

The Naive Baker

Group-8

Non-Functional Testing

Non-Functional Testing is defined as a type of Software testing to check non-functional aspects (performance, usability, reliability, etc) of a software application. It is designed to test the readiness of a system as per nonfunctional parameters which are never addressed by functional testing. An excellent example of a non-functional test would be to check how many people can simultaneously login into a software. Non-functional testing is equally important as functional testing and affects client satisfaction.

Tool used : Jmeter

Running Test for : Load Testing

Home :

HTTP Request

Name:

NaiveBaker

Comments:

▲ ▼

...

Basic

Advanced

Web Server

Protocol [http]:

Server Name or IP:

naivebaker.onrender.com

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?
-------	-------	-------------	--------------	-----------------

Search :

HTTP Request

Name:

Search

Comments:

▲ ▼

...

Basic

Advanced

Web Server

Protocol [http]:

Server Name or IP:

naivebaker.onrender.com

Port Number:

HTTP Request

GET

▼

Path:

/search/

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?
-------	-------	-------------	--------------	-----------------

AboutUs :

HTTP Request

Name: AboutUs

Comments:

Basic

Advanced

Web Server

Protocol [http]: Server Name or IP: naivebaker.onrender.com Port Number:

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?
-------	-------	-------------	--------------	-----------------

TEST - 1 :

Test Parameters :

- 100 users
- 2 sec time interval between two consecutive requests
- 10 loop counter

Test Plan

Thread Group

NaiveBaker

Search

AboutUs

View Results Tree

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): 100

Ramp-up period (seconds): 2

Loop Count: ☐ Infinite 10

☒ Same user on each iteration

☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

Results :

Result tree-

View Results Tree

Name:

Comments:

Write results to file / Read from file

Filename Log/Display Only: ☐ Errors ☐ Successes

Search: ☐ Case sensitive ☐ Regular exp.

Text

- > ☒ Search
- > ☒ Search
- > ☒ Search
- > ☒ Search
- > ☒ Search
- > ☒ Search
- > ☒ AboutUs
- > ☒ Search
- > ☒ AboutUs
- > ☒ AboutUs
- > ☒ NaiveBaker
- > ☒ AboutUs
- > ☒ NaiveBaker
- > ☒ AboutUs
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- > ☒ Search
- > ☒ Search
- > ☒ AboutUs
- > ☒ Search
- > ☒ AboutUs
- > ☒ Search

☐ Scroll automatically?

Summary Report-

[illegible]

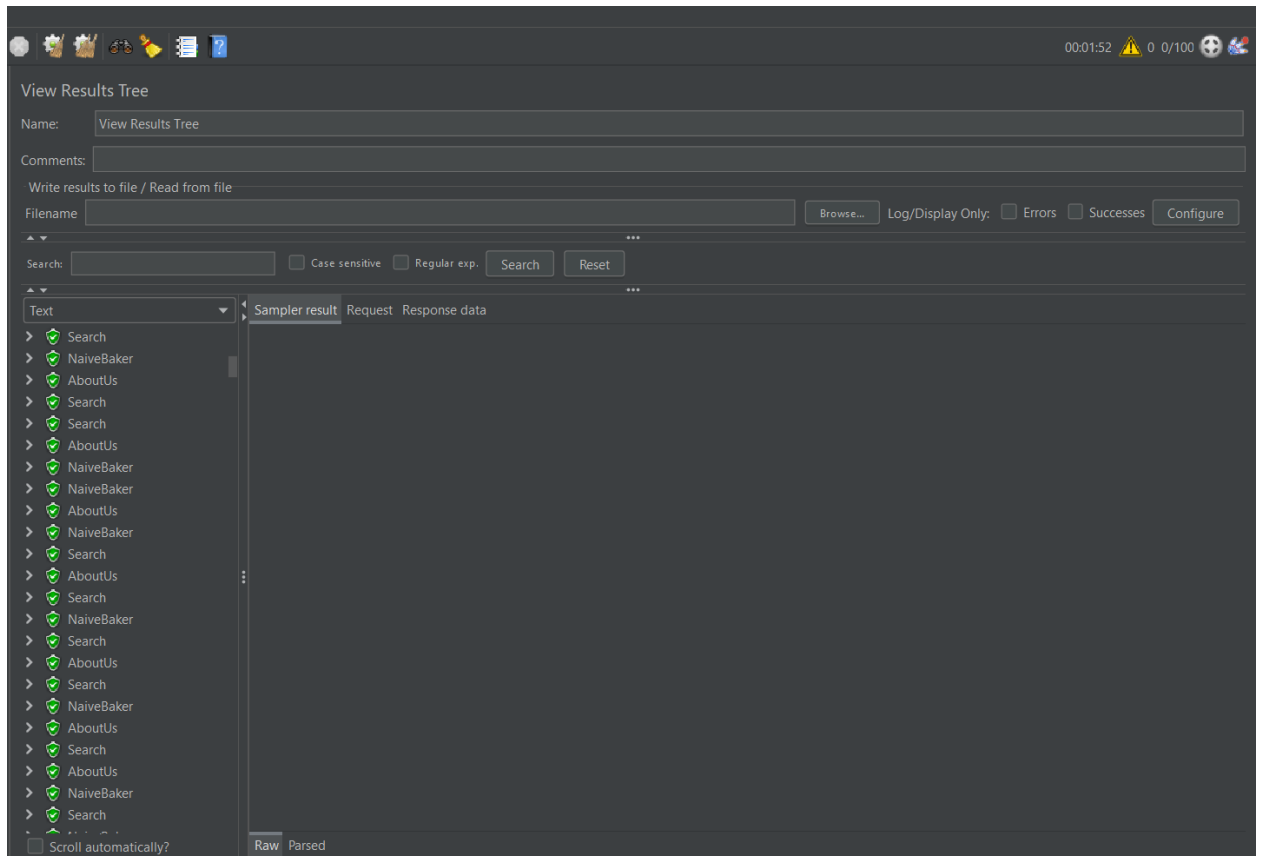
TEST - 2 :

a. Test Parameters :

- 100 users
- 1 sec time interval between two consecutive requests
- 100 loop counter

b. Results :

Result Tree-



Summary Report-

Summary Report

Name:

Comments:

Write results to file / Read from file

Filename Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
NaiveBaker	10000	356	286	1615	85.81	0.00%	89.9/sec	214.89	21.96	2446.4
Search	10000	353	290	1429	58.87	0.00%	90.8/sec	218.10	23.40	2460.3
AboutUs	10000	352	290	1376	47.76	0.00%	91.1/sec	219.34	23.85	2464.3
TOTAL	30000	353	286	1615	66.13	0.00%	268.0/sec	643.03	68.22	2457.0

TEST - 3 :

a. Test Parameters :

- 1000 users
- 2 sec time interval b/e 2 consecutive requests
- 5 loop counters

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

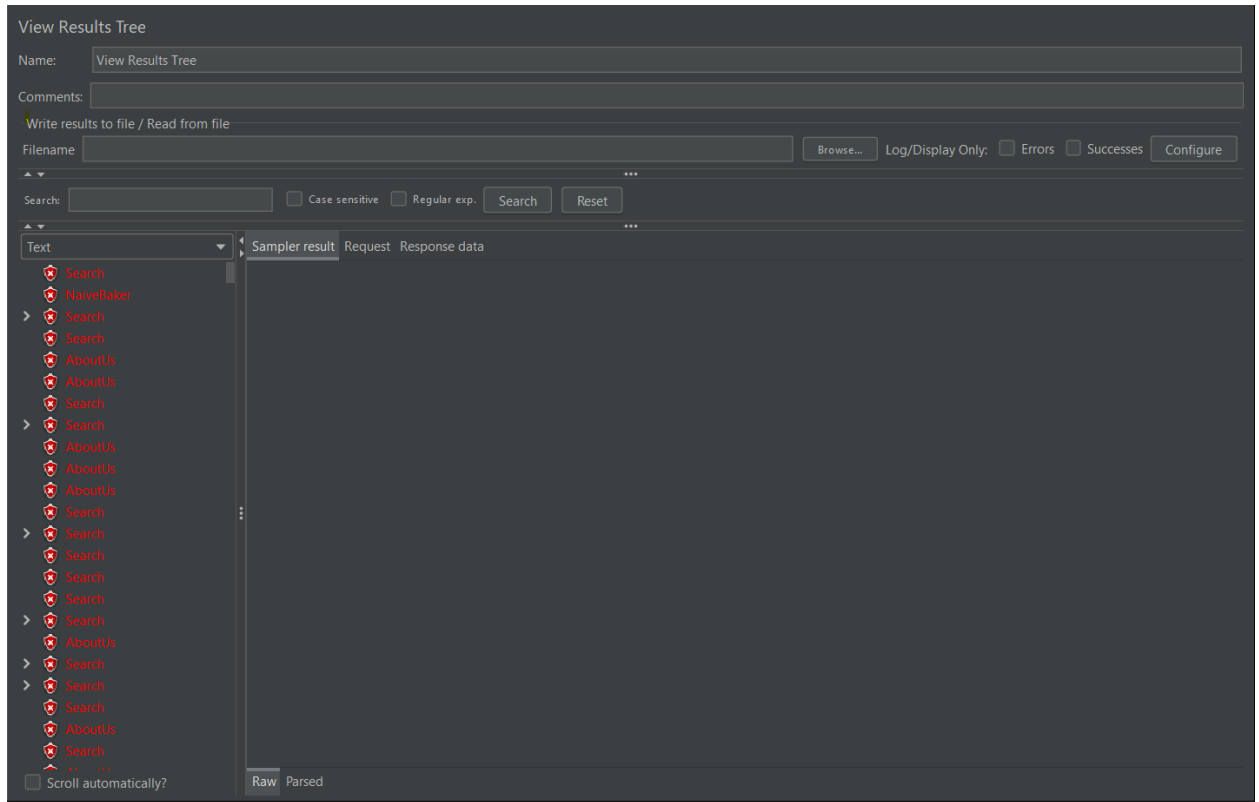
☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

b. Results :
Result Tree-

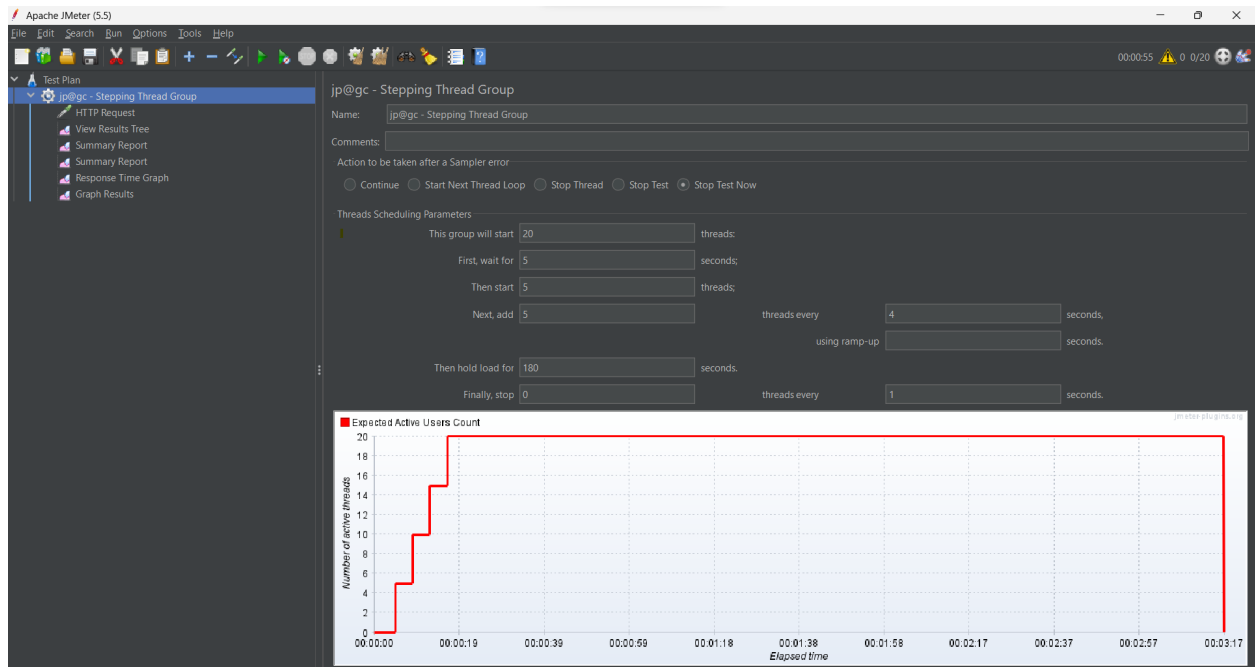


Summary Report-

[illegible]

Endurance Testing :

This is Step Up for Home page :



Total threads = 20

Step Up = 5 threads after every 4 seconds

Results :

Result tree :

[illegible]

Summary report :

00:01:29 0 0/20

Summary Report

Name:

Comments:

Write results to file / Read from file

Filename Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	1088	1429	80	36332	6629.55	0.00%	13.0/sec	21.93	1.58	1731.4
TOTAL	1088	1429	80	36332	6629.55	0.00%	13.0/sec	21.93	1.58	1731.4