# Non Functional Testing Report Group-24 (AlgrowBiz)

## > Tool used:

Apache JMeter: An open-source testing tool used to measure and analyze the performance of applications, including web services, APIs, and databases. It supports simulating high-load scenarios for testing the system's robustness.

## ➤ Login Page Test Report

## • Thread properties:

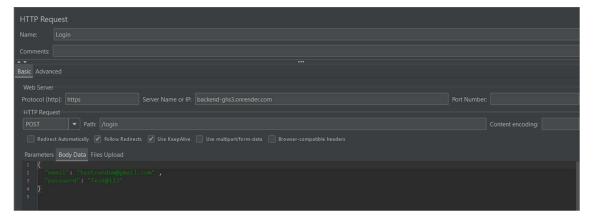
Number of threads: 100

Ramp up period: 10

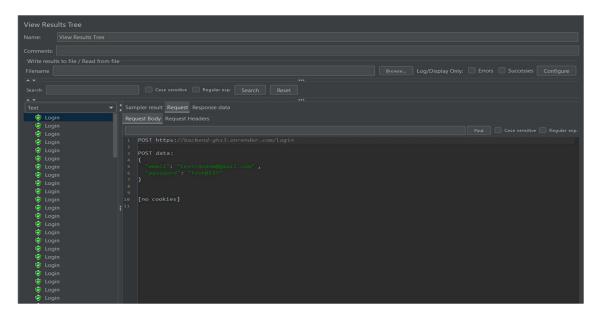
Loop: 1



• HTTP Request type: POST



#### • Result tree:



• Summary report for 100 samples

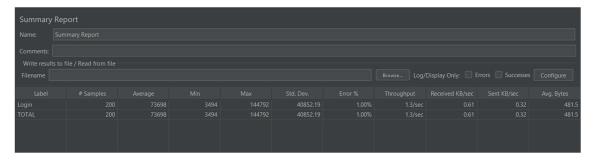


Error: 0%

• Increasing the users to 200, keeping other factors same.

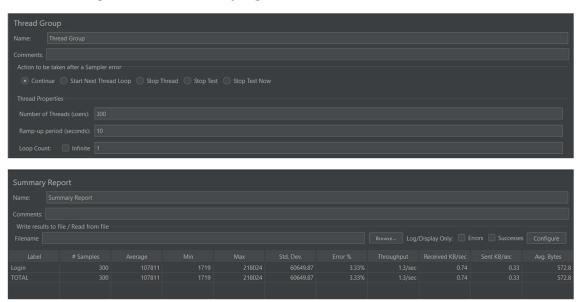


## • Summary report for 200 samples



Error: 1%

• Increasing users to 300, keeping other factors same



Error: 3.3%

We notice that the error percentage increases as number of users increases.

# ➤ Signup Page Test Report

## • Thread properties

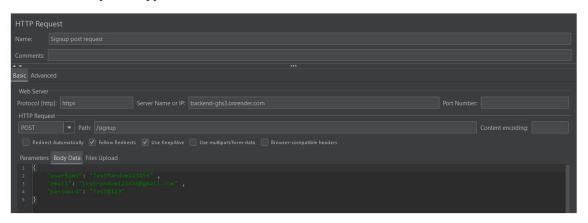
Number of threads: 100

Ramp up period: 10

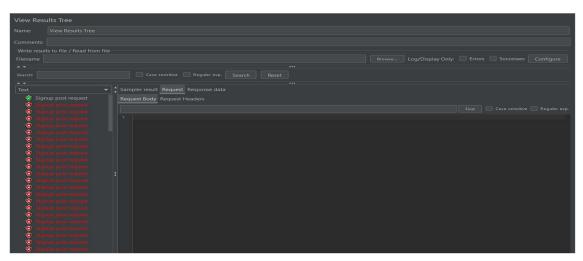
Loop: 1



• HTTP Request type: POST



### • Results tree:





**Error: 99%** 

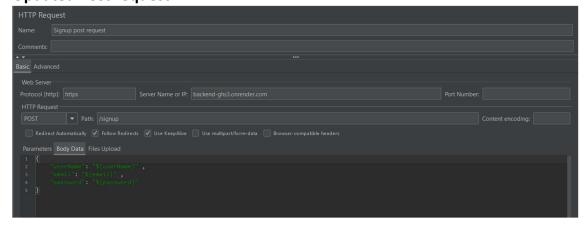
#### Reason for error:

One email can be used to register once. In our case the first thread was successful because it was a email never used before to signup. However once that was executed, that email can no longer be used to register again, hence we got error. The backend returns '400 Bad Request' which is treated as an error by Jmeter.

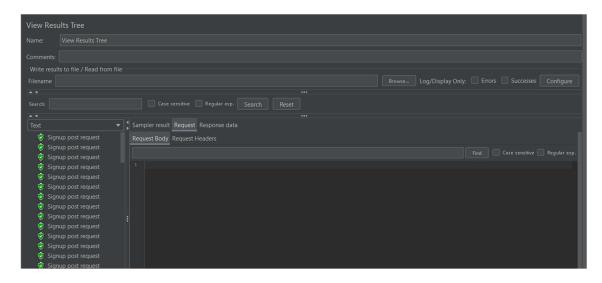
#### • How to reolve the error:

Use a mock data with different usernames and emails.
Using mock data with different userNames and emails , we get following results

#### • Updated Post request:



#### • Result tree for 100 user:



• Summary report for 100 users

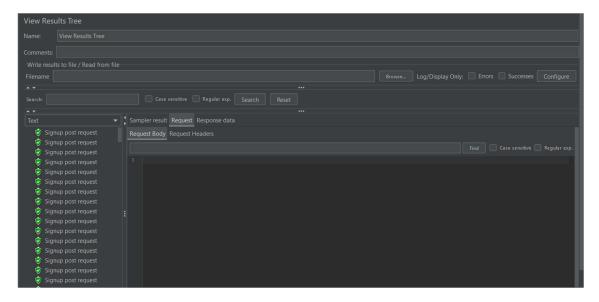


Error: 0%

• Increasing users to 200:

Thread Group	
	Threads (users): 200

• Result tree for 200 user:



• Summary report for 200 users

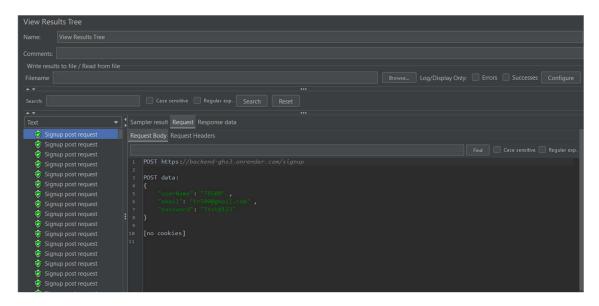


Error: 0.5%

• Increasing users to 300:



• Result tree for 300 user:



• Summary report for 300 users



Error: 0%

Same tests can be performed for other pages as well.