NPAT FINAL ASSIGNMENT
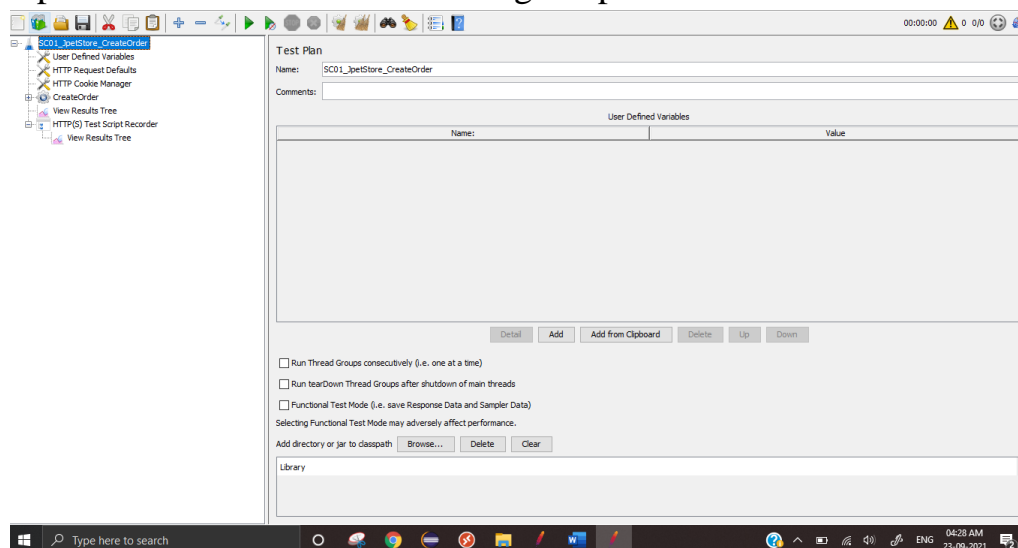
AIM

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.

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
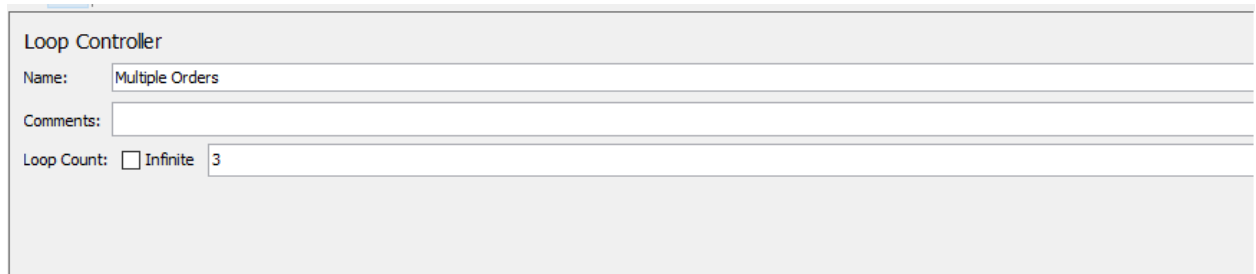- User Details (card Type, Credit Card, name, address, city etc)

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

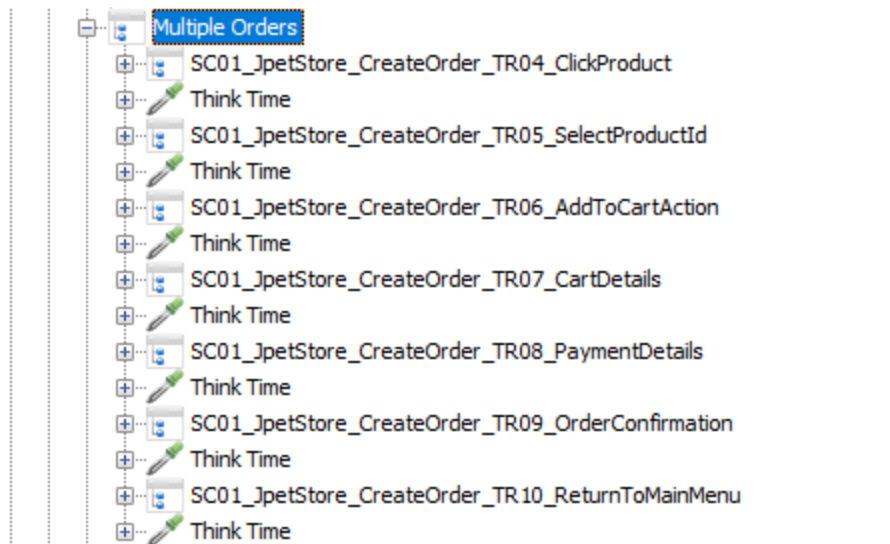8) The Think time of 3000 secs is added to each child to delay the process of each transaction.

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.

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.


```
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",tru
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
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 =>TjHeTgEQkjlFAojpOMtUOX6rsi_qdJyFsIqlynmDj-_-CnvvRxNOnFu-oEISiLrpxJ7GaUiCahCruhoFMWp2ar_0kfAbOZq2_osQ63oRDSc=
Fp1 =>1lOs34fzQWM8QK4Po42pUTHBmy3PO0kI1CJwvd6PlECY50NfNyvX3KZ4a5ZYl1Vv
Source2 =>vdqCiFC4caxJvokHVdJ82e0EaexV7DbmJJV3RWa4FioOqd2IIGTVJkX4mZtFtSlz3qMvTr6Pu8nLwWR3_eaevbfYC9zQNBOPOjZcTZBMpro=
Fp2 =>4OZMpTh8GhArgJ3OxOi-RCK0CObOMw-513M-YXfapRpR22wF5VNuphe_9jYe9JzN0oI1ywAAbi5jXNlinT6wjHHP11Dmdqw1emXQbyeBv9XLVA_eJBTJpw==
****
OUTPUT
SessionId =>B1C15E3BA1FD2EC6E2198FBE66C08506
Order id =>3817
CategoryId =>FISH
productId =>FI-FW-02
itemId =>EST-20
Source1 =>TjHeTgEQkjlFAojpOMtUOX6rsi_qdJyFsIqlynmDj-_-CnvvRxNOnFu-oEISiLrpxJ7GaUiCahCruhoFMWp2ar_0kfAbOZq2_osQ63oRDSc=
Fp1 =>1lOs34fzQWM8QK4Po42pUTHBmy3PO0kI1CJwvd6PlECY50NfNyvX3KZ4a5ZYl1Vv
Source2 =>Goq9Yqf-1p3kWoFklf4fZy2TmLI8lCJY_ky3qQpshFm48h2KGdvY-YXhgLa6LLOO9OBmfLR09q9jAHa79RiR4xFJQXmfz52AEhrijzI2nrM=
Fp2 =>3RafjoAS663elcp6miRtN10U1Jfyf7k_9liDuwXjvslImb6F0fOkkBQ2FwAqM2TPJxc_dfHx1UVqcftsSrQtnqKe-kqW1qPm0VcNHRIoyK3go1DUs5a5qg==
****
OUTPUT
SessionId =>B1C15E3BA1FD2EC6E2198FBE66C08506
Order id =>3818
CategoryId =>FISH
productId =>FI-SW-02
itemId =>EST-3
Source1 =>TjHeTgEQkjlFAojpOMtUOX6rsi_qdJyFsIqlynmDj-_-CnvvRxNOnFu-oEISiLrpxJ7GaUiCahCruhoFMWp2ar_0kfAbOZq2_osQ63oRDSc=
Fp1 =>1lOs34fzQWM8QK4Po42pUTHBmy3PO0kI1CJwvd6PlECY50NfNyvX3KZ4a5ZYl1Vv
Source2 =>brMeoZtOEAfdmDFVmEP0q7499tZ1DAky40Vs-pYwwnjcwMiQvVzu1WfkZyyhoUtszLs4niCm9idPPsW-JTNnBCtpFyDtGbtUg6HI524cMeg=
Fp2 =>liSOk2FpFaGkfjBBsC2mnEMu1b-9B498iD0wKGHGGhIFyLXJmXMxnsQrQsOmQiT2XdOLKVOclJWnB_gzmeXPPEgN96Ojbv_-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			

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

a) View Results Tree''

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_JpetStore_CreateOrder_TR01_EnterTheStore-0	1	2314	2314	2314	0.00	0.00%	25.9/min	2.29	0.30	5419.0
SC01_JpetStore_CreateOrder_TR01_EnterTheStore	1	2314	2314	2314	0.00	0.00%	24.9/min	2.19	0.29	5419.0
SC01_JpetStore_CreateOrder_TR02_ClickSignIn-0	1	326	326	326	0.00	0.00%	3.1/sec	11.54	2.54	3851.0
SC01_JpetStore_CreateOrder_TR02_ClickSignIn	1	326	326	326	0.00	0.00%	3.0/sec	11.29	2.48	3851.0
SC01_JpetStore_CreateOrder_TR03_LoginCredentials-0	1	729	729	729	0.00	0.00%	1.4/sec	6.85	2.92	5114.0
SC01_JpetStore_CreateOrder_TR03_LoginCredentails	1	729	729	729	0.00	0.00%	1.4/sec	6.81	2.91	5114.0
SC01_JpetStore_CreateOrder_TR04_ClickProduct-0	3	455	301	669	156.11	0.00%	2.8/min	0.16	0.04	3559.0
SC01_JpetStore_CreateOrder_TR04_ClickProduct	3	455	301	669	156.11	0.00%	2.8/min	0.16	0.04	3559.0
SC01_JpetStore_CreateOrder_TR05_SelectProductId-0	3	459	307	634	134.48	0.00%	2.8/min	0.18	0.04	4026.0
SC01_JpetStore_CreateOrder_TR05_SelectProductId	3	459	307	634	134.48	0.00%	2.8/min	0.18	0.04	4026.0
SC01_JpetStore_CreateOrder_TR06_AddToCartAction-0	3	242	177	323	60.50	0.00%	2.8/min	0.21	0.04	4568.0
SC01_JpetStore_CreateOrder_TR06_AddToCartAction	3	242	177	323	60.50	0.00%	2.8/min	0.21	0.04	4568.0
SC01_JpetStore_CreateOrder_TR07_CartDetails-0	3	729	238	1492	546.71	0.00%	2.8/min	0.24	0.04	5304.0
SC01_JpetStore_CreateOrder_TR07_CartDetails-1	3	292	275	303	12.19	0.00%	2.8/min	0.24	0.04	5304.0
SC01_JpetStore_CreateOrder_TR07_CartDetails	3	1021	513	1790	552.88	0.00%	2.8/min	0.48	0.08	10608.0
SC01_JpetStore_CreateOrder_TR08_PaymentDetails-0	3	462	318	685	159.90	0.00%	2.8/min	0.20	0.07	4426.0
SC01_JpetStore_CreateOrder_TR08_PaymentDetails	3	462	318	685	159.90	0.00%	2.8/min	0.20	0.07	4426.0
SC01_JpetStore_CreateOrder_TR09_OrderConfirmati...	3	257	224	311	38.32	0.00%	2.8/min	0.23	0.04	5128.0
SC01_JpetStore_CreateOrder_TR09_OrderConfirmation	3	257	224	311	38.32	0.00%	2.8/min	0.23	0.04	5128.0
SC01_JpetStore_CreateOrder_TR10_ReturnToMainMe...	3	286	270	296	11.81	0.00%	2.8/min	0.22	0.04	4896.0
SC01_JpetStore_CreateOrder_TR10_ReturnToMainMenu	3	286	270	296	11.81	0.00%	2.8/min	0.22	0.04	4896.0
SC01_JpetStore_CreateOrder_TR11_ClickSignOut-0	1	520	520	520	0.00	0.00%	1.9/sec	9.43	2.99	5021.0
SC01_JpetStore_CreateOrder_TR11_ClickSignOut-1	1	202	202	202	0.00	0.00%	5.0/sec	22.86	3.82	4728.0
SC01_JpetStore_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

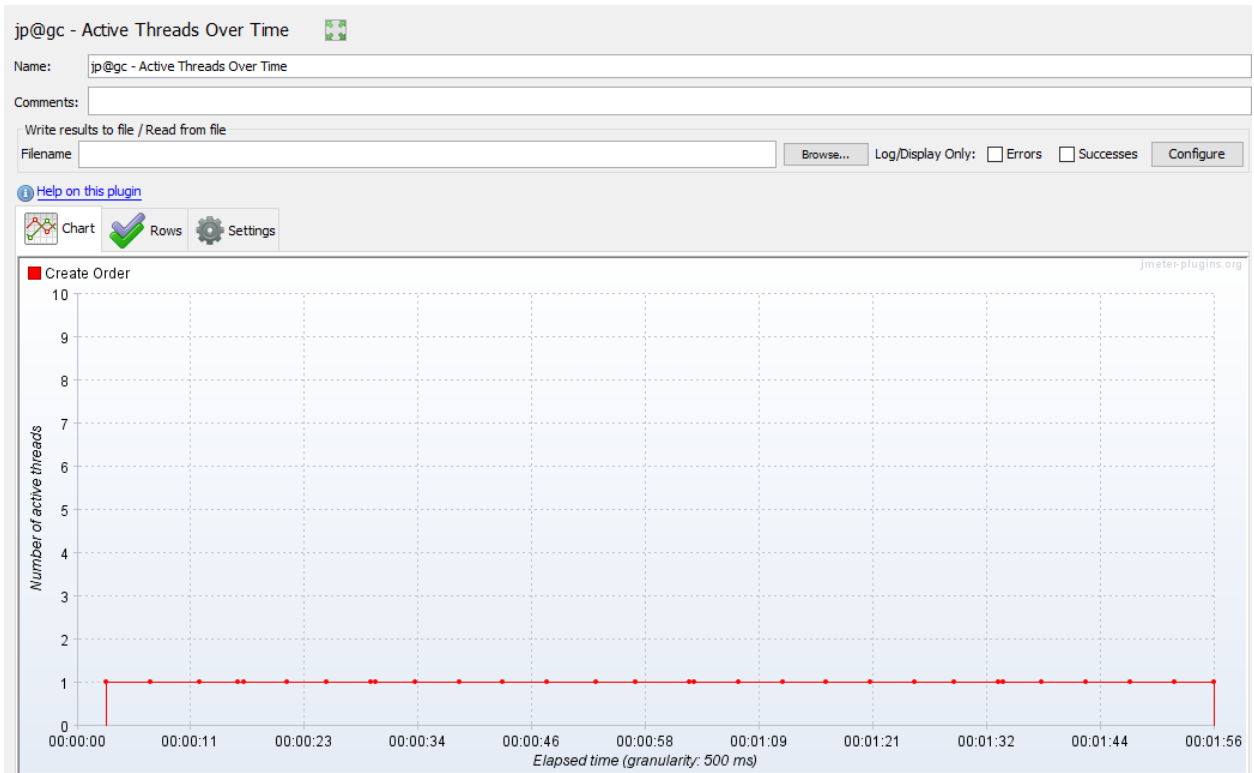Filename: [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]

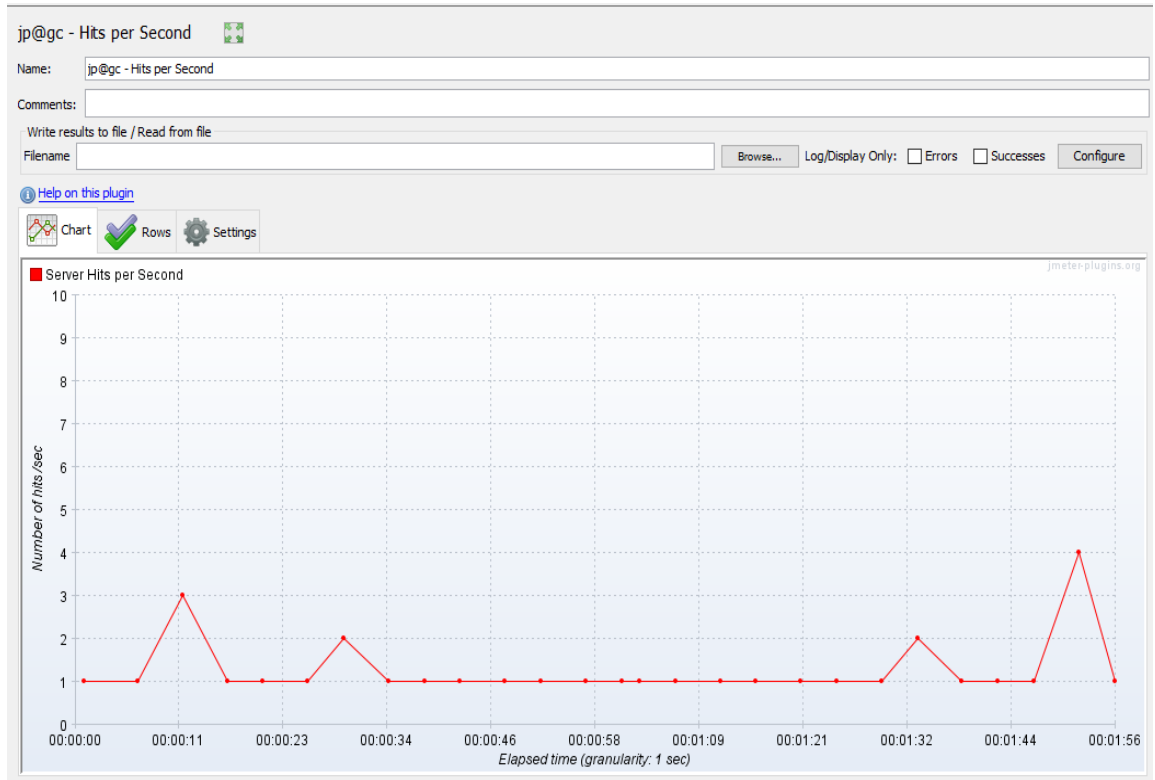| Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Thro...	Re...	Se...
SC01_JpetStore_CreateOrder_TR01_EnterTheStore-0	1	2314	2314	2314	2314	2314	2314	2314	0.00%	25.9/min	2.29	0.30
SC01_JpetStore_CreateOrder_TR01_EnterTheStore	1	2314	2314	2314	2314	2314	2314	2314	0.00%	24.9/min	2.19	0.29
SC01_JpetStore_CreateOrder_TR02_ClickSignIn-0	1	326	326	326	326	326	326	326	0.00%	3.1/sec	11.54	2.54
SC01_JpetStore_CreateOrder_TR02_ClickSignIn	1	326	326	326	326	326	326	326	0.00%	3.0/sec	11.29	2.48
SC01_JpetStore_CreateOrder_TR03_LoginCredentail...	1	729	729	729	729	729	729	729	0.00%	1.4/sec	6.85	2.92
SC01_JpetStore_CreateOrder_TR03_LoginCredentails	1	729	729	729	729	729	729	729	0.00%	1.4/sec	6.81	2.91
SC01_JpetStore_CreateOrder_TR04_ClickProduct-0	3	455	395	669	669	669	301	669	0.00%	2.8/min	0.16	0.04
SC01_JpetStore_CreateOrder_TR04_ClickProduct	3	455	395	669	669	669	301	669	0.00%	2.8/min	0.16	0.04
SC01_JpetStore_CreateOrder_TR05_SelectProductId-0	3	459	436	634	634	634	307	634	0.00%	2.8/min	0.18	0.04
SC01_JpetStore_CreateOrder_TR05_SelectProductId	3	459	436	634	634	634	307	634	0.00%	2.8/min	0.18	0.04
SC01_JpetStore_CreateOrder_TR06_AddToCartActio...	3	242	228	323	323	323	177	323	0.00%	2.8/min	0.21	0.04
SC01_JpetStore_CreateOrder_TR06_AddToCartAction	3	242	228	323	323	323	177	323	0.00%	2.8/min	0.21	0.04
SC01_JpetStore_CreateOrder_TR07_CartDetails-0	3	729	458	1492	1492	1492	238	1492	0.00%	2.8/min	0.24	0.04
SC01_JpetStore_CreateOrder_TR07_CartDetails-1	3	292	298	303	303	303	275	303	0.00%	2.8/min	0.24	0.04
SC01_JpetStore_CreateOrder_TR07_CartDetails	3	1021	761	1790	1790	1790	513	1790	0.00%	2.8/min	0.48	0.08
SC01_JpetStore_CreateOrder_TR08_PaymentDetails-0	3	462	383	685	685	685	318	685	0.00%	2.8/min	0.20	0.07
SC01_JpetStore_CreateOrder_TR08_PaymentDetails	3	462	383	685	685	685	318	685	0.00%	2.8/min	0.20	0.07
SC01_JpetStore_CreateOrder_TR09_OrderConfirmat...	3	257	237	311	311	311	224	311	0.00%	2.8/min	0.23	0.04
SC01_JpetStore_CreateOrder_TR09_OrderConfirmat...	3	257	237	311	311	311	224	311	0.00%	2.8/min	0.23	0.04
SC01_JpetStore_CreateOrder_TR10_ReturnToMainM...	3	286	294	296	296	296	270	296	0.00%	2.8/min	0.22	0.04
SC01_JpetStore_CreateOrder_TR10_ReturnToMainM...	3	286	294	296	296	296	270	296	0.00%	2.8/min	0.22	0.04
SC01_JpetStore_CreateOrder_TR11_ClickSignOut-0	1	520	520	520	520	520	520	520	0.00%	1.9/sec	9.43	2.99
SC01_JpetStore_CreateOrder_TR11_ClickSignOut-1	1	202	202	202	202	202	202	202	0.00%	5.0/sec	22.86	3.82
SC01_JpetStore_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

d) Active Thread Over Time
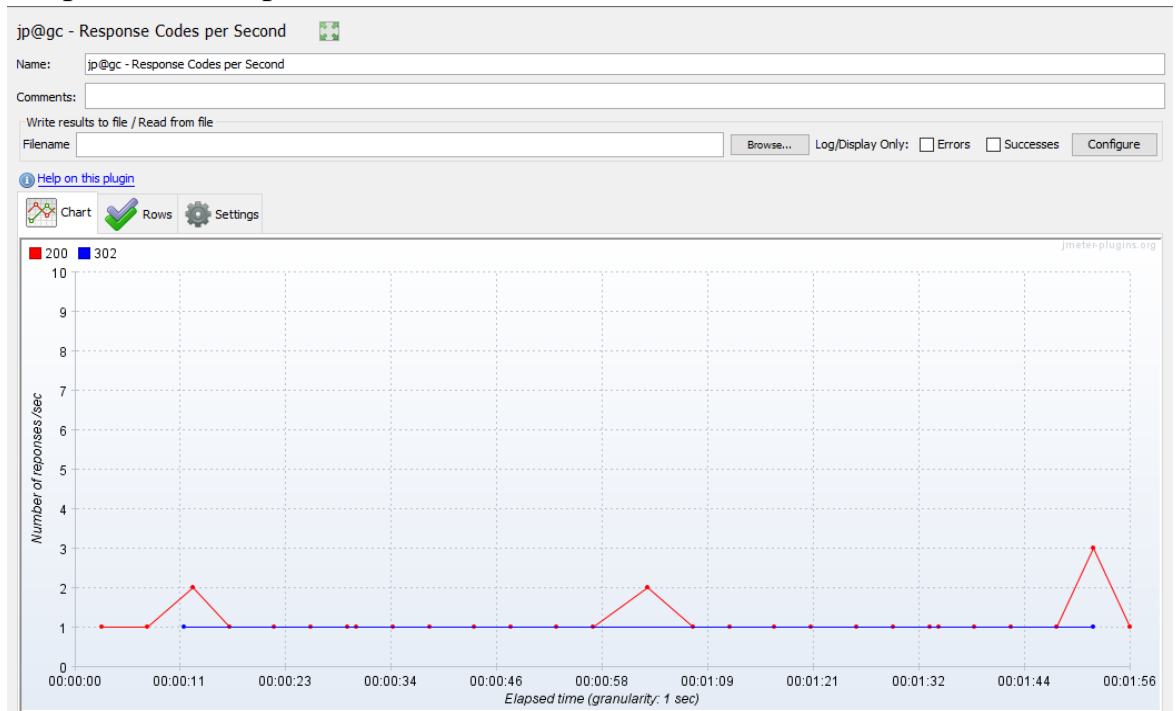

e) Results in table

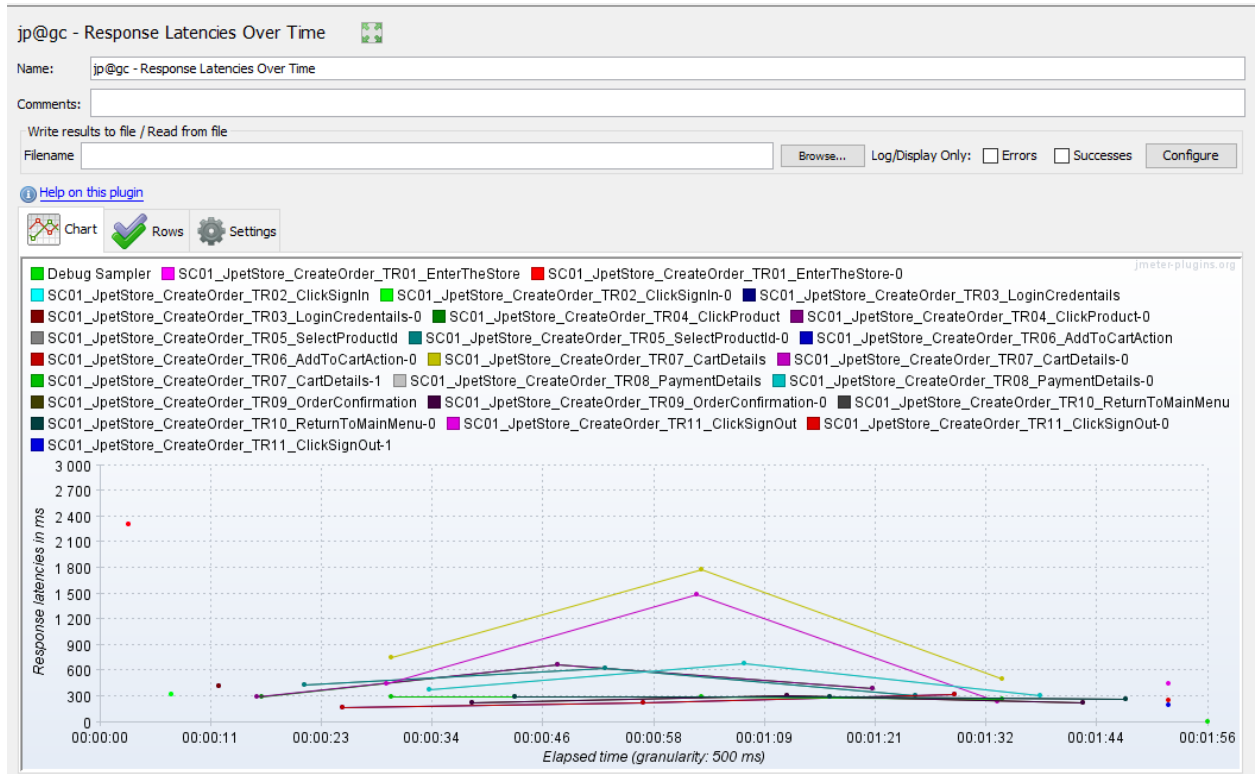f) Bytes Throughput Over Time

g) Connect Times Over Time

h) Hits for second
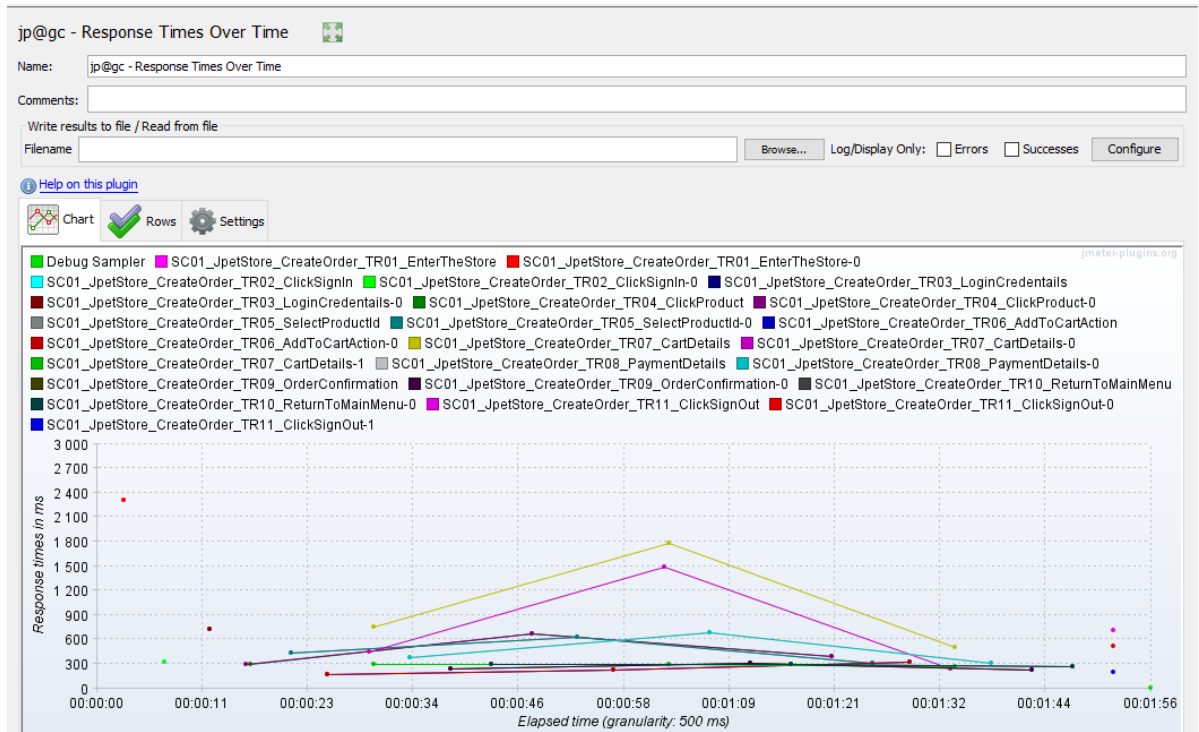

i) Response Codes per Sec
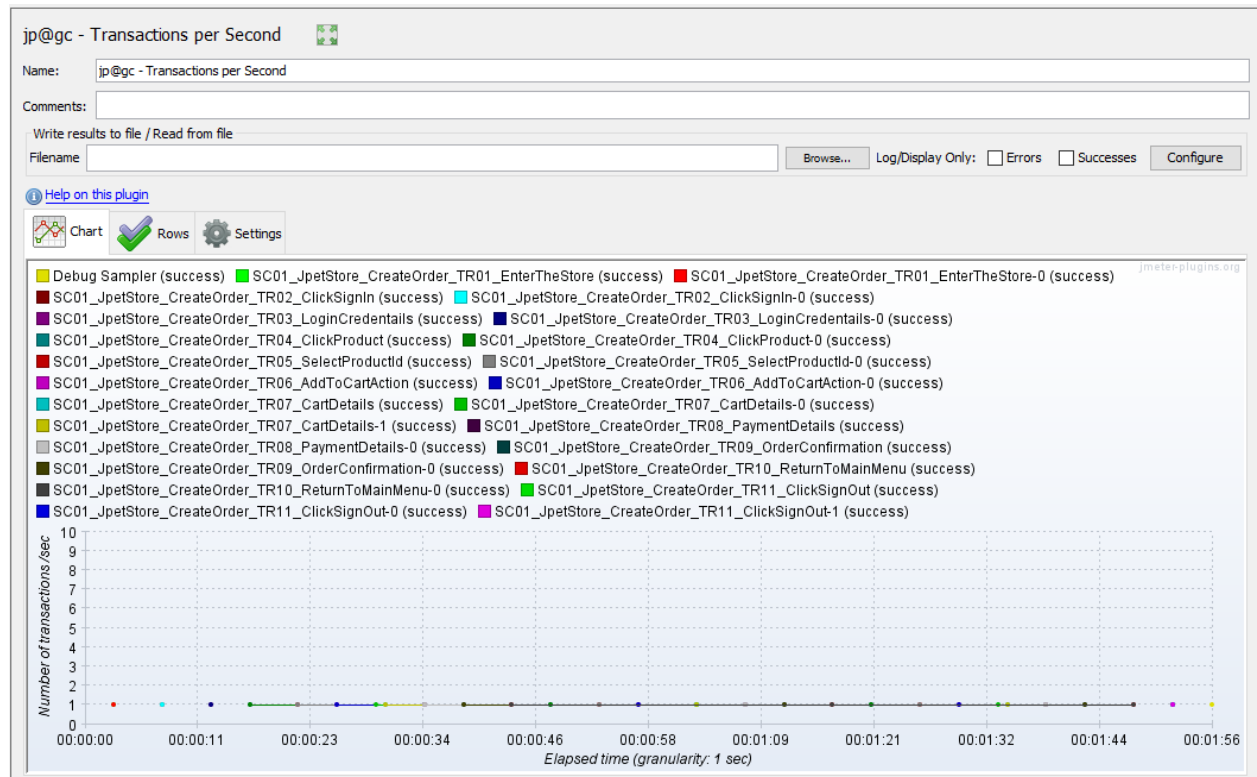
j) Response Latencies Over Time
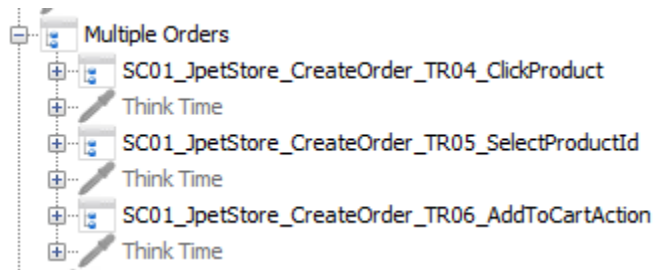

k) Response Times Over Time

l) 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

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

11)
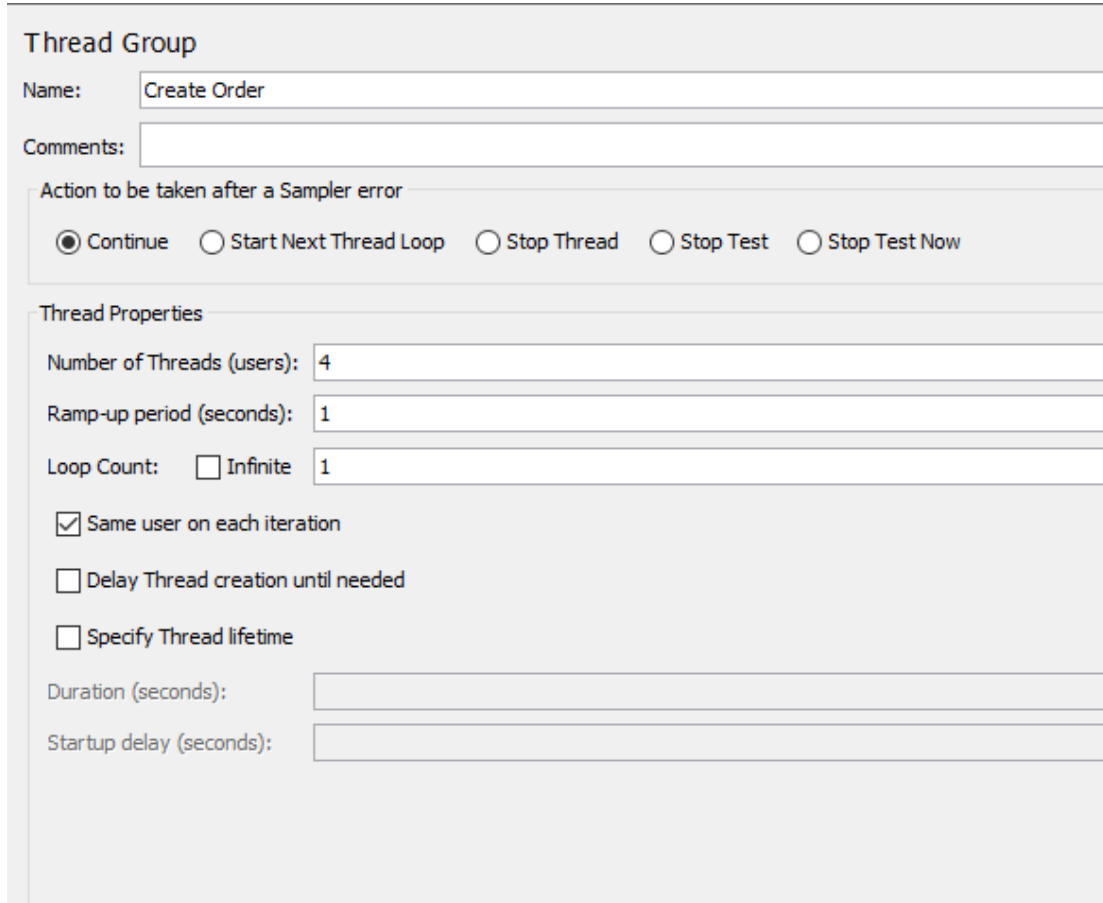
12)   To control the iteration used a counter from config element .

13)   The counter value is parameterized in loop controller

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

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.

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\\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 =>F5136D37720B34EEF26519EFABFE7638
Order id =>4118
CategoryId =>BIRDS
productId =>AV-CB-01
itemId =>EST-18
Source1 =>LQfLUart45856fREVg_viZYqmqj-h1-TAMxgK9to5dKMLZTXb1Ee1TIW7Z6K76ydCrYfNF3XQdZY165qAyXHSr2rBzdw0Zh7ugsg6RJSL6w=
Fp1 =>McuheWsYMjE865rRM0PsLjVKuRax14bP01ggdhIDzK9tH6u8wBc8I4CNyvKJSsDS
Source2 =>7gBjJmr_iyo-pR22K709v0Mzo-gPQ3nL_rVcTVj1FVYPDPAtQ_TWhH6LhPze2he1g7QjQ7-dhHedaqjnDCZy9TFfjJJrRhFEoGSISgjToSmc=
Fp2 =>-u9xV-1A7CxcDRN3BX_XrM4vwJpiCeL7XvwN11kiV_RE0syb1YLNdt1qk7nM1pXr_wr3m0JoKoGfJrhgSTbAmXbFI_36TrR1Mogk46o8GOawO_alkx74cw==
****
OUTPUT
Username =>usera
SessionId =>8C3F598C9C764179171A729E6F4408D2
Order id =>4119
CategoryId =>DOGS
productId =>K9-BD-01
itemId =>EST-7
Source1 =>YroOzeuObrfr7Fgu8EbtL2wrTmv-WUEB2qI20CFIER1cZKVlweXtAhASrNOrxbWw2TMzKJkJqVUnIhdmNvVH7g0dtF90e_GbyCb-NyonHqY=
Fp1 =>c9rXFPd_NgLvb6fI8gkW_YcUwnJgY8kROmmEyotZD4pMbcN1QeV6Ahhn7Dx7Aq5E
Source2 =>CYH6kLRLyZCxutvTM1bjCnIhBLZ4pkrMgfv9N3G0mHdNjG1tijNnM4zjKXkJGNwh2YWfc3p2J1aWm60jNVzrgyX-z8Ldx4FUM7V1xKjmCA0=
Fp2 =>OT_yaEsDMXoc3Rw1QJTuZTiOL1UOr6DdPyZXmVq9daeckzS15TQxxx7US8XUGY071UKW1DfuhFRNBy4jIUiQ2sSvQ-BGmAeeoqn5FMBem5rN4HJC3www4w==
****
OUTPUT
Username =>userb
SessionId =>A47D143D73B3204DF9619DF141BE75DC
Order id =>4120
CategoryId =>FISH
productId =>FI-SW-02
itemId =>EST-3
Source1 =>B0QAPK7Om-ZvYHFMvJ1meK1Y-PU6HrjhTgez0nLiPMmZgfooU-AP4cU3bMzfGRUJ7wynwzI13wgpJ9jom1jBO87iC3k2ZRLzFc5dOSoZmBA=
Fp1 =>bJFZDkuIVT9IOIcZhby9CsQU4EkT_1tRHqqbCoLzFojA7rd1iBfSvr6YNtwRBckg
Source2 =>8DrjJeJEwKEhobjjj6GeHnv_ucZsjEGGj2j4m0SJJUodq8_3VraRg2K-PcdHDMrDPrpqa9m2pfDy0LZJBM-aZiVR3VIhckUVN2eeP2XAnys=
Fp2 =>6gRPJFPNYK0_4c8TfNrRr0hnGNe9pk-RnZ_ql2mjTFEcEf6EjB5Edi5Zh8YkvutKfpjjWmmWJW97UizVFUz7z3mwEt1zAYkzVou7rqpXCqyo1_MbXFFW1A==
****
OUTPUT
Username =>userc
SessionId =>1CE874C32BC33D9EDE71E07732D3E8B2
Order id =>4121
CategoryId =>BIRDS
productId =>AV-CB-01
itemId =>EST-18
Source1 =>Vuie194W6cReFiEx8cg5Kvt4_c5OR4Od2WCcwS0JvfRf6yUHKxkOCZ0qrcJQqMSyp82fGY2k5OhWtRSd1ReFrbbzquhaEq3m1WSFY_jEXdU=
Fp1 =>hgW3KJloA5AgmTY_51FdGzkD-rkUkWL3Ua2PHGaGR_vu1T7mseT-kVcj7ueNhBXk
Source2 =>Lkb4vMewEd1ZITrD6Z3wMo8gJ3vH7m-EpBk8H_1aGACp1iVhoZ-wDYXOjbkBX-0gkjp1X0grYLSMRGQUXYTyZ7_aNSww8XI11w2Gv0oJNDM=

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

➔ 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

| Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received...	Sent ...	Avg. ...
SC01_JpetStore_CreateOrder_TR01_E...	9	709	663	777	37.81	0.00%	36.4/hour	0.05	0.01	5419.0
SC01_JpetStore_CreateOrder_TR01_E...	9	709	663	777	37.81	0.00%	36.4/hour	0.05	0.01	5419.0
SC01_JpetStore_CreateOrder_TR02_C...	9	165	162	173	4.08	0.00%	36.6/hour	0.04	0.01	3848.1
SC01_JpetStore_CreateOrder_TR02_C...	9	165	162	173	4.08	0.00%	36.6/hour	0.04	0.01	3848.1
SC01_JpetStore_CreateOrder_TR03_L...	9	330	322	344	7.23	0.00%	36.7/hour	0.05	0.02	5112.7
SC01_JpetStore_CreateOrder_TR03_L...	9	330	322	344	7.23	0.00%	36.7/hour	0.05	0.02	5112.7
SC01_JpetStore_CreateOrder_TR04_C...	21	166	161	173	4.43	0.00%	1.4/min	0.09	0.02	3774.4
SC01_JpetStore_CreateOrder_TR04_C...	21	166	161	173	4.43	0.00%	1.4/min	0.09	0.02	3774.4
SC01_JpetStore_CreateOrder_TR05_S...	21	166	160	174	4.57	0.00%	1.4/min	0.09	0.02	3829.0
SC01_JpetStore_CreateOrder_TR05_S...	21	166	160	174	4.57	0.00%	1.4/min	0.09	0.02	3829.0
SC01_JpetStore_CreateOrder_TR06_A...	21	167	162	177	5.02	0.00%	1.4/min	0.11	0.02	4860.0
SC01_JpetStore_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_JpetStore_CreateOrder_TR07_C...	10	166	160	178	5.66	0.00%	41.8/hour	0.06	0.01	5171.2
SC01_JpetStore_CreateOrder_TR07_C...	10	164	160	173	4.52	0.00%	41.8/hour	0.06	0.01	5171.4
SC01_JpetStore_CreateOrder_TR07_C...	10	331	320	346	8.73	0.00%	41.8/hour	0.12	0.02	10342.6
SC01_JpetStore_CreateOrder_TR08_P...	10	165	161	174	4.15	0.00%	42.0/hour	0.05	0.02	4417.2
SC01_JpetStore_CreateOrder_TR08_P...	10	165	161	174	4.15	0.00%	42.0/hour	0.05	0.02	4417.2
SC01_JpetStore_CreateOrder_TR09_O...	10	182	161	316	44.60	10.00%	42.2/hour	0.08	0.01	6822.2
SC01_JpetStore_CreateOrder_TR09_O...	10	182	161	316	44.60	10.00%	42.2/hour	0.08	0.01	6822.2
SC01_JpetStore_CreateOrder_TR10_R...	10	204	159	557	117.73	0.00%	42.4/hour	0.06	0.01	4878.0
SC01_JpetStore_CreateOrder_TR10_R...	10	204	159	557	117.73	0.00%	42.4/hour	0.06	0.01	4878.0
SC01_JpetStore_CreateOrder_TR11_C...	9	328	319	346	9.44	0.00%	38.3/hour	0.05	0.02	5021.0
SC01_JpetStore_CreateOrder_TR11_C...	9	164	160	172	4.55	0.00%	38.3/hour	0.05	0.01	4728.0
SC01_JpetStore_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

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Thr...	...	...
SC01_JpetStore_CreateOrder_TR01_...	9	709	706	752	777	777	663	777	0.00%	36.4/...	0.05	0.01
SC01_JpetStore_CreateOrder_TR01_...	9	709	706	752	777	777	663	777	0.00%	36.4/...	0.05	0.01
SC01_JpetStore_CreateOrder_TR02_...	9	165	163	171	173	173	162	173	0.00%	36.6/...	0.04	0.01
SC01_JpetStore_CreateOrder_TR02_...	9	165	163	171	173	173	162	173	0.00%	36.6/...	0.04	0.01
SC01_JpetStore_CreateOrder_TR03_...	9	330	328	340	344	344	322	344	0.00%	36.7/...	0.05	0.02
SC01_JpetStore_CreateOrder_TR03_...	9	330	328	340	344	344	322	344	0.00%	36.7/...	0.05	0.02
SC01_JpetStore_CreateOrder_TR04_...	21	166	166	173	173	173	161	173	0.00%	1.4/min	0.09	0.02
SC01_JpetStore_CreateOrder_TR04_...	21	166	166	173	173	173	161	173	0.00%	1.4/min	0.09	0.02
SC01_JpetStore_CreateOrder_TR05_...	21	166	166	172	173	174	160	174	0.00%	1.4/min	0.09	0.02
SC01_JpetStore_CreateOrder_TR05_...	21	166	166	172	173	174	160	174	0.00%	1.4/min	0.09	0.02
SC01_JpetStore_CreateOrder_TR06_...	21	167	166	174	175	177	162	177	0.00%	1.4/min	0.11	0.02
SC01_JpetStore_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_JpetStore_CreateOrder_TR07_...	10	166	165	173	173	178	160	178	0.00%	41.8/...	0.06	0.01
SC01_JpetStore_CreateOrder_TR07_...	10	164	163	172	172	173	160	173	0.00%	41.8/...	0.06	0.01
SC01_JpetStore_CreateOrder_TR07_...	10	331	328	344	344	346	320	346	0.00%	41.8/...	0.12	0.02
SC01_JpetStore_CreateOrder_TR08_...	10	165	164	172	172	174	161	174	0.00%	42.0/...	0.05	0.02
SC01_JpetStore_CreateOrder_TR08_...	10	165	164	172	172	174	161	174	0.00%	42.0/...	0.05	0.02
SC01_JpetStore_CreateOrder_TR09_...	10	182	168	177	177	316	161	316	10.00%	42.2/...	0.08	0.01
SC01_JpetStore_CreateOrder_TR09_...	10	182	168	177	177	316	161	316	10.00%	42.2/...	0.08	0.01
SC01_JpetStore_CreateOrder_TR10_...	10	204	164	172	172	557	159	557	0.00%	42.4/...	0.06	0.01
SC01_JpetStore_CreateOrder_TR10_...	10	204	164	172	172	557	159	557	0.00%	42.4/...	0.06	0.01
SC01_JpetStore_CreateOrder_TR11_...	9	328	323	342	346	346	319	346	0.00%	38.3/...	0.05	0.02
SC01_JpetStore_CreateOrder_TR11_...	9	164	162	172	172	172	160	172	0.00%	38.3/...	0.05	0.01
SC01_JpetStore_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

d) Active Threads Over Time
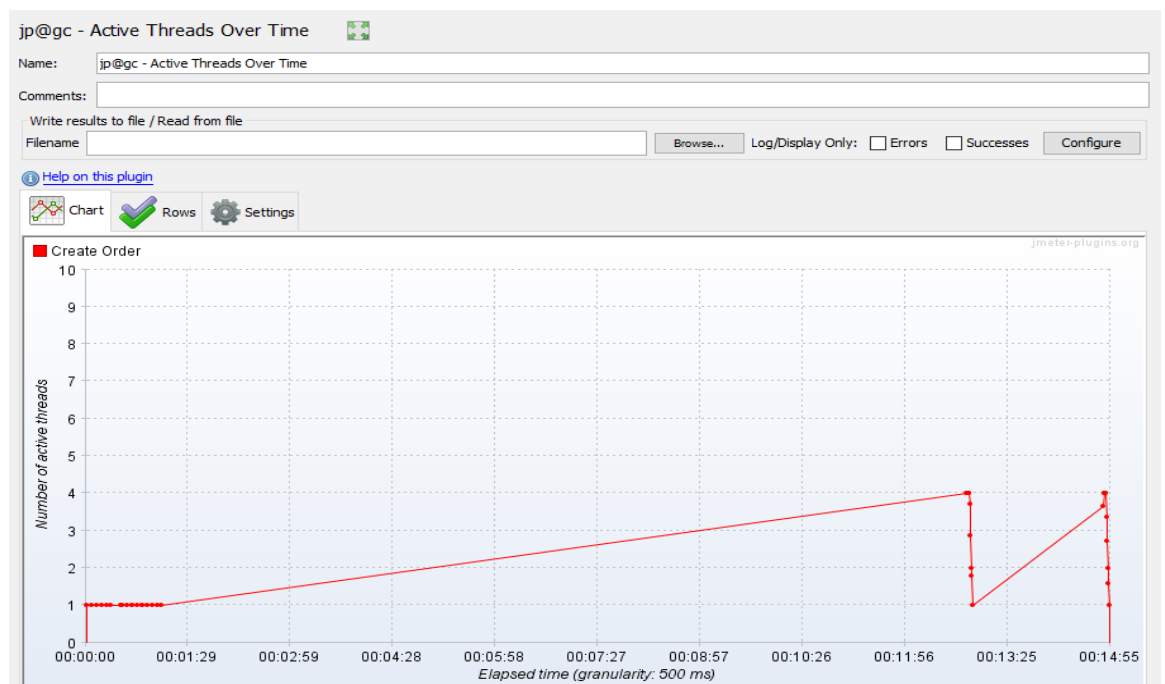
e) View Results in table

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_JpetStor...	777	✓	5419	716	777	613
2	10:17:27.299	Create Order 1-1	SC01_JpetStor...	777	✓	5419	716	777	613
3	10:17:32.229	Create Order 1-1	SC01_JpetStor...	162	✓	3851	847	162	0
4	10:17:32.228	Create Order 1-1	SC01_JpetStor...	162	✓	3851	847	162	0
5	10:17:36.460	Create Order 1-1	SC01_JpetStor...	328	✓	5114	2182	163	0
6	10:17:36.459	Create Order 1-1	SC01_JpetStor...	328	✓	5114	2182	163	0
7	10:17:40.848	Create Order 1-1	SC01_JpetStor...	161	✓	3557	822	161	0
8	10:17:40.847	Create Order 1-1	SC01_JpetStor...	161	✓	3557	822	161	0
9	10:17:45.078	Create Order 1-1	SC01_JpetStor...	160	✓	3728	854	159	0
10	10:17:45.077	Create Order 1-1	SC01_JpetStor...	160	✓	3728	854	159	0
11	10:17:49.300	Create Order 1-1	SC01_JpetStor...	164	✓	4574	856	163	0
12	10:17:49.298	Create Order 1-1	SC01_JpetStor...	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_JpetStor...	178	✓	5304	836	178	0
15	10:17:58.892	Create Order 1-1	SC01_JpetStor...	160	✓	5304	836	160	0
16	10:17:58.710	Create Order 1-1	SC01_JpetStor...	338	✓	10608	1672	338	0
17	10:18:03.118	Create Order 1-1	SC01_JpetStor...	162	✓	4426	1478	161	0
18	10:18:03.118	Create Order 1-1	SC01_JpetStor...	162	✓	4426	1478	161	0
19	10:18:07.319	Create Order 1-1	SC01_JpetStor...	168	✓	5134	812	167	0
20	10:18:07.318	Create Order 1-1	SC01_JpetStor...	168	✓	5134	812	167	0
21	10:18:11.599	Create Order 1-1	SC01_JpetStor...	160	✓	4896	814	159	0
22	10:18:11.598	Create Order 1-1	SC01_JpetStor...	160	✓	4896	814	159	0
23	10:18:15.828	Create Order 1-1	SC01_JpetStor...	319	✓	5021	1591	159	0
24	10:18:16.149	Create Order 1-1	SC01_JpetStor...	160	✓	4728	791	160	0
25	10:18:16.312	Create Order 1-1	SC01_JpetStor...	165	✓	3976	836	165	0
26	10:18:16.480	Create Order 1-1	SC01_JpetStor...	163	✓	3978	836	163	0

☐ Scroll automatically?   ☐ Child samples?   No of Samples 306   Latest Sample 1   Average 230   Deviation 174
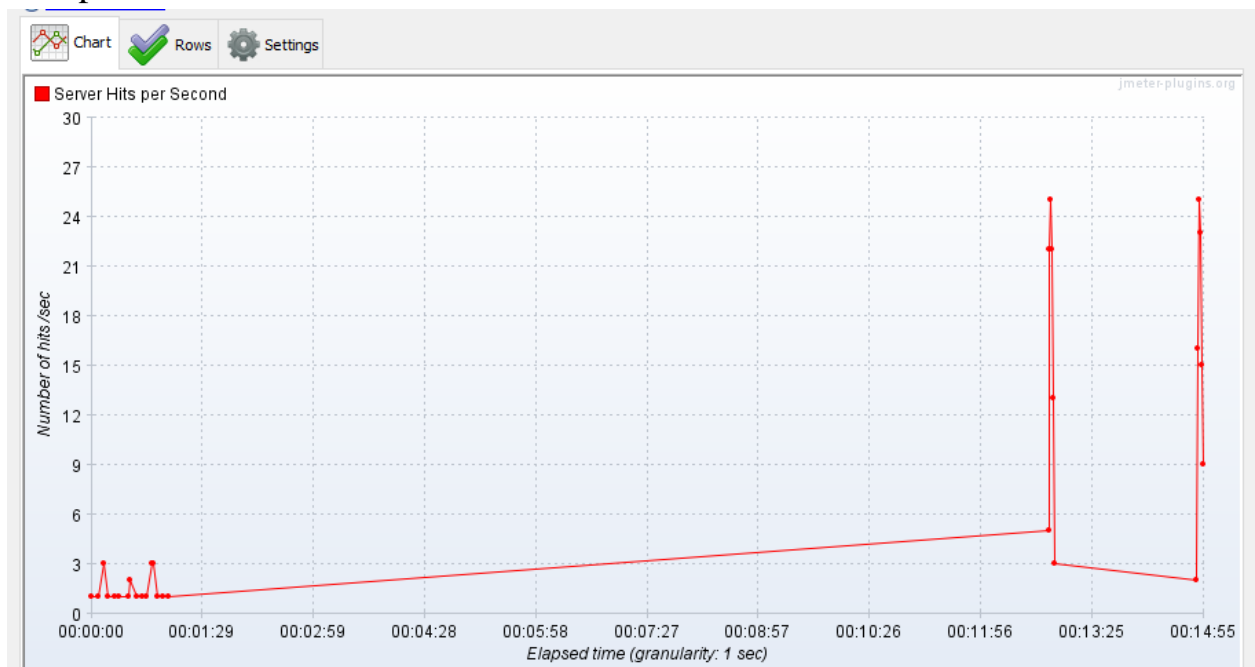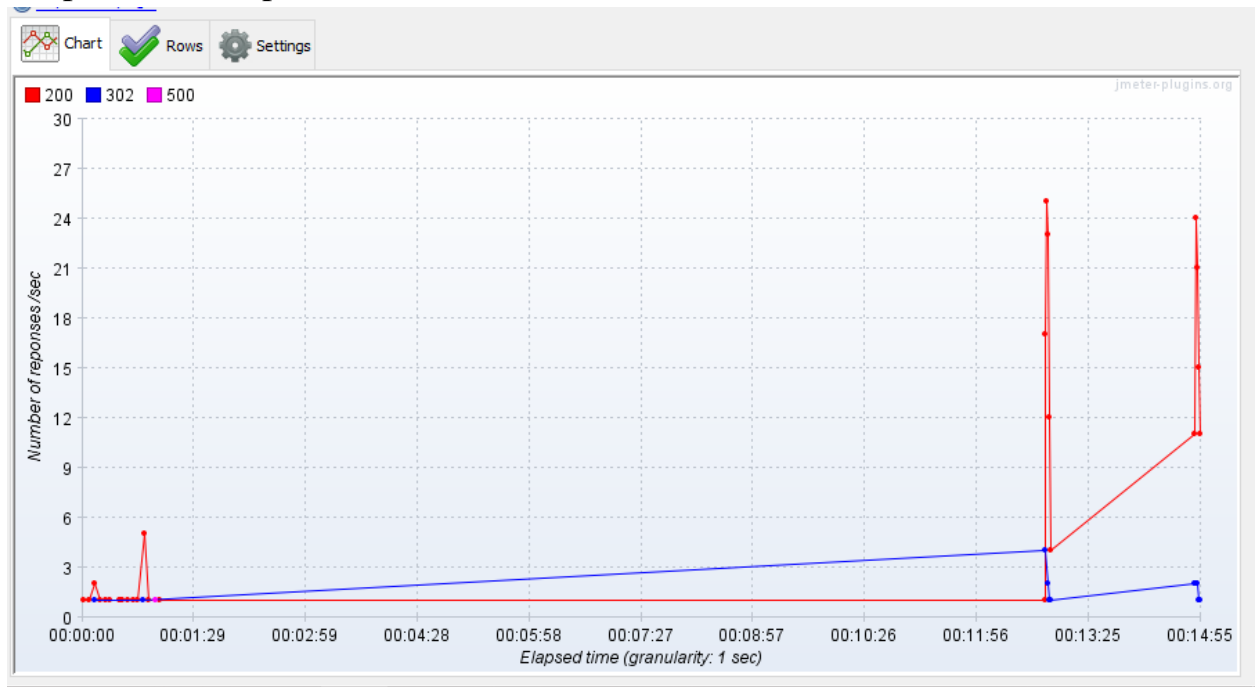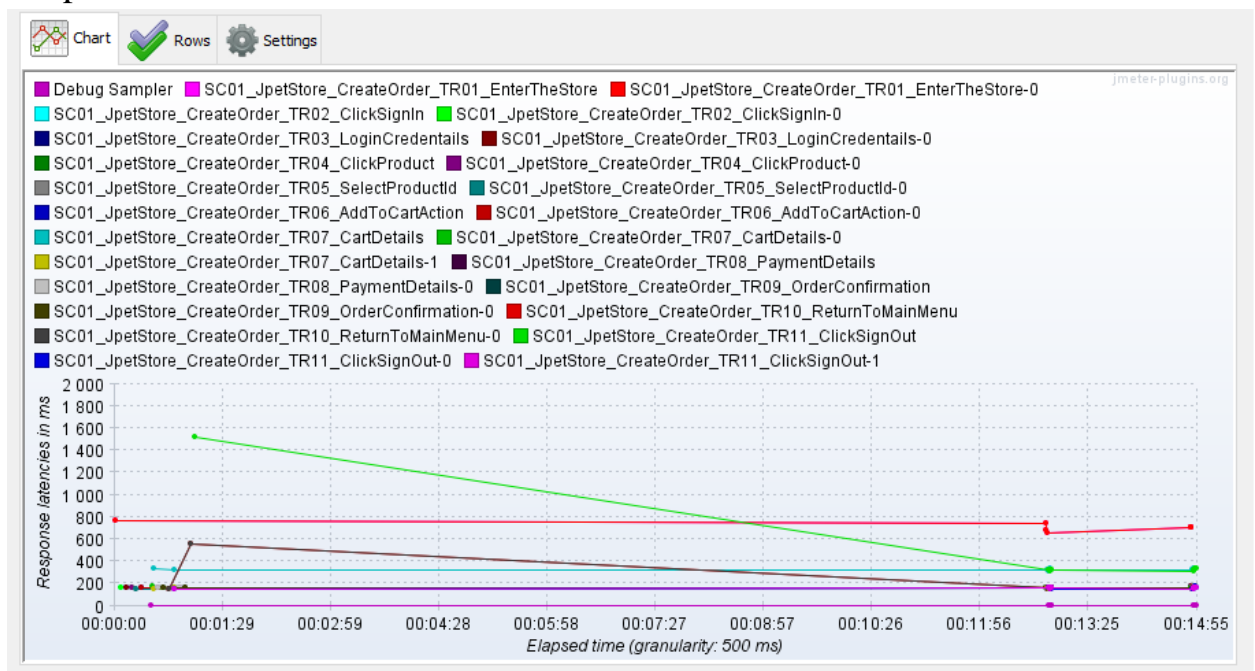
f) Bytes Throughput Over Time

g) Connect Times over Time
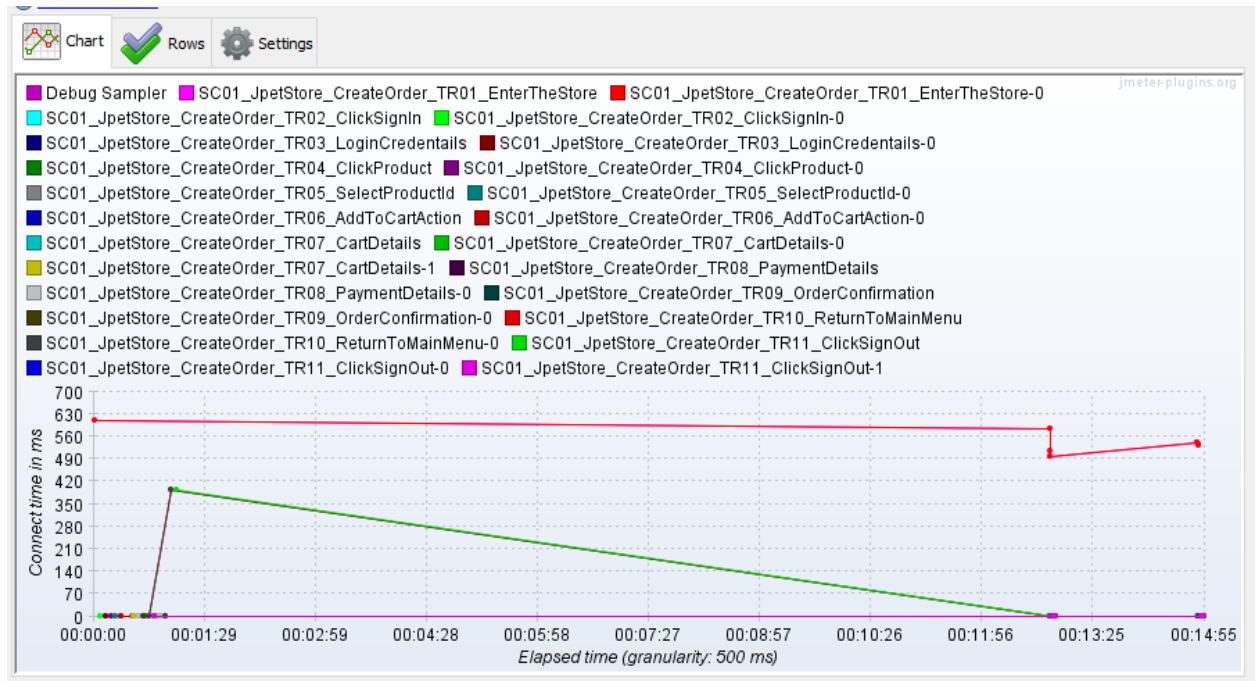
h) Hits per second
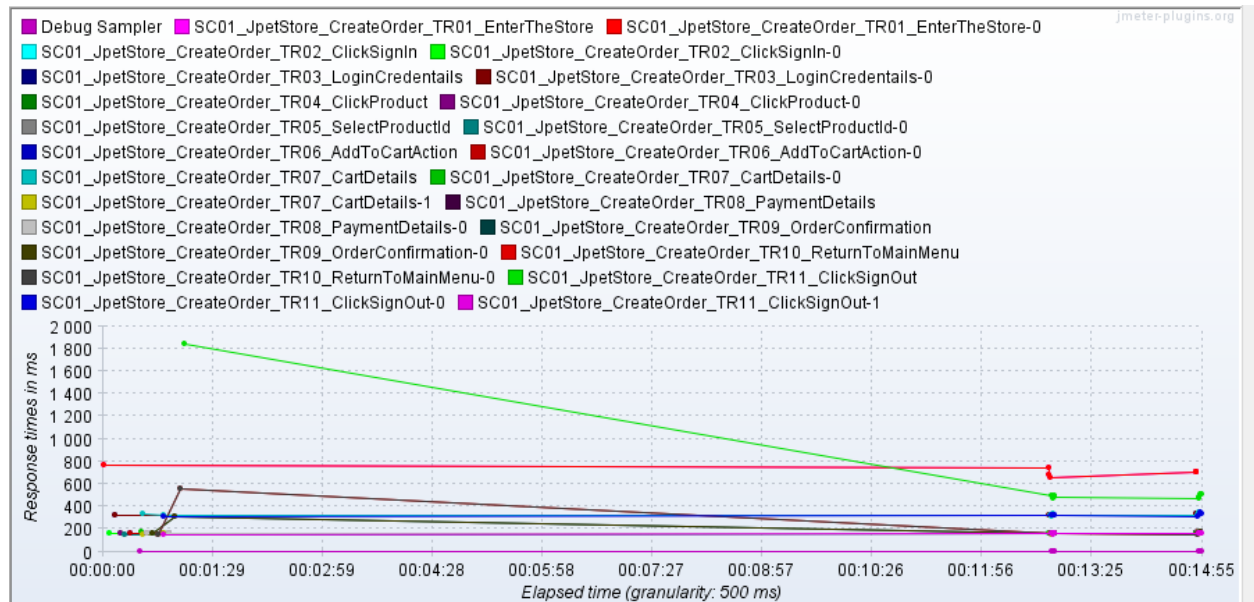
i) Response Codes per Second
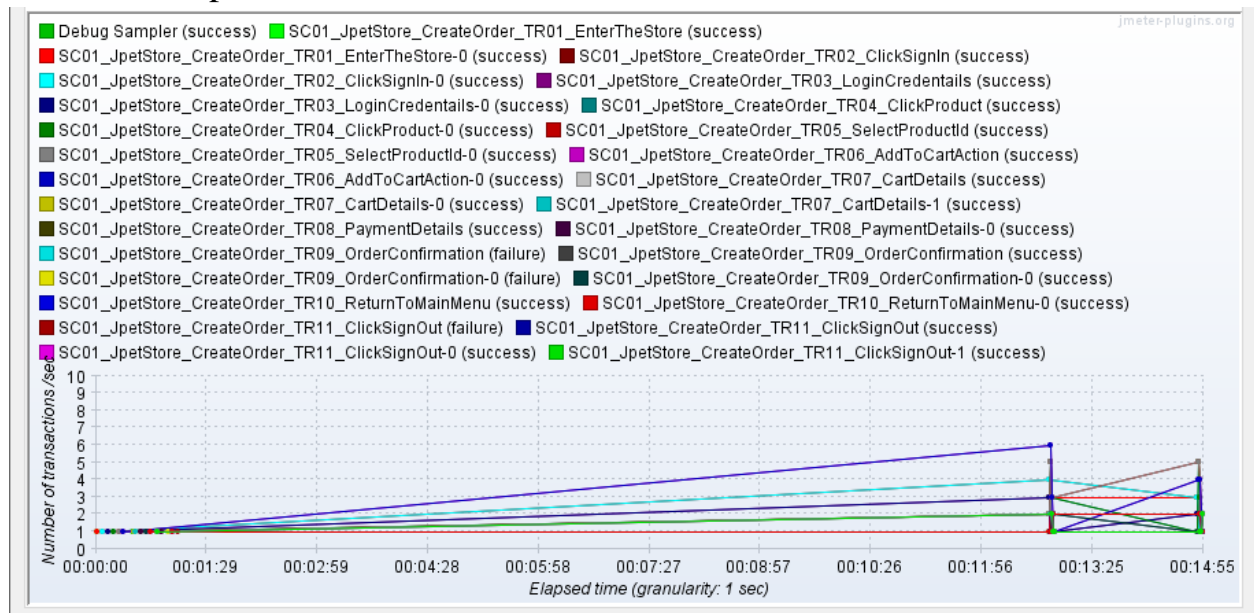

j) Response Latencies over Time

k) Response Times over time

l) Transactions per second

RESULT

To generate

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 is successfully executed.