IT-314 Software Engineering



Group: 27 College Programming Club

IDs	Name
202001241	RIKI ANILBHAI PARIKH
202001256	TUSHAR DHAR
202001265	SANGANI KISHAN PARESHKUMAR
202001267	BHATT MEET DHAVALBHAI
202001268	MANSARA FENIL LALITBHAI
202001272	ARCHIT SINGH
202001276	OM CHALODIYA
202001426	VADODIA HARSHIT JAGDISHBHAI
202001433	MODIYA DEEP ASHOKBHAI
202001445	PATEL KRUNAL MAHESHBHAI

Performance Testing

Performance testing is a type of non-functional testing that evaluates a system's ability to handle different workloads and measures its responsiveness and stability.

- It helps determine the system's quality attributes, including scalability, reliability, and resource usage.
- It refers to testing a program or software under some specific workload and monitoring how it responds.
- It checks if the application performs as expected under that load, or if it does something unexpected.
- The goal behind performance testing is to identify and eliminate any performance bottlenecks in the software application.

Attributes of Performance Testing:

- Speed
- Scalability
- Stability
- reliability

Load testing:

Load testing is the simplest type of performance testing that determines a system's performance according to real-life scenarios. The performance is checked as per the response time and consistency on different user loads.

- It confirms if the present infrastructure is capable to run the application.
- It checks how much load a system can handle.
- It helps to identify the maximum operating capacity of any application.
- It identifies the number of users that can work on an application concurrently.

Load testing using JMeter:

- The Apache JMeter is open-source software that is purely java based framework.
- The software is used to test load testing functional behavior and measuring performance.
- JMeter helps to test both static and dynamic resources, helps to discover concurrent users on the website, and provides a variety of graphical analyses for performance testing.

1) Welcome page: https://programming-club-daiict.up.railway.app/

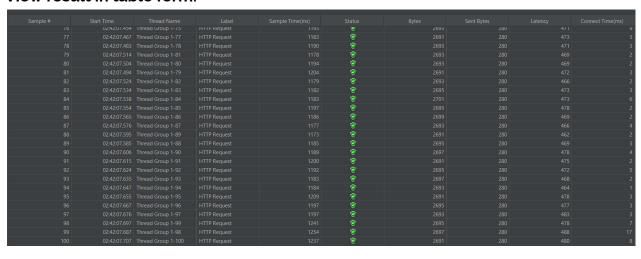


Thread property:



View result in tree:





2) Registration: https://programming-club-daiict.up.railway.app/users/register

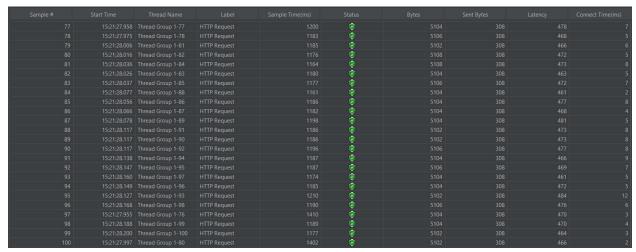


Thread property:



View result in tree:





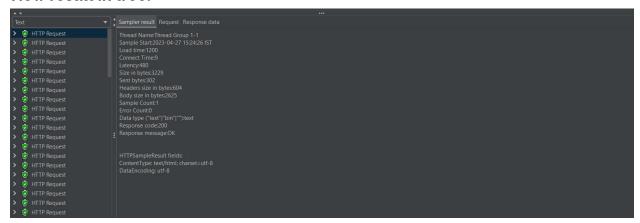
3) User login: https://programming-club-daiict.up.railway.app/users/login

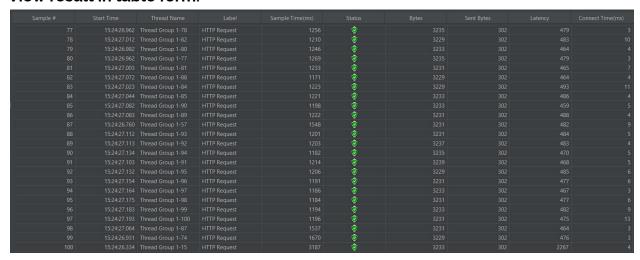


Thread property:



View result in tree:





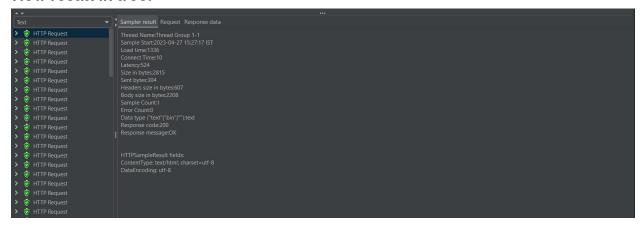
4) Forgot password: https://programming-club-daiict.up.railway.app/users/forgot

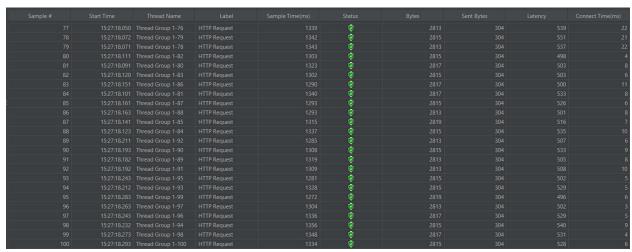


Thread property:



View result in tree:





5) Dashboard: https://programming-club-daiict.up.railway.app/dashboard



Thread property:



View result in tree:





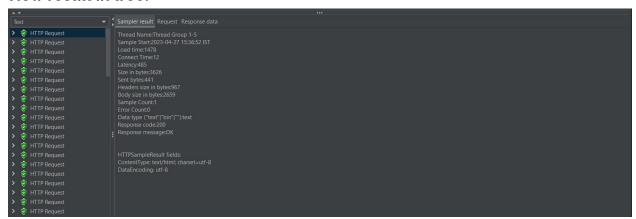
6) Event: https://programming-club-daiict.up.railway.app/event

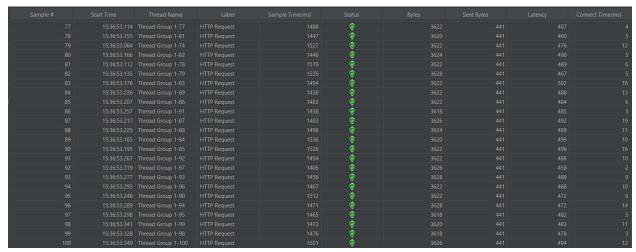


Thread property:



View result in tree:





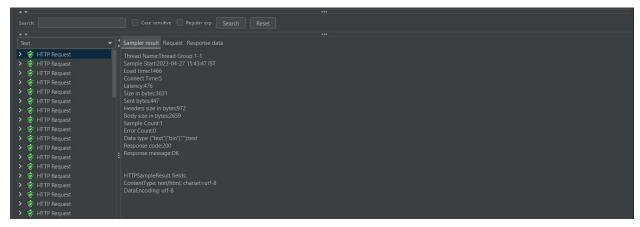
7) Resource: https://programming-club-daiict.up.railway.app/resource

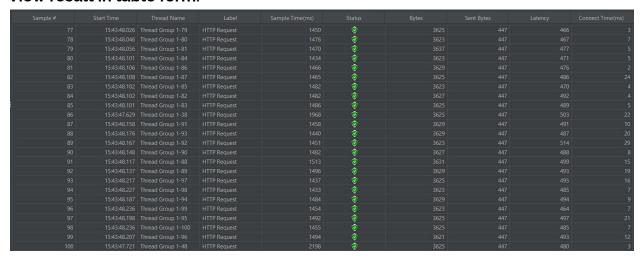


Thread property:



View result in tree:





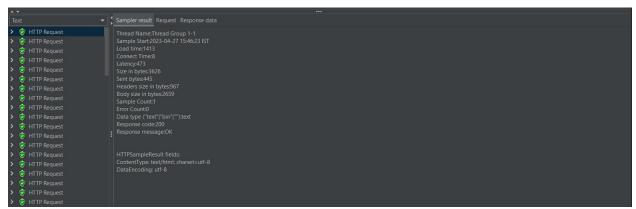
8) Profile: https://programming-club-daiict.up.railway.app/profile

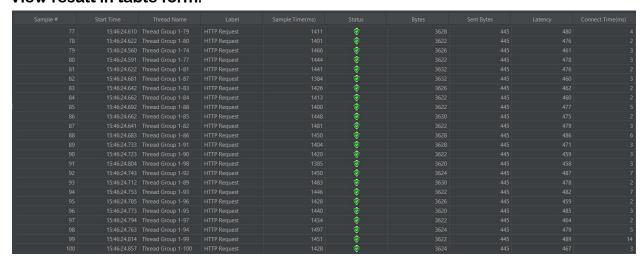


Thread property:



View result in tree:





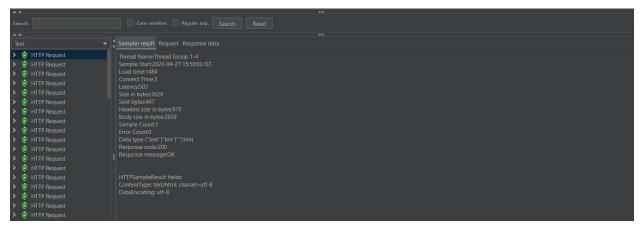
9) Feedback: https://programming-club-daiict.up.railway.app/feedback

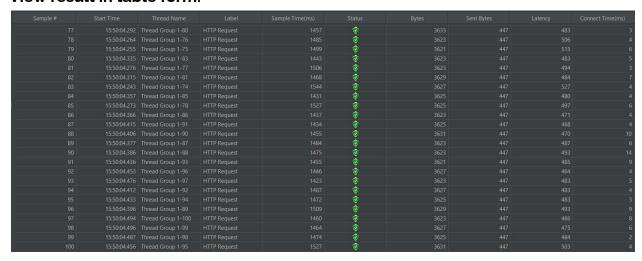


Thread property:



View result in tree:





10) Edit event:

https://programming-club-daiict.up.railway.app/admin/edit_event/644a0c278582ab8cof8336d6



Thread property:



View result in tree:

