

# Fake News Faux Real :

## Group 24 : Non-Functional Testing

### Jmeter Testing :

- This testing is called Load testing or Scalability testing.
  - It ensures fast and scalable software.
  - You can perform this test by running multiple application simultaneously, subjecting a server to a high amount of traffic.
- 
- Home page

The screenshot shows the 'HTTP Request' configuration window in Apache JMeter. The 'Name' field is set to 'Home\_page'. The 'Basic' tab is selected, showing the 'Web Server' section with 'Protocol [http:]' set to 'http', 'Server Name or IP' set to '127.0.0.1', and 'Port Number' set to '2000'. The 'HTTP Request' section shows the method 'GET' and an empty 'Path' field. Checkboxes for 'Follow Redirects' and 'Use KeepAlive' are checked. The 'Parameters' tab is also visible, showing a table for 'Send Parameters With the Request'.

Name:	Value	URL Encode?	Content-Type	Include Equals?
-------	-------	-------------	--------------	-----------------

Buttons at the bottom: Detail, Add, Add from Clipboard, Delete, Up, Down.

## Sign Up page

### HTTP Request

Name:

Comments:

▲ ▼ ...

Basic Advanced

Web Server

Protocol [http]:  Server Name or IP:  Port Number:

HTTP Request

GET ▼ Path:  Content encoding:

☐ Redirect Automatically ☒ Follow Redirects ☒ Use KeepAlive ☐ Use multipart/form-data ☐ Browser-compatible headers

Parameters Body Data Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
-------	-------	-------------	--------------	-----------------

Detail Add Add from Clipboard Delete Up Down

## Login Page

### HTTP Request

Name:

Comments:

▲ ▼ ...

Basic Advanced

Web Server

Protocol [http]:  Server Name or IP:  Port Number:

HTTP Request

GET ▼ Path:  Content encoding:

☐ Redirect Automatically ☒ Follow Redirects ☒ Use KeepAlive ☐ Use multipart/form-data ☐ Browser-compatible headers

Parameters Body Data Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
-------	-------	-------------	--------------	-----------------

Detail Add Add from Clipboard Delete Up Down

## News Detection Page

### HTTP Request

Name:

news\_detection

Comments:

▲ ▼

...

Basic

Advanced

Web Server

Protocol [http]:

Server Name or IP: 127.0.0.1

Port Number: 2000

HTTP Request

GET

▼

Path: /news\_detection

Content encoding:

☐ Redirect Automatically

☒ Follow Redirects

☒ Use KeepAlive

☐ Use multipart/form-data

☐ Browser-compatible headers

Parameters

Body Data

Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
-------	-------	-------------	--------------	-----------------

Detail

Add

Add from Clipboard

Delete

Up

Down

## Contact us Page

### HTTP Request

Name:

contact\_us

Comments:

▲ ▼

...

Basic

Advanced

Web Server

Protocol [http]:

Server Name or IP: 127.0.0.1

Port Number: 2000

HTTP Request

GET

▼

Path: /contact\_us

Content encoding:

☐ Redirect Automatically

☒ Follow Redirects

☒ Use KeepAlive

☐ Use multipart/form-data

☐ Browser-compatible headers

Parameters

Body Data

Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
-------	-------	-------------	--------------	-----------------

Detail

Add

Add from Clipboard

Delete

Up

Down

# About us Page

HTTP Request

Name:

about\_us

Comments:

...

Basic

Advanced

Web Server

Protocol [http]:

Server Name or IP:

127.0.0.1

Port Number:

2000

HTTP Request

GET

Path:

/about\_us

Content encoding:

☐ Redirect Automatically

☒ Follow Redirects

☒ Use KeepAlive

☐ Use multipart/form-data

☐ Browser-compatible headers

Parameters

Body Data

Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
-------	-------	-------------	--------------	-----------------

Detail

Add

Add from Clipboard

Delete

Up

Down

## Test 1:

### a. Test Parameters

- 10 users
- 1 sec time interval between two consecutive requests
- 10 requests per users

#### Thread Group

Name:

Comments:

Action to be taken after a Sampler error

☒ Continue ☐ Start Next Thread Loop ☐ Stop Thread ☐ Stop Test ☐ Stop Test Now

#### Thread Properties

Number of Threads (users):

Ramp-up period (seconds):

Loop Count: ☐ Infinite

☒ Same user on each iteration

☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

## b. Results obtained

- Result in tree form

View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

Filename   Log/Display Only: ☐ Errors ☐ Successes

Search:  ☐ Case sensitive ☐ Regular exp.

Text

- login
- Home\_page
- login
- Home\_page
- news\_detection
- login
- sign\_up
- news\_detection
- contact\_us
- sign\_up
- news\_detection
- sign\_up
- news\_detection
- Home\_page
- login
- about\_us

☐ Scroll automatically?

Raw ☒ Parsed

- Result in Table form

View Results in Table

Name: View Results in Table

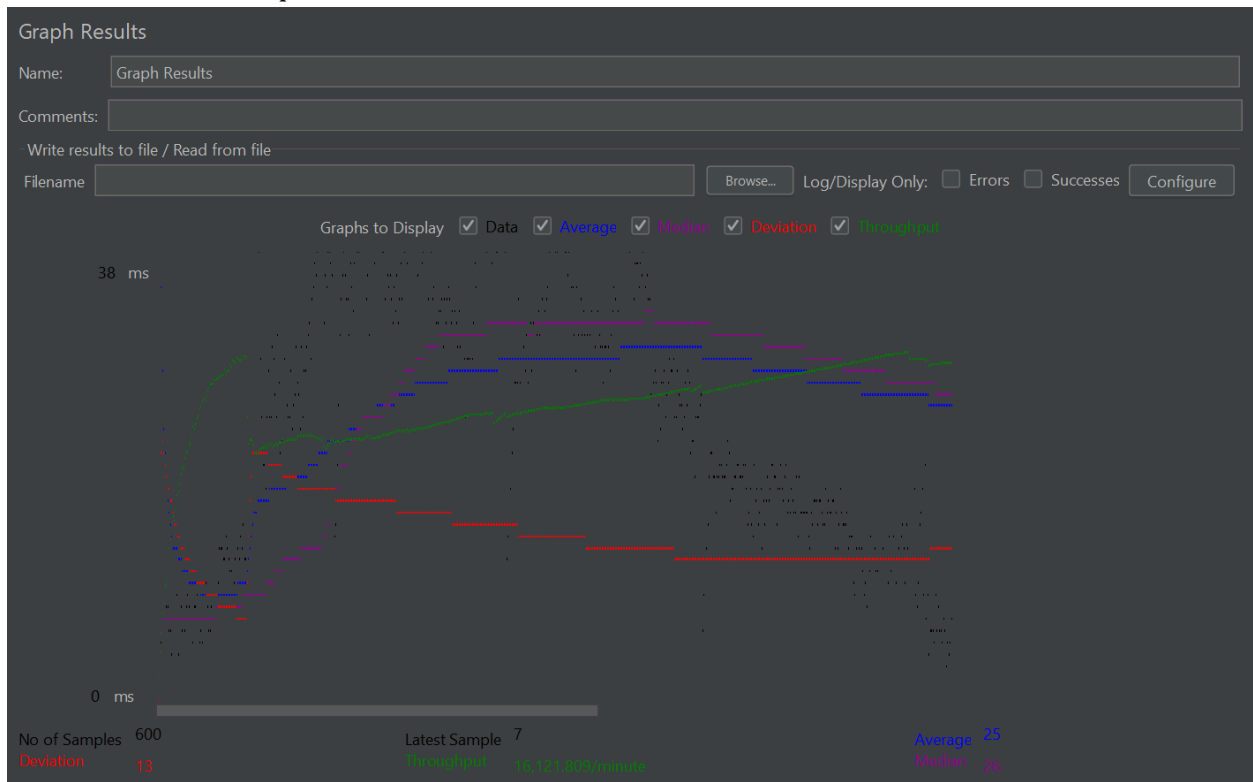
Comments:

Write results to file / Read from file

Filename   Log/Display Only: ☐ Errors ☐ Successes

Sample #	Start Time	Thread Name	Label	Sample Time(...)	Status	Bytes	Sent Bytes	Latency	Connect Time...
581	11:04:02.233	Thread Group...	contact_us	7		3404	126	7	1
582	11:04:02.229	Thread Group...	news_detection	9		4813	130	8	1
583	11:04:02.287	Thread Group...	contact_us	4		3404	126	4	0
584	11:04:02.287	Thread Group...	news_detection	6		4813	130	5	0
585	11:04:02.287	Thread Group...	about_us	6		4890	124	6	0
586	11:04:02.291	Thread Group...	about_us	6		4890	124	6	1
587	11:04:02.293	Thread Group...	contact_us	5		3404	126	4	1
588	11:04:02.294	Thread Group...	Home_page	9		4008	116	9	0
589	11:04:02.298	Thread Group...	about_us	6		4890	124	6	1
590	11:04:02.298	Thread Group...	Home_page	8		4008	116	7	1
591	11:04:02.303	Thread Group...	sign_up	6		2135	122	5	1
592	11:04:02.306	Thread Group...	sign_up	6		2135	122	6	1
593	11:04:02.309	Thread Group...	login	5		1977	121	5	1
594	11:04:02.312	Thread Group...	login	7		1977	121	7	1
595	11:04:02.314	Thread Group...	news_detection	6		4813	130	6	1
596	11:04:02.320	Thread Group...	news_detection	3		4813	130	3	1
597	11:04:02.320	Thread Group...	contact_us	5		3404	126	5	1
598	11:04:02.324	Thread Group...	contact_us	4		3404	126	4	0
599	11:04:02.326	Thread Group...	about_us	5		4890	124	5	0
600	11:04:02.328	Thread Group...	about_us	7		4890	124	7	1

- Result in Graph form



## Test 2:

### a. Test parameters

- 100 users
- 2 sec time interval between two consecutive requests
- 100 requests per users

### Thread Group

Name:

Comments:

Action to be taken after a Sampler error

☒ Continue
 ☐ Start Next Thread Loop
 ☐ Stop Thread
 ☐ Stop Test
 ☐ Stop Test Now

#### Thread Properties

Number of Threads (users):

Ramp-up period (seconds):

Loop Count: ☐ Infinite

☒ Same user on each iteration  
☐ Delay Thread creation until needed  
☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

## b. Results obtained

- Tree form

### View Results Tree

Name:

Comments:

Write results to file / Read from file

Filename   Log/Display Only: ☐ Errors ☐ Successes

Search:  ☐ Case sensitive ☐ Regular exp.

Text

- about\_us
- sign\_up
- news\_detection
- login
- about\_us
- news\_detection
- Home\_page
- about\_us
- about\_us
- about\_us
- about\_us
- sign\_up
- about\_us
- Home\_page
- about\_us
- sign\_up

☐ Scroll automatically?

Raw ☒ Parsed



- Table form

View Results in Table

Name:

Comments:

Write results to file / Read from file

Filename   Log/Display Only: ☐ Errors ☐ Successes

Sample #	Start Time	Thread Name	Label	Sample Time(...)	Status	Bytes	Sent Bytes	Latency	Connect Time...
17297	11:13:50.801	Thread Group...	contact_us	25	✖	2326	0	0	25
17298	11:13:50.420	Thread Group...	Home_page	488	✔	4008	116	488	1
17299	11:13:50.417	Thread Group...	news_detection	486	✔	4813	130	486	0
17300	11:13:50.414	Thread Group...	about_us	484	✔	4890	124	483	1
17301	11:13:50.413	Thread Group...	news_detection	480	✔	4813	130	480	1
17302	11:13:50.411	Thread Group...	about_us	474	✔	4890	124	473	1
17303	11:13:50.428	Thread Group...	news_detection	489	✔	4813	130	486	1
17304	11:13:50.408	Thread Group...	sign_up	476	✔	2135	122	476	1
17305	11:13:50.401	Thread Group...	news_detection	477	✔	4813	130	477	1
17306	11:13:50.400	Thread Group...	news_detection	474	✔	4813	130	474	1
17307	11:13:50.396	Thread Group...	contact_us	467	✔	3404	126	467	1
17308	11:13:50.394	Thread Group...	contact_us	461	✔	3404	126	461	1
17309	11:13:50.387	Thread Group...	login	462	✔	1977	121	462	1
17310	11:13:50.383	Thread Group...	news_detection	464	✔	4813	130	463	1
17311	11:13:50.426	Thread Group...	login	494	✔	1977	121	488	1
17312	11:13:50.381	Thread Group...	Home_page	463	✔	4008	116	463	0
17313	11:13:50.917	Thread Group...	contact_us	11	✖	2326	0	0	11
17314	11:13:50.380	Thread Group...	news_detection	463	✔	4813	130	463	0
17315	11:13:50.807	Thread Group...	login	25	✖	2326	0	0	25
17316	11:13:50.810	Thread Group...	about us	21	✖	2326	0	0	21

- Graph form



### Test 3:

a. Test parameters

- 1000 users
- 3 sec time interval between two consecutive requests
- 100 requests per users

#### Thread Group

Name:

Thread Group

Comments:

Action to be taken after a Sampler error

☒ Continue

☐ Start Next Thread Loop

☐ Stop Thread

☐ Stop Test

☐ Stop Test Now

Thread Properties

Number of Threads (users):

1000

Ramp-up period (seconds):

3

Loop Count:

☐ Infinite

100

☒ Same user on each iteration

☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

## b. Results

- Tree form

View Results Tree

Name:

Comments:

Write results to file / Read from file

Filename   Log/Display Only: ☐ Errors ☐ Successes

Search:  ☐ Case sensitive ☐ Regular exp.

Text

- about\_us
- about\_us
- login
- login
- about\_us
- contact\_us
- sign\_up
- contact\_us
- login
- about\_us
- about\_us
- sign\_up
- about\_us
- about\_us
- login
- sign\_up

☐ Scroll automatically?

Raw ☒ Parsed

- Table form

View Results in Table

Name:

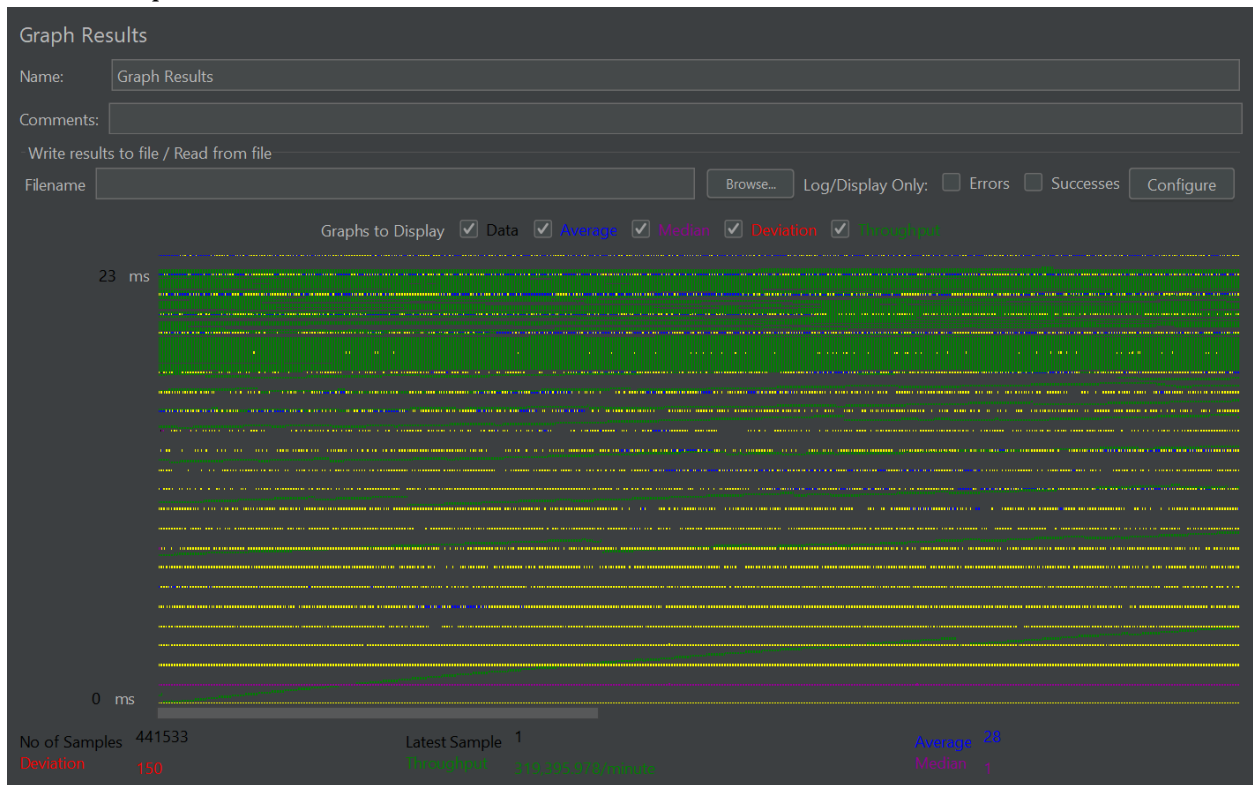
Comments:

Write results to file / Read from file

Filename   Log/Display Only: ☐ Errors ☐ Successes

Sample #	Start Time	Thread Name	Label	Sample Time(...)	Status	Bytes	Sent Bytes	Latency	Connect Time...
1	11:17:10.591	Thread Group...	Home_page	8		4008	116	8	1
2	11:17:10.593	Thread Group...	Home_page	14		4008	116	14	0
3	11:17:10.596	Thread Group...	Home_page	17		4008	116	17	0
4	11:17:10.599	Thread Group...	Home_page	119		4008	116	119	0
5	11:17:10.602	Thread Group...	Home_page	135		4008	116	135	0
6	11:17:10.604	Thread Group...	Home_page	168		4008	116	168	1
7	11:17:10.599	Thread Group...	sign_up	185		2135	122	185	1
8	11:17:10.607	Thread Group...	sign_up	194		2135	122	194	1
9	11:17:10.610	Thread Group...	Home_page	234		4008	116	234	1
10	11:17:10.613	Thread Group...	sign_up	238		2135	122	237	0
11	11:17:10.613	Thread Group...	Home_page	290		4008	116	290	0
12	11:17:10.615	Thread Group...	Home_page	320		4008	116	320	0
13	11:17:10.617	Thread Group...	Home_page	332		4008	116	332	1
14	11:17:10.620	Thread Group...	Home_page	383		4008	116	382	1
15	11:17:11.051	Thread Group...	Home_page	2		2594	0	0	1
16	11:17:11.048	Thread Group...	Home_page	5		2594	0	0	5
17	11:17:11.048	Thread Group...	Home_page	5		2594	0	0	4
18	11:17:11.053	Thread Group...	Home_page	1		2594	0	0	1
19	11:17:11.055	Thread Group...	Home_page	1		2594	0	0	1
20	11:17:11.056	Thread Group...	sign_up	0		2594	0	0	0

- Graph form



## Test 4:

### a. Test Parameters

- 1000 users
- 0.1 sec time interval between two consecutive requests
- 1000 requests per users



- Table form

View Results in Table

Name: View Results in Table

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only: ☐ Errors ☐ Successes

Configure

Sample #	Start Time	Thread Name	Label	Sample Time[...	Status	Bytes	Sent Bytes	Latency	Connect Time...
1	11:20:30.489	Thread Group...	Home_page	12		4008	116	12	1
2	11:20:30.489	Thread Group...	Home_page	19		4008	116	19	1
3	11:20:30.489	Thread Group...	Home_page	40		4008	116	40	1
4	11:20:30.490	Thread Group...	Home_page	42		4008	116	42	1
5	11:20:30.490	Thread Group...	Home_page	54		4008	116	54	1
6	11:20:30.492	Thread Group...	Home_page	59		4008	116	59	0
7	11:20:30.492	Thread Group...	Home_page	62		4008	116	62	0
8	11:20:30.492	Thread Group...	Home_page	81		4008	116	81	1
9	11:20:30.492	Thread Group...	Home_page	86		4008	116	86	1
10	11:20:30.493	Thread Group...	Home_page	95		4008	116	95	1
11	11:20:30.494	Thread Group...	Home_page	104		4008	116	104	0
12	11:20:30.496	Thread Group...	Home_page	125		4008	116	124	0
13	11:20:30.496	Thread Group...	Home_page	137		4008	116	137	1
14	11:20:30.496	Thread Group...	Home_page	145		4008	116	145	0
15	11:20:30.496	Thread Group...	Home_page	166		4008	116	165	1
16	11:20:30.499	Thread Group...	Home_page	174		4008	116	174	0
17	11:20:30.499	Thread Group...	Home_page	181		4008	116	181	0
18	11:20:30.498	Thread Group...	Home_page	189		4008	116	189	1
19	11:20:30.501	Thread Group...	Home_page	193		4008	116	193	0
20	11:20:30.696	Thread Group...	Home_page	1		2594	0	0	1

- Graph form

