Non-functional testing

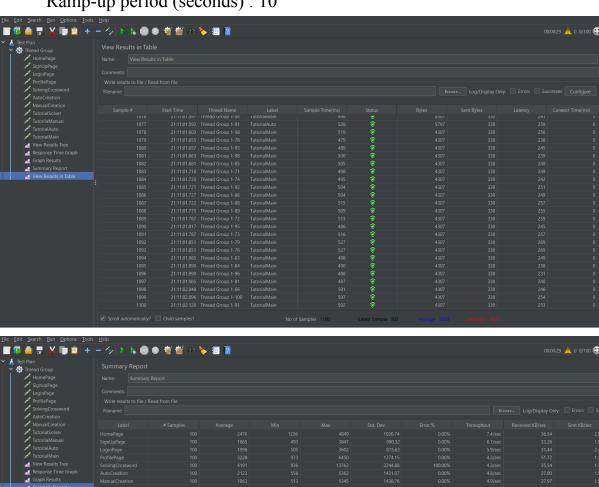
➤ Performance & Load testing

- o Testing a system or software programme to see if it can handle a large number of users or transactions is known as load testing.
- o Many tools, like Jmeter and Webload, can be used to perform load testing. In our case, load testing is being done using the Apache Jmeter tool.

Low traffic

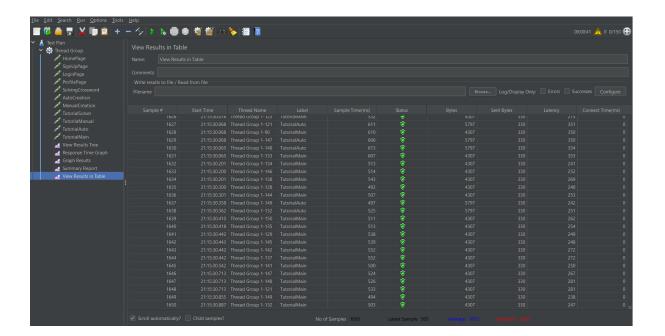
1. No. of users: 100

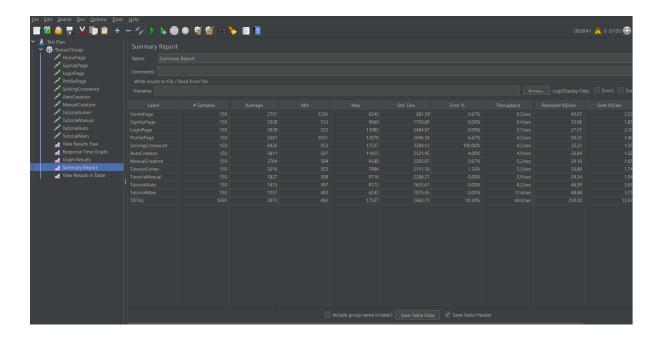
Ramp-up period (seconds): 10

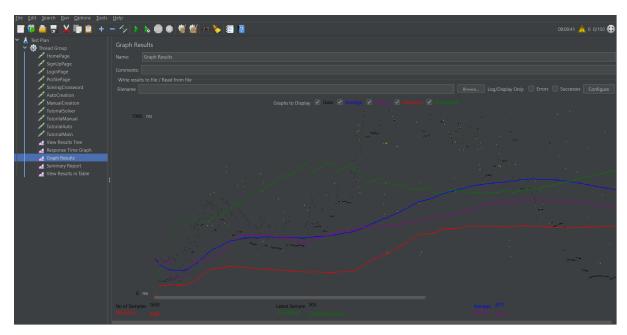




2. No. of users: 150 Ramp-up period(seconds): 10



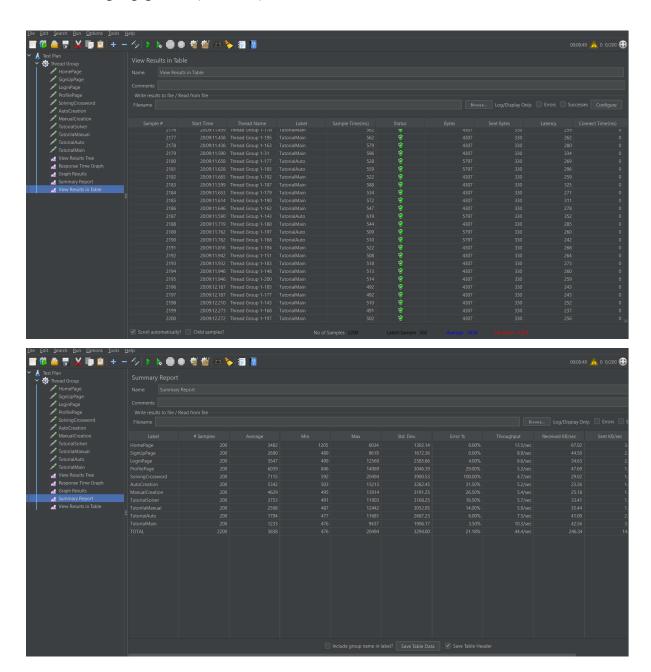


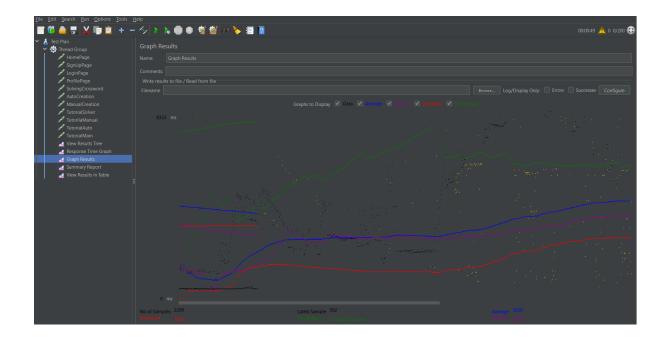


• Medium traffic

3. No. of users: 200

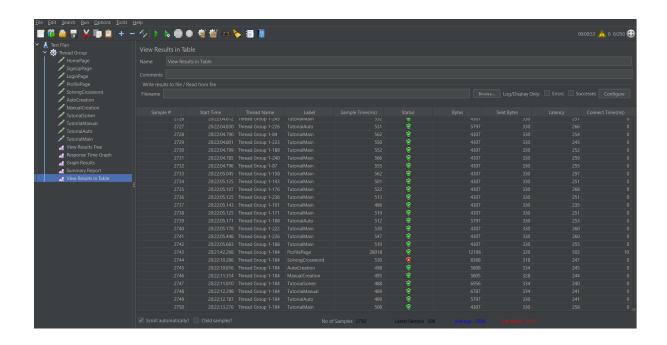
Ramp-up period(seconds): 10

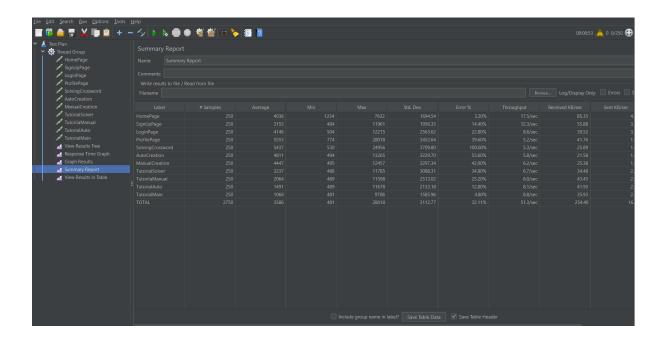


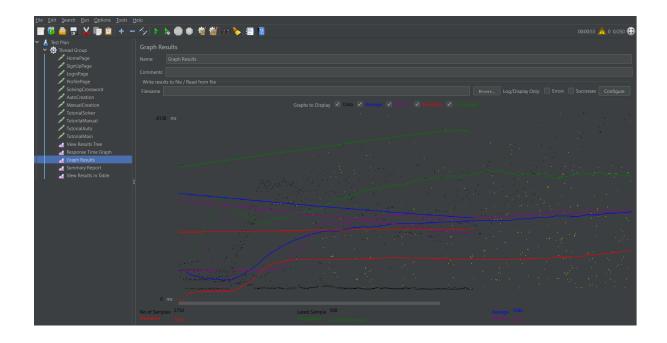


4. No. of users: 250

Ramp-up period(seconds): 8

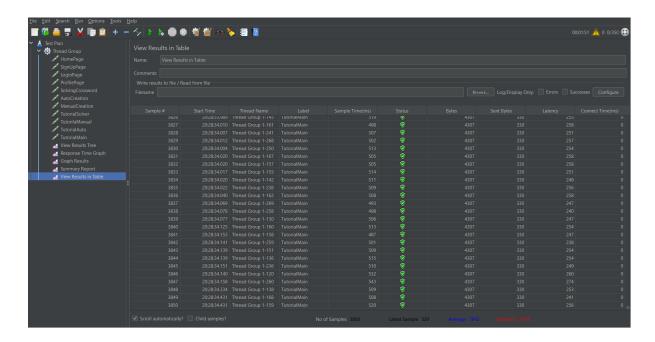


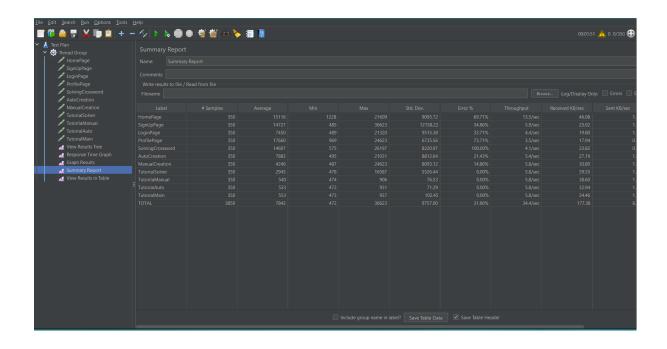


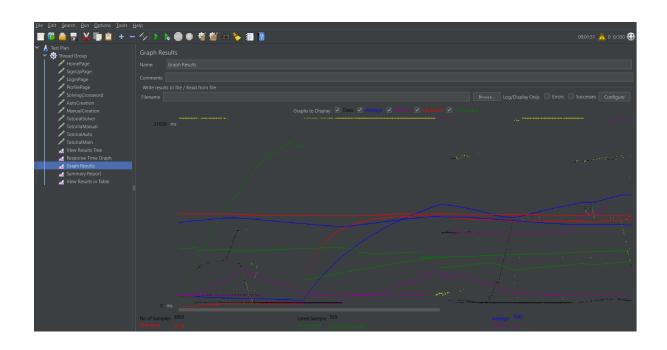


• High traffic

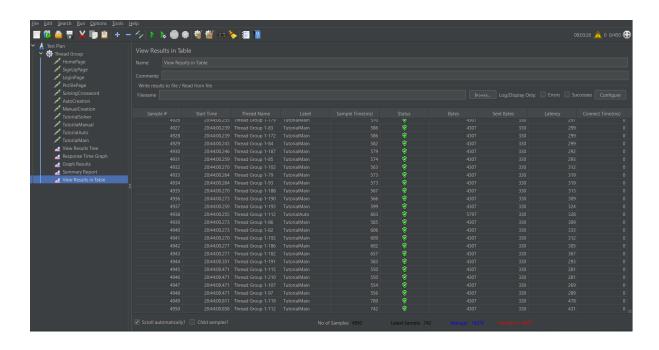
5. No. of users: 350
Ramp-up period(seconds): 5

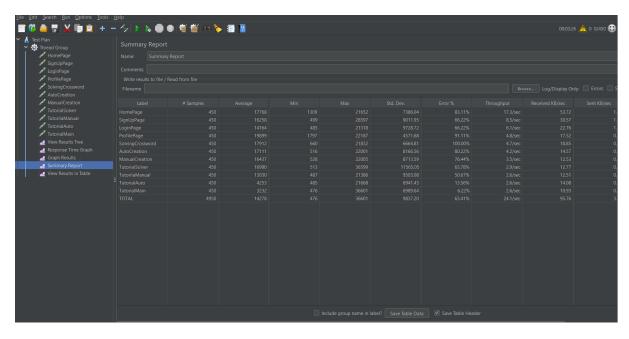


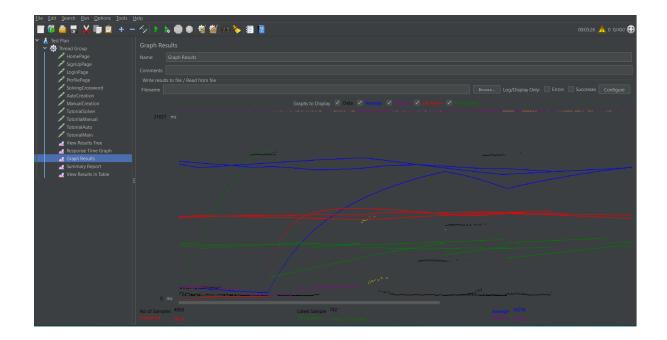




6. No of users: 450 Ramp-up period(Second): 5





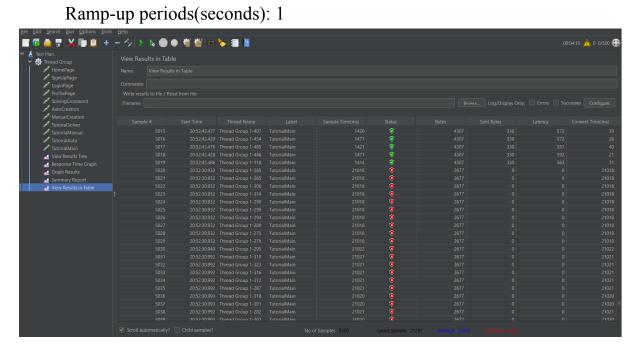


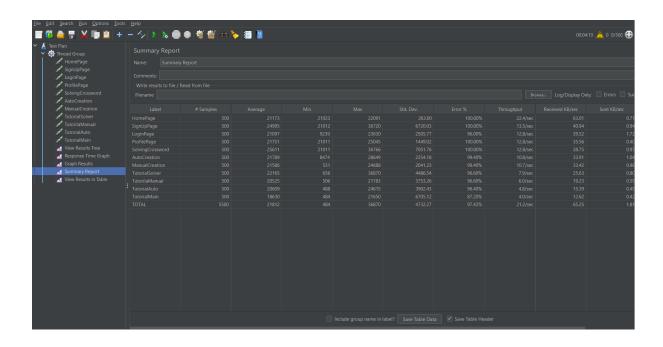
> Stress testing

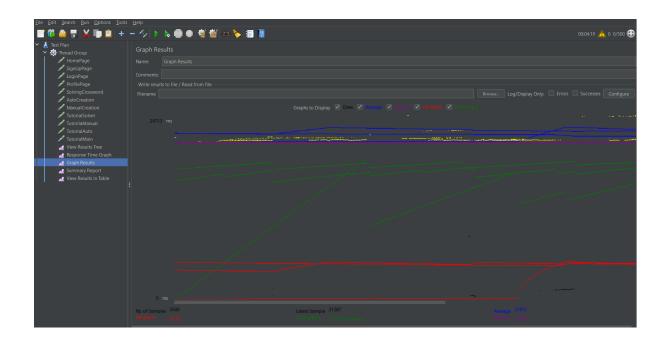
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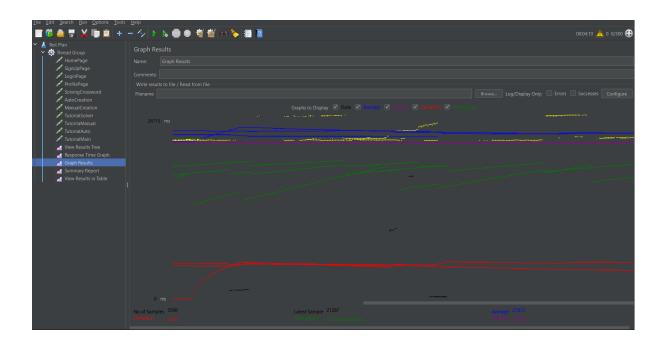
- O Stress tests help you understand the upper limits of a system's capacity using a load beyond the expected maximum.
- In other words, stress tests help you determine how a system would behave under an extreme load. The goal is more to determine a maximum limit than to identify bottlenecks.
- o In order to do stress testing, we have used the Apache JMeter tool.

7. No. of users: 500









> Compatibility Testing

- Compatibility testing is an essential part of software testing that evaluates the ability of a software application to function correctly in different environments.
- When tested on different Operating systems (window & Mac) it works normally.
- While in Mobile phone & in tablet, the website seems less responsive and some bugs like the in home page the side-bar is not opening.

> Security Testing

- It identifies system vulnerabilities and ensures that the system's data and resources are safe from attackers. It assures that the software system and application are free of threats or risks that could result in a loss.
- There is one threat that the database admin can see user details as the data is unencrypted.