

IT314 SOFTWARE ENGINEERING

Group 16 Online Examination System

Non-Functional Testing

Prof. Saurabh Tiwari

Group Members:

No	Student Id	Name
1	202201204	Meet Mahaliya
2	202201208	Devang Vaghani
3	202201210	Mihir Prajapati
4	202201214	Harshali Dharmik
5	202201225	Gunjan Saroliya
6	202201227	Nishank Kansara
7	202201229	Yash Chaudhari
8	202201241	Divyesh Ramani
9	202201242	Dev Davda
10	202201251	Mehul Vagh

1. Introduction

Non-functional requirements describe the qualities, constraints, and characteristics of a system rather than its specific behaviors or functions. Unlike functional requirements, which define what a system should do, NFRs define how well the system should perform or how scalable it must be.

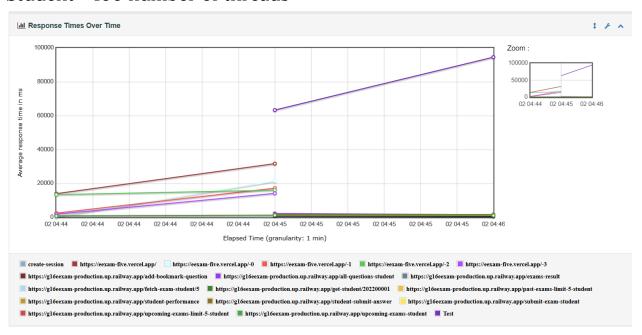
2. What did we do?

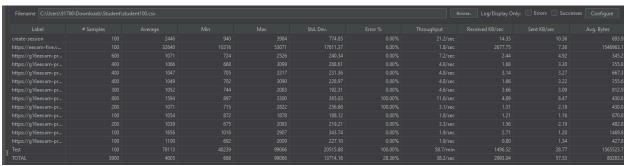
We have done **load testing** using Apache jMeter. Also, We used BlazeMeter for getting the .jmx file.

We tried different loads on the Admin, Student and Examiner side. On the Admin side, we used 10 and 50 numbers of threads (users). On the Student side, we used 100 and 600 numbers of threads (users). On the Examiner side, we used 20 and 200 numbers of threads (users).

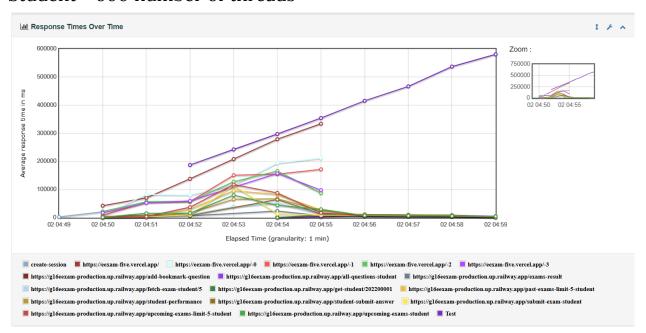
3. Results:

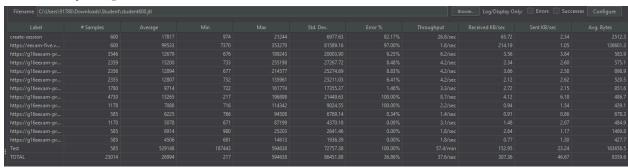
Student - 100 number of threads



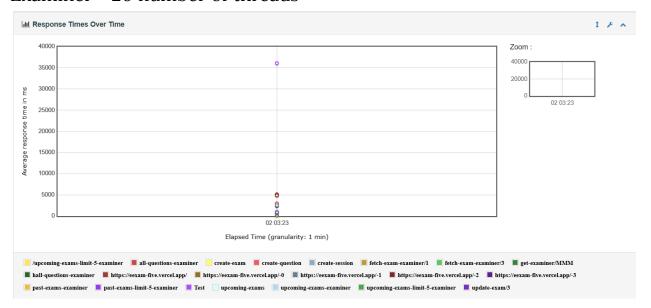


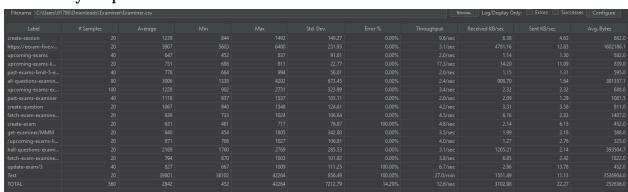
Student - 600 number of threads



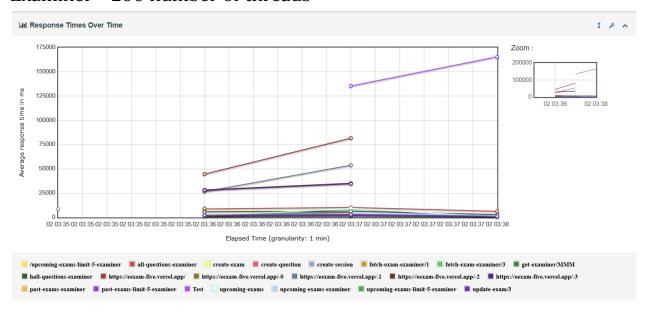


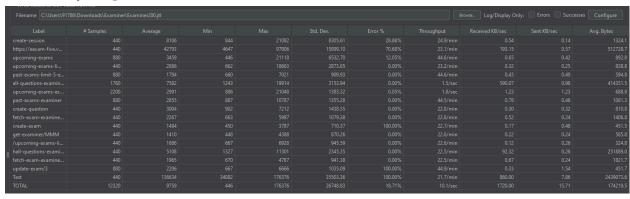
Examiner - 20 number of threads



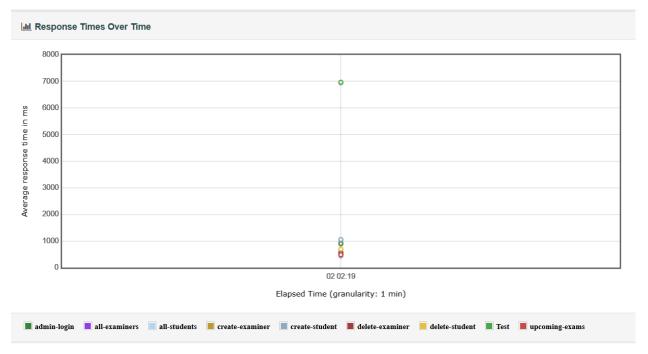


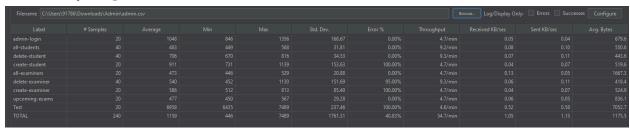
Examiner - 200 number of threads





Admin - 10 number of threads





Admin - 50 number of threads

