |          |          |            |
| Card Number:                          | 999 9999 9999 9999 * Fake number! |          |          |            |
| Expiry Date (MM/YYYY):                | 12/03                             |          |          |            |
| Billing Address                       |                                   |          |          |            |
| First name:                           | Ano                               |          |          |            |
| Last name:                            | Bhama                             |          |          |            |
| Address 1:                            | 203                               |          |          |            |
| Address 2:                            | Maheswari Nivas                   |          |          |            |
| City:                                 | ngl                               |          |          |            |
| State:                                | tn                                |          |          |            |
| Zip:                                  | 04                                |          |          |            |
| Country:                              | India                             |          |          |            |
| Shipping Address                      |                                   |          |          |            |
| First name:                           | Ano                               |          |          |            |
| Last name:                            | Bhama                             |          |          |            |
| Address 1:                            | 203                               |          |          |            |
| Address 2:                            | Maheswari Nivas                   |          |          |            |
| City:                                 | ngl                               |          |          |            |
| State:                                | tn                                |          |          |            |
| Zip:                                  | 04                                |          |          |            |
| Country:                              | India                             |          |          |            |
| Courier:                              | UPS                               |          |          |            |
| Status: P                             |                                   |          |          |            |
| Item ID                               | Description                       | Quantity | Price    | Total Cost |
| EST-18                                | Adult Male Amazon Parrot          | 1        | \$193.50 | \$193.50   |
| Total: \$193.50                       |                                   |          |          |            |

→ Usera

| Fish   Dogs   Reptiles   Cats   Birds |                                   |          |          |            |
|---------------------------------------|-----------------------------------|----------|----------|------------|
| Order #4119 2021/09/23 12:00:00       |                                   |          |          |            |
| Payment Details                       |                                   |          |          |            |
| Card Type:                            | Visa                              |          |          |            |
| Card Number:                          | 999 9999 9999 9999 * Fake number! |          |          |            |
| Expiry Date (MM/YYYY):                | 12/03                             |          |          |            |
| Billing Address                       |                                   |          |          |            |
| First name:                           | a                                 |          |          |            |
| Last name:                            | a                                 |          |          |            |
| Address 1:                            | asdfasdf                          |          |          |            |
| Address 2:                            | asdfasdf                          |          |          |            |
| City:                                 | chennai                           |          |          |            |
| State:                                | TN                                |          |          |            |
| Zip:                                  | 123456                            |          |          |            |
| Country:                              | India                             |          |          |            |
| Shipping Address                      |                                   |          |          |            |
| First name:                           | a                                 |          |          |            |
| Last name:                            | a                                 |          |          |            |
| Address 1:                            | asdfasdf                          |          |          |            |
| Address 2:                            | asdfasdf                          |          |          |            |
| City:                                 | chennai                           |          |          |            |
| State:                                | TN                                |          |          |            |
| Zip:                                  | 123456                            |          |          |            |
| Country:                              | India                             |          |          |            |
| Courier:                              | UPS                               |          |          |            |
| Status: P                             |                                   |          |          |            |
| Item ID                               | Description                       | Quantity | Price    | Total Cost |
| EST-28                                | Adult Female Golden Retriever     | 1        | \$155.29 | \$155.29   |
| EST-7                                 | Female Puppy Bulldog              | 1        | \$18.50  | \$18.50    |
| Total:                                |                                   |          | \$173.79 |            |



# NPAT FINAL ASSIGNMENT

ANOBHAMA V  
10683509

➔ Userb

Fish | Dogs | Reptiles | Cats | Birds

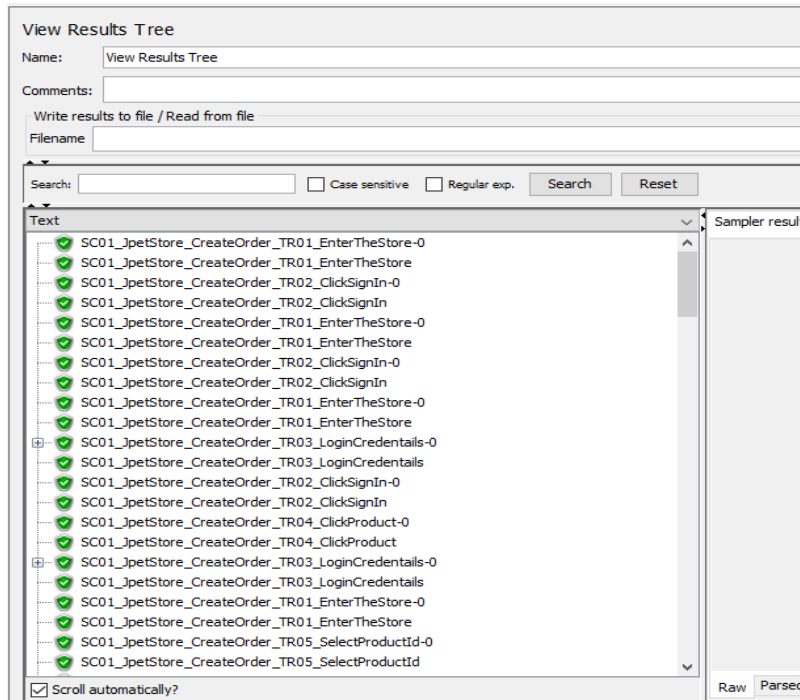
|                                 |                                   |          |         |            |
|---------------------------------|-----------------------------------|----------|---------|------------|
| Order #4120 2021/09/23 12:00:00 |                                   |          |         |            |
| Payment Details                 |                                   |          |         |            |
| Card Type:                      | Visa                              |          |         |            |
| Card Number:                    | 999 9999 9999 9999 * Fake number! |          |         |            |
| Expiry Date (MM/YYYY):          | 12/03                             |          |         |            |
| Billing Address                 |                                   |          |         |            |
| First name:                     | a                                 |          |         |            |
| Last name:                      | a                                 |          |         |            |
| Address 1:                      | asdfasdf                          |          |         |            |
| Address 2:                      | asdfasdf                          |          |         |            |
| City:                           | chennai                           |          |         |            |
| State:                          | TN                                |          |         |            |
| Zip:                            | 123456                            |          |         |            |
| Country:                        | India                             |          |         |            |
| Shipping Address                |                                   |          |         |            |
| First name:                     | a                                 |          |         |            |
| Last name:                      | a                                 |          |         |            |
| Address 1:                      | asdfasdf                          |          |         |            |
| Address 2:                      | asdfasdf                          |          |         |            |
| City:                           | chennai                           |          |         |            |
| State:                          | TN                                |          |         |            |
| Zip:                            | 123456                            |          |         |            |
| Country:                        | India                             |          |         |            |
| Courier:                        | UPS                               |          |         |            |
| Status: P                       |                                   |          |         |            |
| Item ID                         | Description                       | Quantity | Price   | Total Cost |
| EST-2                           | Small Angelfish                   | 1        | \$16.50 | \$16.50    |
| EST-21                          | Adult Female Goldfish             | 1        | \$5.29  | \$5.29     |
| EST-3                           | Toothless Tiger Shark             | 1        | \$18.50 | \$18.50    |
| Total: \$40.29                  |                                   |          |         |            |

➔ Userc

| Fish   Dogs   Reptiles   Cats   Birds |                                   |          |          |            |
|---------------------------------------|-----------------------------------|----------|----------|------------|
| Order #4121 2021/09/23 12:00:00       |                                   |          |          |            |
| Payment Details                       |                                   |          |          |            |
| Card Type:                            | Visa                              |          |          |            |
| Card Number:                          | 999 9999 9999 9999 * Fake number! |          |          |            |
| Expiry Date (MM/YYYY):                | 12/03                             |          |          |            |
| Billing Address                       |                                   |          |          |            |
| First name:                           | a                                 |          |          |            |
| Last name:                            | a                                 |          |          |            |
| Address 1:                            | asdfasdf                          |          |          |            |
| Address 2:                            | asdfasdf                          |          |          |            |
| City:                                 | chennai                           |          |          |            |
| State:                                | TN                                |          |          |            |
| Zip:                                  | 123456                            |          |          |            |
| Country:                              | India                             |          |          |            |
| Shipping Address                      |                                   |          |          |            |
| First name:                           | a                                 |          |          |            |
| Last name:                            | a                                 |          |          |            |
| Address 1:                            | asdfasdf                          |          |          |            |
| Address 2:                            | asdfasdf                          |          |          |            |
| City:                                 | chennai                           |          |          |            |
| State:                                | TN                                |          |          |            |
| Zip:                                  | 123456                            |          |          |            |
| Country:                              | India                             |          |          |            |
| Courier:                              | UPS                               |          |          |            |
| Status: P                             |                                   |          |          |            |
| Item ID                               | Description                       | Quantity | Price    | Total Cost |
| EST-18                                | Adult Male Amazon Parrot          | 3        | \$193.50 | \$580.50   |
| EST-19                                | Adult Male Finch                  | 1        | \$15.50  | \$15.50    |
| Total:                                |                                   |          | \$596.00 |            |

16) This is analyzed by graphs as follows

a) View Result Tree



b) Summary report

| Summary Report                         |           |                |     |                   |           |                                 |            |                                    |          |           |  |
|--|-----------|----------------|-----|-------------------|-----------|---------------------------------|------------|------------------------------------|----------|-----------|--|
| Name:                                  |           | Summary Report |     |                   |           |                                 |            |                                    |          |           |  |
| Comments:                              |           |                |     |                   |           |                                 |            |                                    |          |           |  |
| Write results to file / Read from file |           |                |     |                   |           |                                 |            |                                    |          |           |  |
| Filename                               |           | Browse...      |     | Log/Display Only: |           | <input type="checkbox"/> Errors |            | <input type="checkbox"/> Successes |          | Configure |  |
| Label                                  | # Samples | Average        | Min | Max               | Std. Dev. | Error %                         | Throughput | Received...                        | Sent ... | Avg. ...  |  |
| SC01_petStore_CreateOrder_TR01_E...    | 9         | 709            | 663 | 777               | 37.81     | 0.00%                           | 36.4/hour  | 0.05                               | 0.01     | 5419.0    |  |
| SC01_petStore_CreateOrder_TR01_E...    | 9         | 709            | 663 | 777               | 37.81     | 0.00%                           | 36.4/hour  | 0.05                               | 0.01     | 5419.0    |  |
| SC01_petStore_CreateOrder_TR02_C...    | 9         | 165            | 162 | 173               | 4.08      | 0.00%                           | 36.6/hour  | 0.04                               | 0.01     | 3848.1    |  |
| SC01_petStore_CreateOrder_TR02_C...    | 9         | 165            | 162 | 173               | 4.08      | 0.00%                           | 36.6/hour  | 0.04                               | 0.01     | 3848.1    |  |
| SC01_petStore_CreateOrder_TR03_L...    | 9         | 330            | 322 | 344               | 7.23      | 0.00%                           | 36.7/hour  | 0.05                               | 0.02     | 5112.7    |  |
| SC01_petStore_CreateOrder_TR03_L...    | 9         | 330            | 322 | 344               | 7.23      | 0.00%                           | 36.7/hour  | 0.05                               | 0.02     | 5112.7    |  |
| SC01_petStore_CreateOrder_TR04_C...    | 21        | 166            | 161 | 173               | 4.43      | 0.00%                           | 1.4/min    | 0.09                               | 0.02     | 3774.4    |  |
| SC01_petStore_CreateOrder_TR04_C...    | 21        | 166            | 161 | 173               | 4.43      | 0.00%                           | 1.4/min    | 0.09                               | 0.02     | 3774.4    |  |
| SC01_petStore_CreateOrder_TR05_S...    | 21        | 166            | 160 | 174               | 4.57      | 0.00%                           | 1.4/min    | 0.09                               | 0.02     | 3829.0    |  |
| SC01_petStore_CreateOrder_TR05_S...    | 21        | 166            | 160 | 174               | 4.57      | 0.00%                           | 1.4/min    | 0.09                               | 0.02     | 3829.0    |  |
| SC01_petStore_CreateOrder_TR06_A...    | 21        | 167            | 162 | 177               | 5.02      | 0.00%                           | 1.4/min    | 0.11                               | 0.02     | 4860.0    |  |
| SC01_petStore_CreateOrder_TR06_A...    | 21        | 167            | 162 | 177               | 5.02      | 0.00%                           | 1.4/min    | 0.11                               | 0.02     | 4860.0    |  |
| Debug Sampler                          | 9         | 0              | 0   | 3                 | 0.94      | 0.00%                           | 37.5/hour  | 0.01                               | 0.00     | 1142.0    |  |
| SC01_petStore_CreateOrder_TR07_C...    | 10        | 166            | 160 | 178               | 5.66      | 0.00%                           | 41.8/hour  | 0.06                               | 0.01     | 5171.2    |  |
| SC01_petStore_CreateOrder_TR07_C...    | 10        | 164            | 160 | 173               | 4.52      | 0.00%                           | 41.8/hour  | 0.06                               | 0.01     | 5171.4    |  |
| SC01_petStore_CreateOrder_TR07_C...    | 10        | 331            | 320 | 346               | 8.73      | 0.00%                           | 41.8/hour  | 0.12                               | 0.02     | 10342.6   |  |
| SC01_petStore_CreateOrder_TR08_P...    | 10        | 165            | 161 | 174               | 4.15      | 0.00%                           | 42.0/hour  | 0.05                               | 0.02     | 4417.2    |  |
| SC01_petStore_CreateOrder_TR08_P...    | 10        | 165            | 161 | 174               | 4.15      | 0.00%                           | 42.0/hour  | 0.05                               | 0.02     | 4417.2    |  |
| SC01_petStore_CreateOrder_TR09_O...    | 10        | 182            | 161 | 316               | 44.60     | 10.00%                          | 42.2/hour  | 0.08                               | 0.01     | 6822.2    |  |
| SC01_petStore_CreateOrder_TR09_O...    | 10        | 182            | 161 | 316               | 44.60     | 10.00%                          | 42.2/hour  | 0.08                               | 0.01     | 6822.2    |  |
| SC01_petStore_CreateOrder_TR10_R...    | 10        | 204            | 159 | 557               | 117.73    | 0.00%                           | 42.4/hour  | 0.06                               | 0.01     | 4878.0    |  |
| SC01_petStore_CreateOrder_TR10_R...    | 10        | 204            | 159 | 557               | 117.73    | 0.00%                           | 42.4/hour  | 0.06                               | 0.01     | 4878.0    |  |
| SC01_petStore_CreateOrder_TR11_C...    | 9         | 328            | 319 | 346               | 9.44      | 0.00%                           | 38.3/hour  | 0.05                               | 0.02     | 5021.0    |  |
| SC01_petStore_CreateOrder_TR11_C...    | 9         | 164            | 160 | 172               | 4.55      | 0.00%                           | 38.3/hour  | 0.05                               | 0.01     | 4728.0    |  |
| SC01_petStore_CreateOrder_TR11_C...    | 9         | 644            | 481 | 1844              | 424.31    | 11.11%                          | 38.3/hour  | 0.14                               | 0.03     | 13842.0   |  |
| TOTAL                                  | 306       | 230            | 0   | 1844              | 174.65    | 0.98%                           | 20.5/min   | 1.67                               | 0.35     | 5013.4    |  |

## c) Aggregate report

Aggregate Report

Name: Aggregate Report

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only:

☐ Errors

☐ Successes

Configure

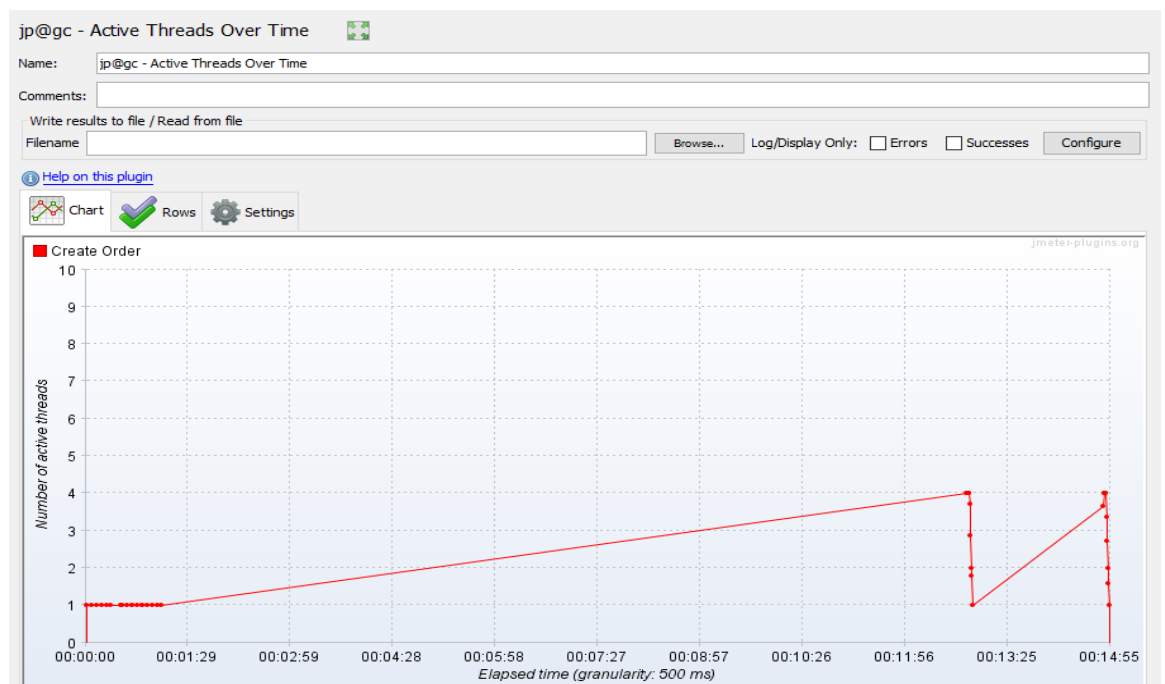
| Label                              | # Samples | Average | Median | 90% Line | 95% Line | 99% Line | Min | Maximum | Error % | Thr...   | ...  | ...  |
|------------------------------------|-----------|---------|--------|----------|----------|----------|-----|---------|---------|----------|------|------|
| SC01_petStore_CreateOrder_TR01_... | 9         | 709     | 706    | 752      | 777      | 777      | 663 | 777     | 0.00%   | 36.4/... | 0.05 | 0.01 |
| SC01_petStore_CreateOrder_TR01_... | 9         | 709     | 706    | 752      | 777      | 777      | 663 | 777     | 0.00%   | 36.4/... | 0.05 | 0.01 |
| SC01_petStore_CreateOrder_TR02_... | 9         | 165     | 163    | 171      | 173      | 173      | 162 | 173     | 0.00%   | 36.6/... | 0.04 | 0.01 |
| SC01_petStore_CreateOrder_TR02_... | 9         | 165     | 163    | 171      | 173      | 173      | 162 | 173     | 0.00%   | 36.6/... | 0.04 | 0.01 |
| SC01_petStore_CreateOrder_TR03_... | 9         | 330     | 328    | 340      | 344      | 344      | 322 | 344     | 0.00%   | 36.7/... | 0.05 | 0.02 |
| SC01_petStore_CreateOrder_TR03_... | 9         | 330     | 328    | 340      | 344      | 344      | 322 | 344     | 0.00%   | 36.7/... | 0.05 | 0.02 |
| SC01_petStore_CreateOrder_TR04_... | 21        | 166     | 166    | 173      | 173      | 173      | 161 | 173     | 0.00%   | 1.4/min  | 0.09 | 0.02 |
| SC01_petStore_CreateOrder_TR04_... | 21        | 166     | 166    | 173      | 173      | 173      | 161 | 173     | 0.00%   | 1.4/min  | 0.09 | 0.02 |
| SC01_petStore_CreateOrder_TR05_... | 21        | 166     | 166    | 172      | 173      | 174      | 160 | 174     | 0.00%   | 1.4/min  | 0.09 | 0.02 |
| SC01_petStore_CreateOrder_TR05_... | 21        | 166     | 166    | 172      | 173      | 174      | 160 | 174     | 0.00%   | 1.4/min  | 0.09 | 0.02 |
| SC01_petStore_CreateOrder_TR06_... | 21        | 167     | 166    | 174      | 175      | 177      | 162 | 177     | 0.00%   | 1.4/min  | 0.11 | 0.02 |
| SC01_petStore_CreateOrder_TR06_... | 21        | 167     | 166    | 174      | 175      | 177      | 162 | 177     | 0.00%   | 1.4/min  | 0.11 | 0.02 |
| Debug Sampler                      | 9         | 0       | 0      | 1        | 3        | 3        | 0   | 3       | 0.00%   | 37.5/... | 0.01 | 0.00 |
| SC01_petStore_CreateOrder_TR07_... | 10        | 166     | 165    | 173      | 173      | 178      | 160 | 178     | 0.00%   | 41.8/... | 0.06 | 0.01 |
| SC01_petStore_CreateOrder_TR07_... | 10        | 164     | 163    | 172      | 172      | 173      | 160 | 173     | 0.00%   | 41.8/... | 0.06 | 0.01 |
| SC01_petStore_CreateOrder_TR07_... | 10        | 331     | 328    | 344      | 344      | 346      | 320 | 346     | 0.00%   | 41.8/... | 0.12 | 0.02 |
| SC01_petStore_CreateOrder_TR08_... | 10        | 165     | 164    | 172      | 172      | 174      | 161 | 174     | 0.00%   | 42.0/... | 0.05 | 0.02 |
| SC01_petStore_CreateOrder_TR08_... | 10        | 165     | 164    | 172      | 172      | 174      | 161 | 174     | 0.00%   | 42.0/... | 0.05 | 0.02 |
| SC01_petStore_CreateOrder_TR09_... | 10        | 182     | 168    | 177      | 177      | 316      | 161 | 316     | 10.00%  | 42.2/... | 0.08 | 0.01 |
| SC01_petStore_CreateOrder_TR09_... | 10        | 182     | 168    | 177      | 177      | 316      | 161 | 316     | 10.00%  | 42.2/... | 0.08 | 0.01 |
| SC01_petStore_CreateOrder_TR10_... | 10        | 204     | 164    | 172      | 172      | 557      | 159 | 557     | 0.00%   | 42.4/... | 0.06 | 0.01 |
| SC01_petStore_CreateOrder_TR10_... | 10        | 204     | 164    | 172      | 172      | 557      | 159 | 557     | 0.00%   | 42.4/... | 0.06 | 0.01 |
| SC01_petStore_CreateOrder_TR11_... | 9         | 328     | 323    | 342      | 346      | 346      | 319 | 346     | 0.00%   | 38.3/... | 0.05 | 0.02 |
| SC01_petStore_CreateOrder_TR11_... | 9         | 164     | 162    | 172      | 172      | 172      | 160 | 172     | 0.00%   | 38.3/... | 0.05 | 0.01 |
| SC01_petStore_CreateOrder_TR11_... | 9         | 644     | 495    | 518      | 1844     | 1844     | 481 | 1844    | 11.11%  | 38.3/... | 0.14 | 0.03 |
| TOTAL                              | 306       | 230     | 167    | 344      | 669      | 752      | 0   | 1844    | 0.98%   | 20.5/... | 1.67 | 0.35 |

☐ Include group name in label?

Save Table Data

☒ Save Table Header

## d) Active Threads Over Time



# NPAT FINAL ASSIGNMENT

ANOBHAMA V

10683509

e) View Results in table

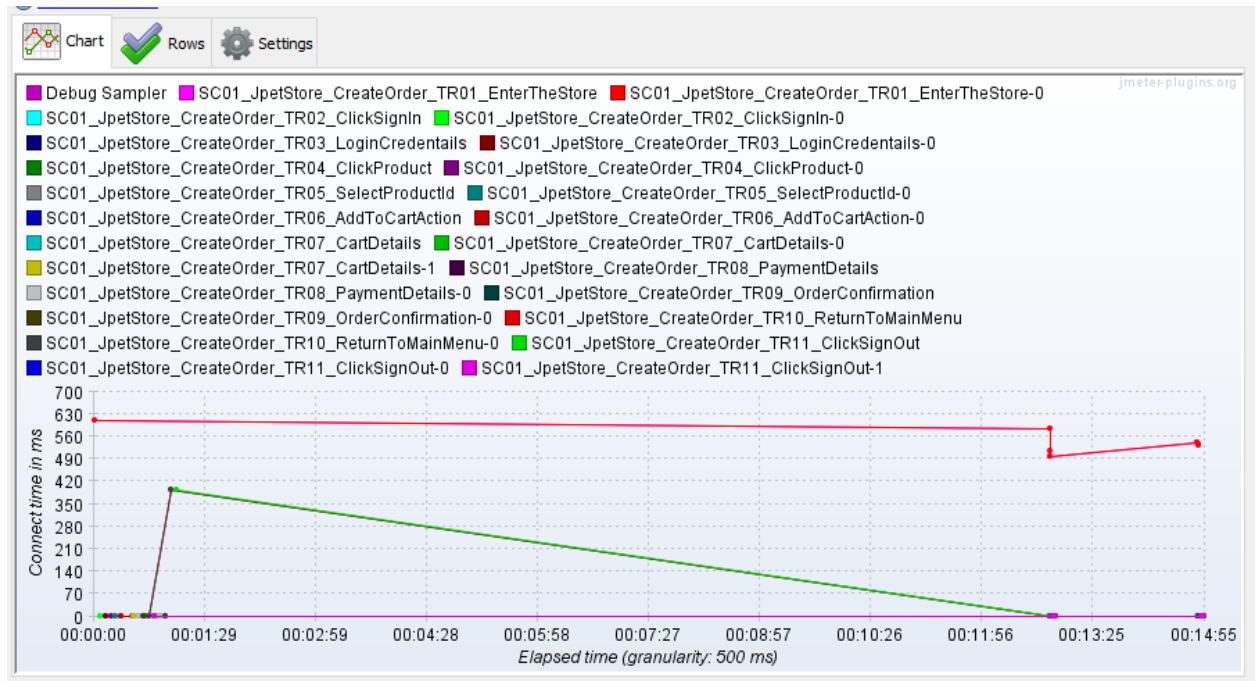
| Sample # | Start Time   | Thread Name      | Label           | Sample Time(... | Status | Bytes | Sent Bytes | Latency | Connect Time... |
|----------|--------------|------------------|-----------------|-----------------|--------|-------|------------|---------|-----------------|
| 1        | 10:17:27.356 | Create Order 1-1 | SC01_petStor... | 777             | ✓      | 5419  | 716        | 777     | 613             |
| 2        | 10:17:27.299 | Create Order 1-1 | SC01_petStor... | 777             | ✓      | 5419  | 716        | 777     | 613             |
| 3        | 10:17:32.229 | Create Order 1-1 | SC01_petStor... | 162             | ✓      | 3851  | 847        | 162     | 0               |
| 4        | 10:17:32.228 | Create Order 1-1 | SC01_petStor... | 162             | ✓      | 3851  | 847        | 162     | 0               |
| 5        | 10:17:36.460 | Create Order 1-1 | SC01_petStor... | 328             | ✓      | 5114  | 2182       | 163     | 0               |
| 6        | 10:17:36.459 | Create Order 1-1 | SC01_petStor... | 328             | ✓      | 5114  | 2182       | 163     | 0               |
| 7        | 10:17:40.848 | Create Order 1-1 | SC01_petStor... | 161             | ✓      | 3557  | 822        | 161     | 0               |
| 8        | 10:17:40.847 | Create Order 1-1 | SC01_petStor... | 161             | ✓      | 3557  | 822        | 161     | 0               |
| 9        | 10:17:45.078 | Create Order 1-1 | SC01_petStor... | 160             | ✓      | 3728  | 854        | 159     | 0               |
| 10       | 10:17:45.077 | Create Order 1-1 | SC01_petStor... | 160             | ✓      | 3728  | 854        | 159     | 0               |
| 11       | 10:17:49.300 | Create Order 1-1 | SC01_petStor... | 164             | ✓      | 4574  | 856        | 163     | 0               |
| 12       | 10:17:49.298 | Create Order 1-1 | SC01_petStor... | 164             | ✓      | 4574  | 856        | 163     | 0               |
| 13       | 10:17:57.579 | Create Order 1-1 | Debug Sampler   | 3               | ✓      | 682   | 0          | 0       | 0               |
| 14       | 10:17:58.711 | Create Order 1-1 | SC01_petStor... | 178             | ✓      | 5304  | 836        | 178     | 0               |
| 15       | 10:17:58.892 | Create Order 1-1 | SC01_petStor... | 160             | ✓      | 5304  | 836        | 160     | 0               |
| 16       | 10:17:58.710 | Create Order 1-1 | SC01_petStor... | 338             | ✓      | 10608 | 1672       | 338     | 0               |
| 17       | 10:18:03.118 | Create Order 1-1 | SC01_petStor... | 162             | ✓      | 4426  | 1478       | 161     | 0               |
| 18       | 10:18:03.118 | Create Order 1-1 | SC01_petStor... | 162             | ✓      | 4426  | 1478       | 161     | 0               |
| 19       | 10:18:07.319 | Create Order 1-1 | SC01_petStor... | 168             | ✓      | 5134  | 812        | 167     | 0               |
| 20       | 10:18:07.318 | Create Order 1-1 | SC01_petStor... | 168             | ✓      | 5134  | 812        | 167     | 0               |
| 21       | 10:18:11.599 | Create Order 1-1 | SC01_petStor... | 160             | ✓      | 4896  | 814        | 159     | 0               |
| 22       | 10:18:11.598 | Create Order 1-1 | SC01_petStor... | 160             | ✓      | 4896  | 814        | 159     | 0               |
| 23       | 10:18:15.828 | Create Order 1-1 | SC01_petStor... | 319             | ✓      | 5021  | 1591       | 159     | 0               |
| 24       | 10:18:16.149 | Create Order 1-1 | SC01_petStor... | 160             | ✓      | 4728  | 791        | 160     | 0               |
| 25       | 10:18:16.312 | Create Order 1-1 | SC01_petStor... | 165             | ✓      | 3976  | 836        | 165     | 0               |
| 26       | 10:18:16.480 | Create Order 1-1 | SC01_petStor... | 163             | ✓      | 3978  | 836        | 163     | 0               |

☐ Scroll automatically? 
 ☐ Child samples? 
 No of Samples 306 
 Latest Sample 1 
 Average 230 
 Deviation 174

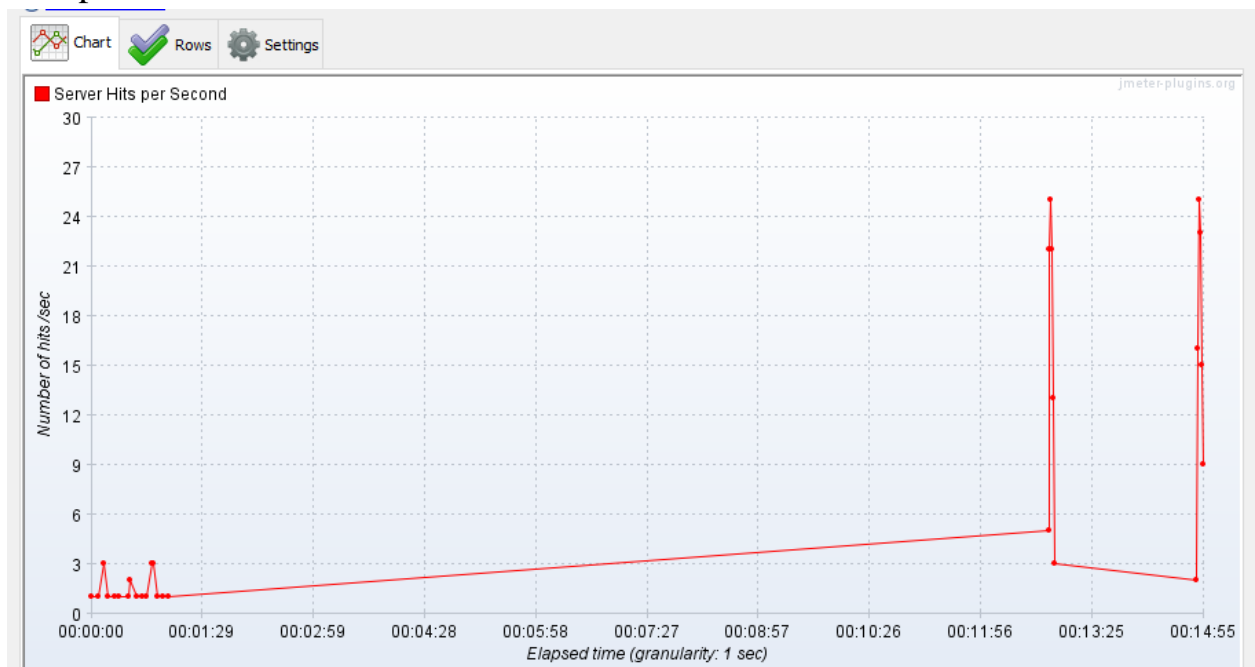
f) Bytes Throughput Over Time



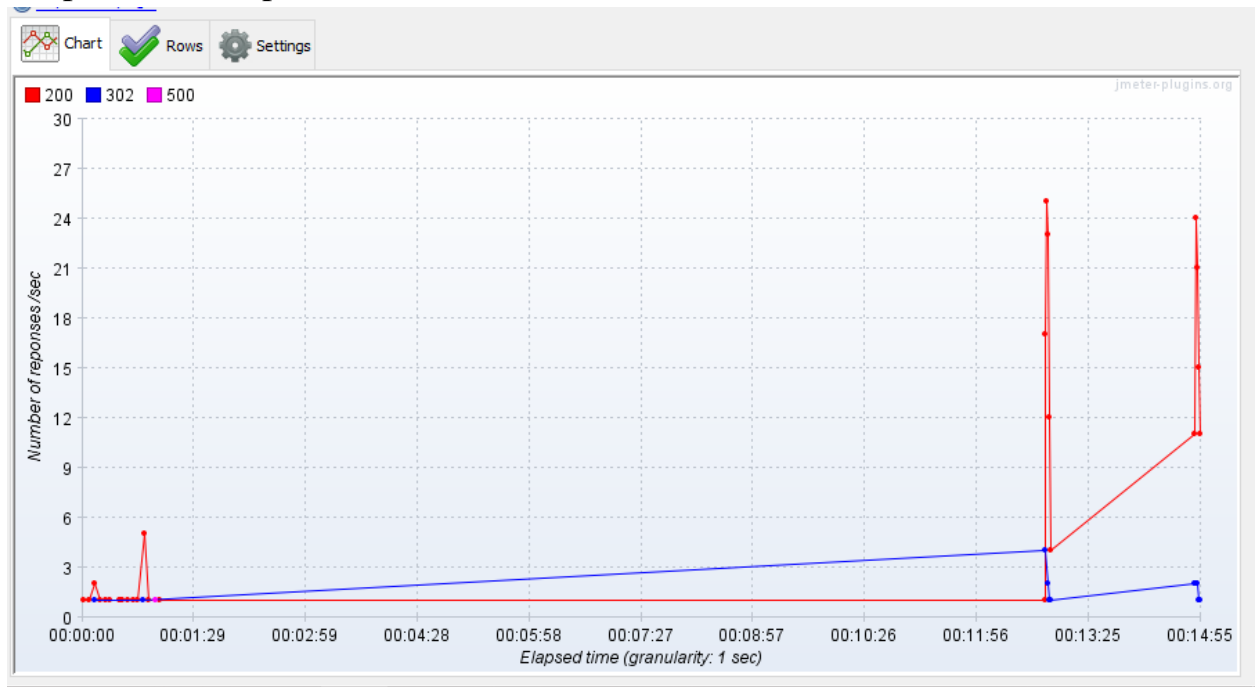
## g) Connect Times over Time



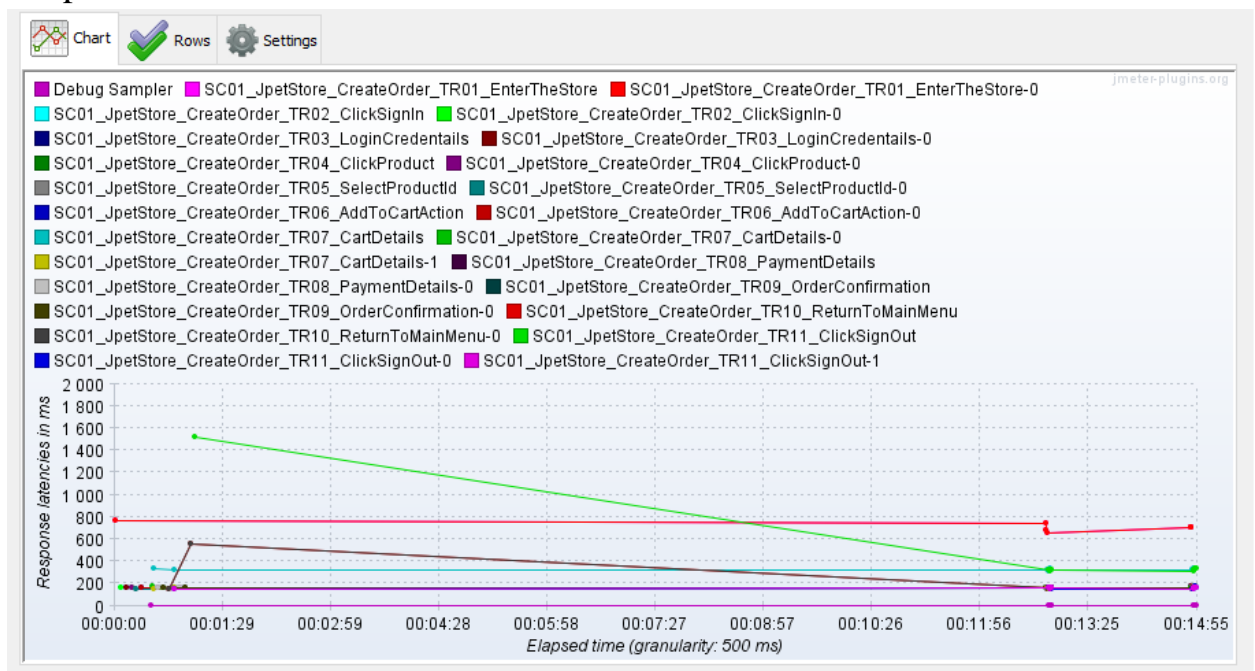
## h) Hits per second



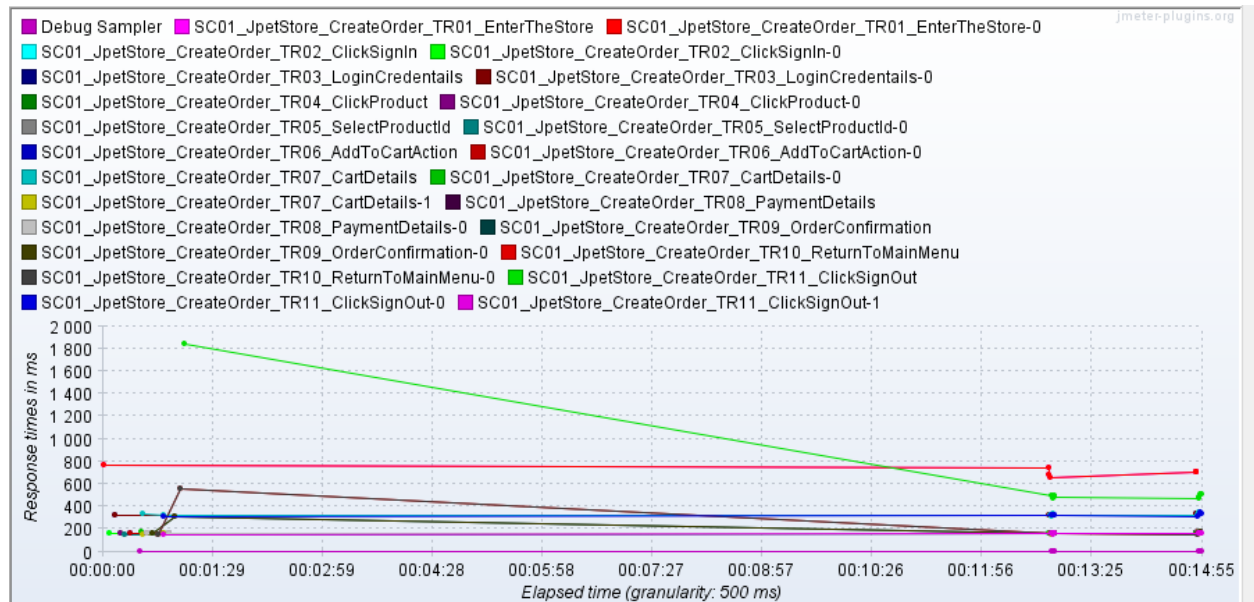
## i) Response Codes per Second



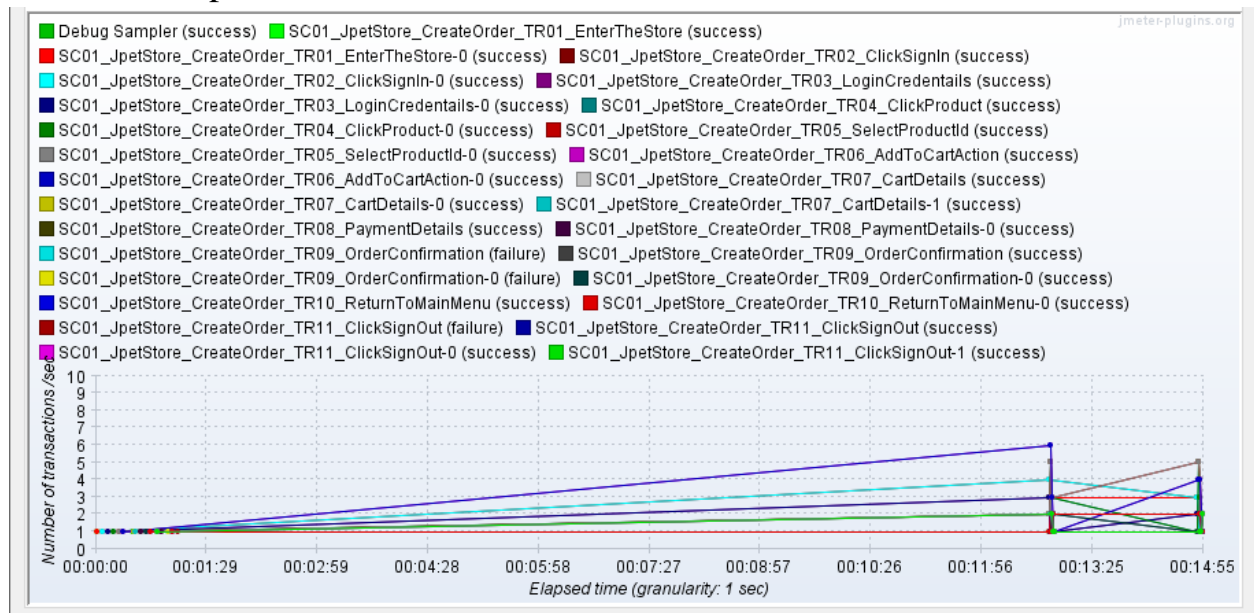
## j) Response Latencies over Time



## k) Response Times over time



## l) Transactions per second

**RESULT**

To generate

- Multiple order Id's with different Id belonging to same category for the same user
  - Multiple order Id's with different product and category id for different users
- Using JPetStore website is successfully executed.