TEST REPORT - LuxeChain

Project: LuxeChain

Module / Feature Tested: All Modules

Overview

This report provides a summary of the functional and basic performance testing carried out for the LuxeChain application. All major user flows including onboarding, authentication, lighter scanning, image processing, NFT minting, marketplace actions, and profile features were reviewed end-to-end. The application remained stable throughout the test cycle, and no critical issues were identified.

Test Scope

Testing covered the complete set of functional modules within the application. This included:

- User signup and login
- Camera scan and upload-based lighter authentication
- Image cropping, zoom, and analysis
- NFT certificate creation and minting
- Shop listings, filters, wishlist, cart, and purchase flow
- Profile updates and transaction history
- Ownership transfer and wallet-related validations

Test Approach

Testing was performed manually using predefined test cases and scenario-based reviews. The objective was to validate functional correctness, UI behavior, field-level validations, navigation flow, and consistency across modules.

Basic performance testing was included to confirm that the application remains responsive and performs reliably under normal usage conditions.

Test Environment

- **Devices:** Android and iOS smartphones
- **Browsers:** Chrome (latest), Edge(latest)
- **Network:** Wi-Fi and mobile data
- **Environment:** LuxeChain Application

Test Execution Summary

- **Total Test Cases Executed:** 67
- **Passed:** 67
- **Failed:** 0
- **Not Applicable / Blocked:** 0

All planned test cases passed successfully, and the application behaved as expected across all tested flows.

Performance Testing Report

Test and Report information

Source file	"results.jtl"
Start Time	"12/17/25, 2:01 PM"
End Time	"12/17/25, 2:02 PM"
Filter for display	""

APDEX (Application Performance Index) (https://en.wikipedia.org/wiki/Apdex)

Apdex	T (Toleration threshold)	F (Frustration threshold)	Label
0.827	**500 ms**	**1 sec 500 ms**	**Total**
0.692	500 ms	1 sec 500 ms	GET Listing API
0.961	500 ms	1 sec 500 ms	GET Transaction Lighter API

Requests Summary

Statistics

Requests	Executions			Response Times (ms)							Throughp
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transaction
Total	**8000**	**0**	**0.00%**	**447.92**	**172**	**2086**	**380.00**	**761.00**	**826.00**	**974.00**	**124.65**
GET Listing API	4000	0	0.00%	563.53	181	2086	617.00	824.00	886.00	1019.99	63.19

Requests	Executions			Response Times (ms)							Throughp
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transaction
GET Transaction Lighter API	4000	0	0.00%	332.31	172	1051	316.00	476.00	557.95	759.87	62.50

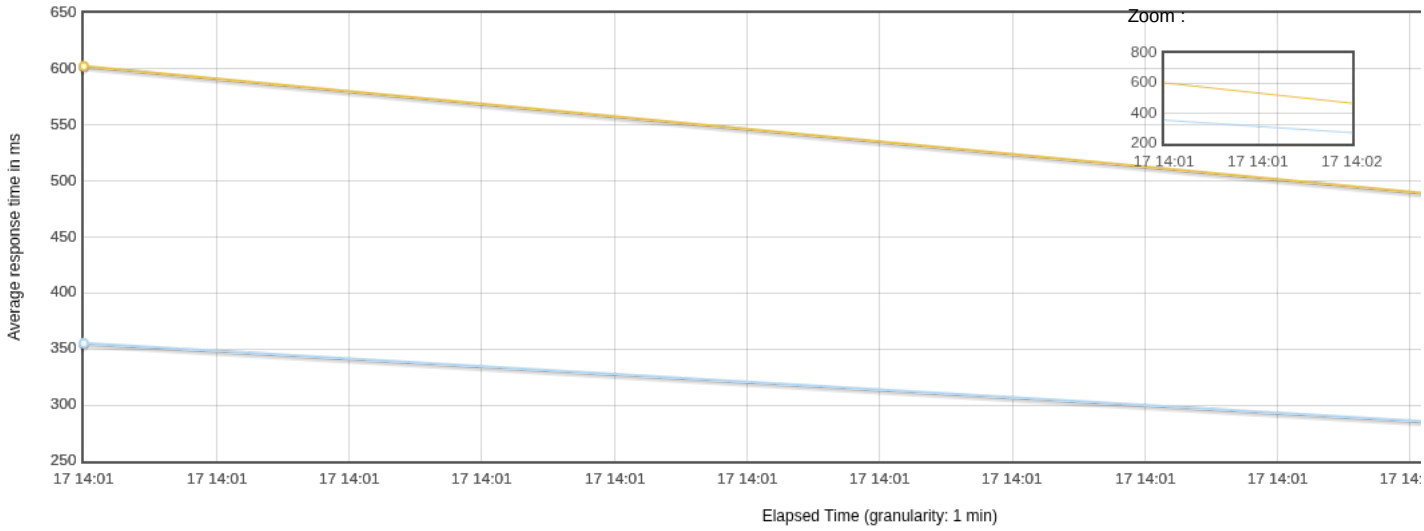
Errors

Type of error	Number of errors	% in errors	% in all samples

Top 5 Errors by sampler

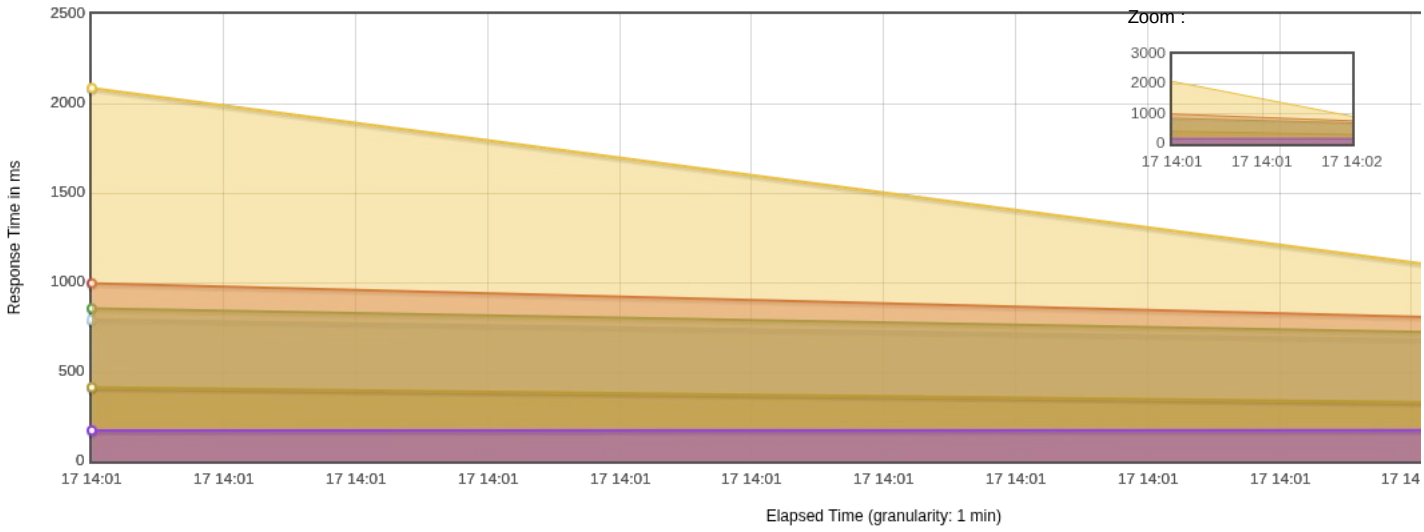
Sample	#Samples	#Errors	Error	#Errors	Error	#Errors	Error	#Errors	Error	#Errors	Err
Total	**8000**	**0**									

Response Times Over Time



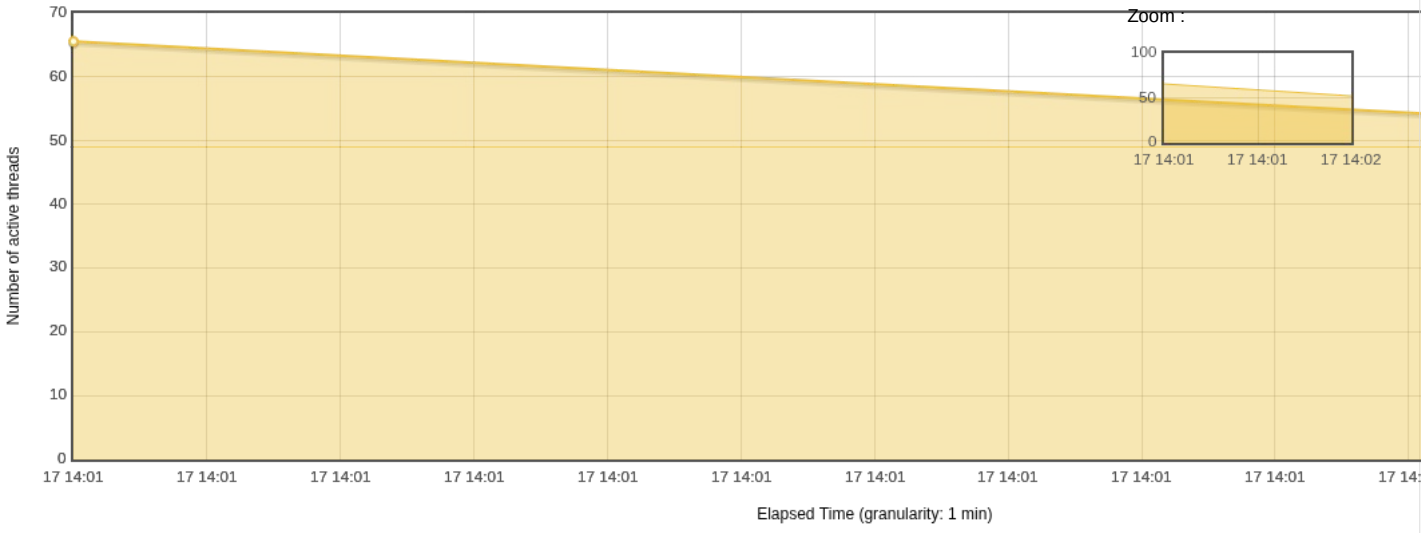
GET Listing API GET Transaction Lighter API

Response Time Percentiles Over Time (successful responses)

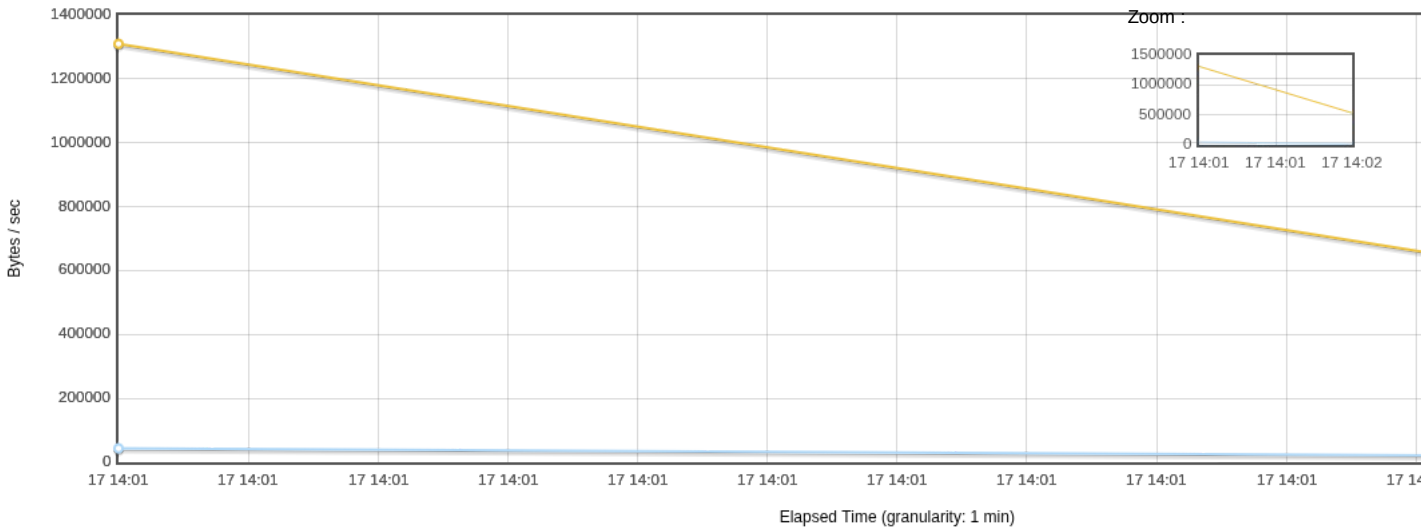


90th percentile 95th percentile 99th percentile Max Median Min

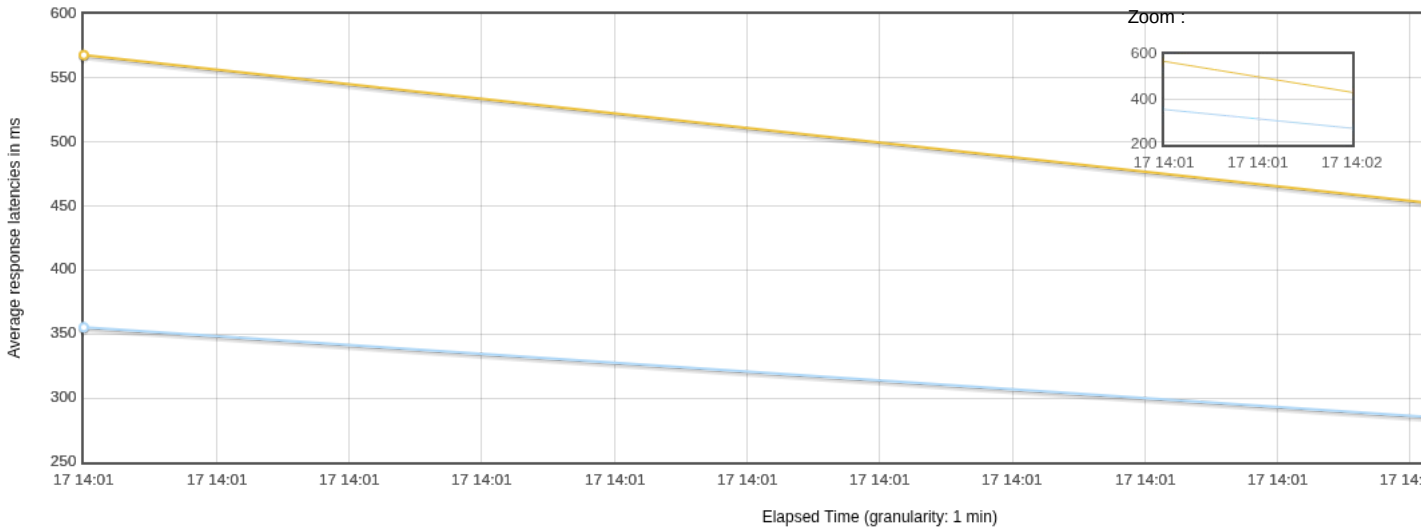
Active Threads Over Time



Bytes Throughput Over Time

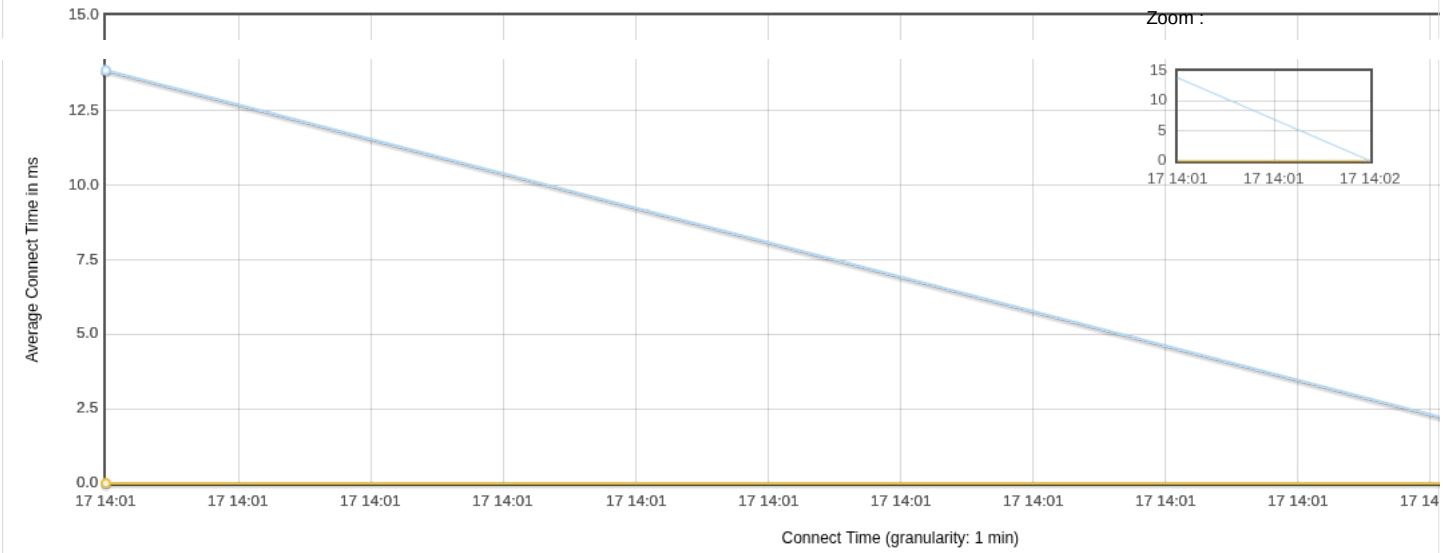


Latencies Over Time



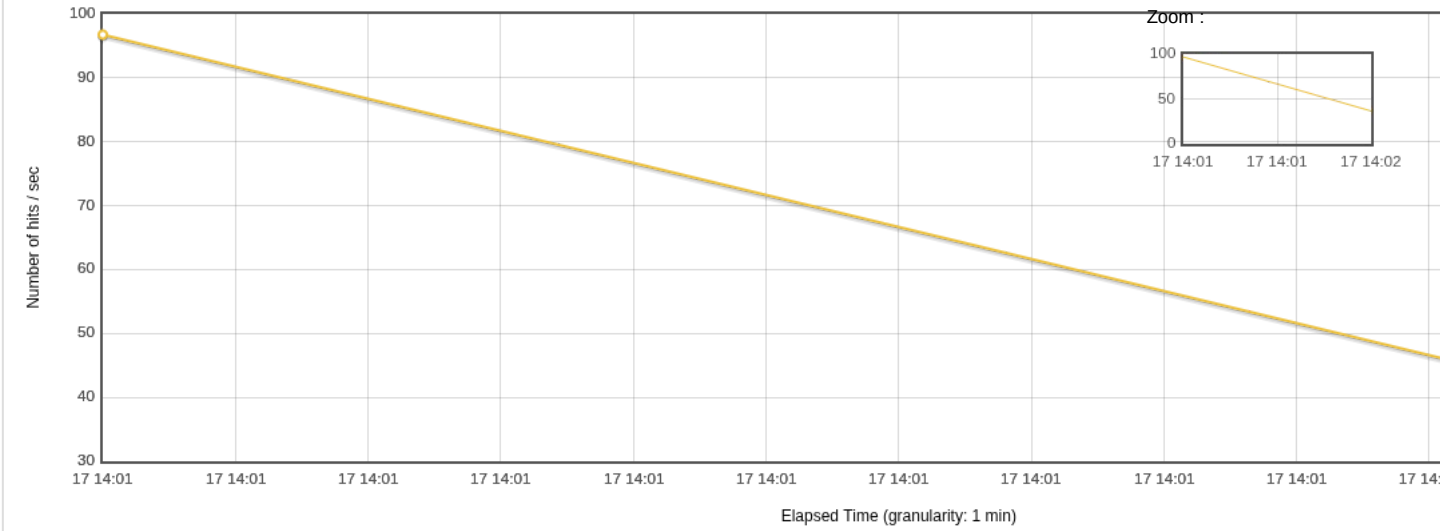
GET Listing API GET Transaction Lighter API

Connect Time Over Time



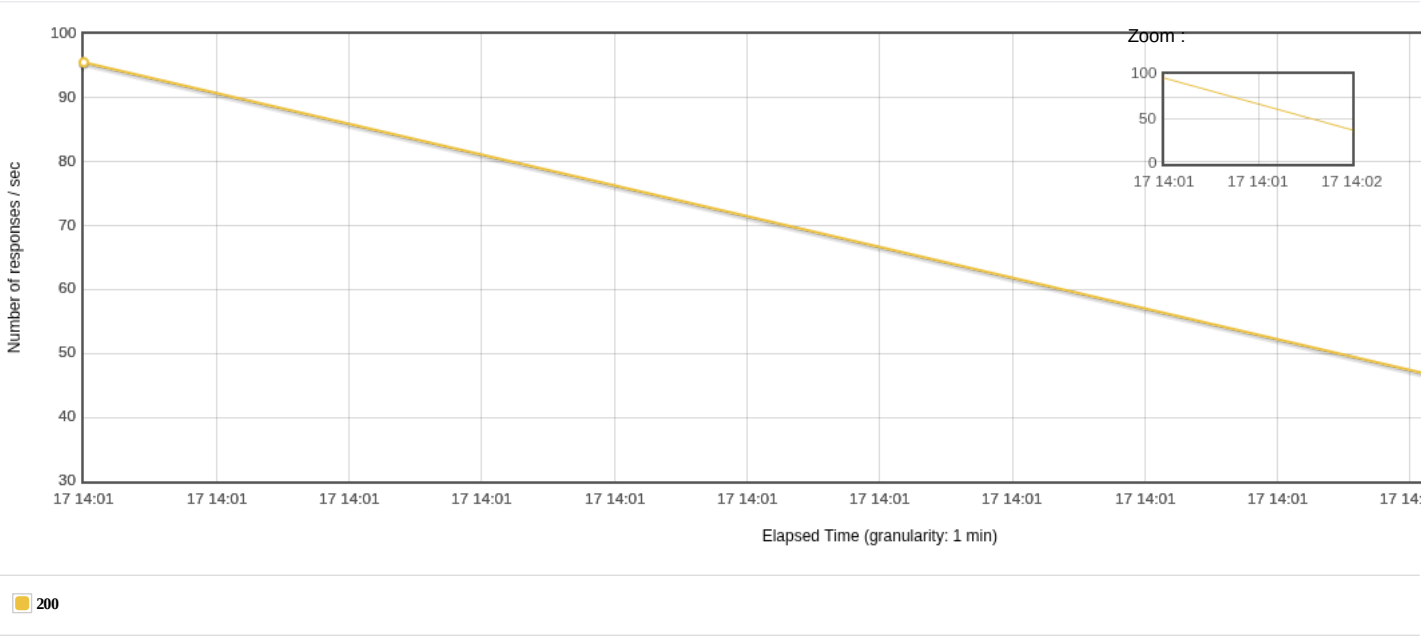
GET Listing API GET Transaction Lighter API

Hits Per Second

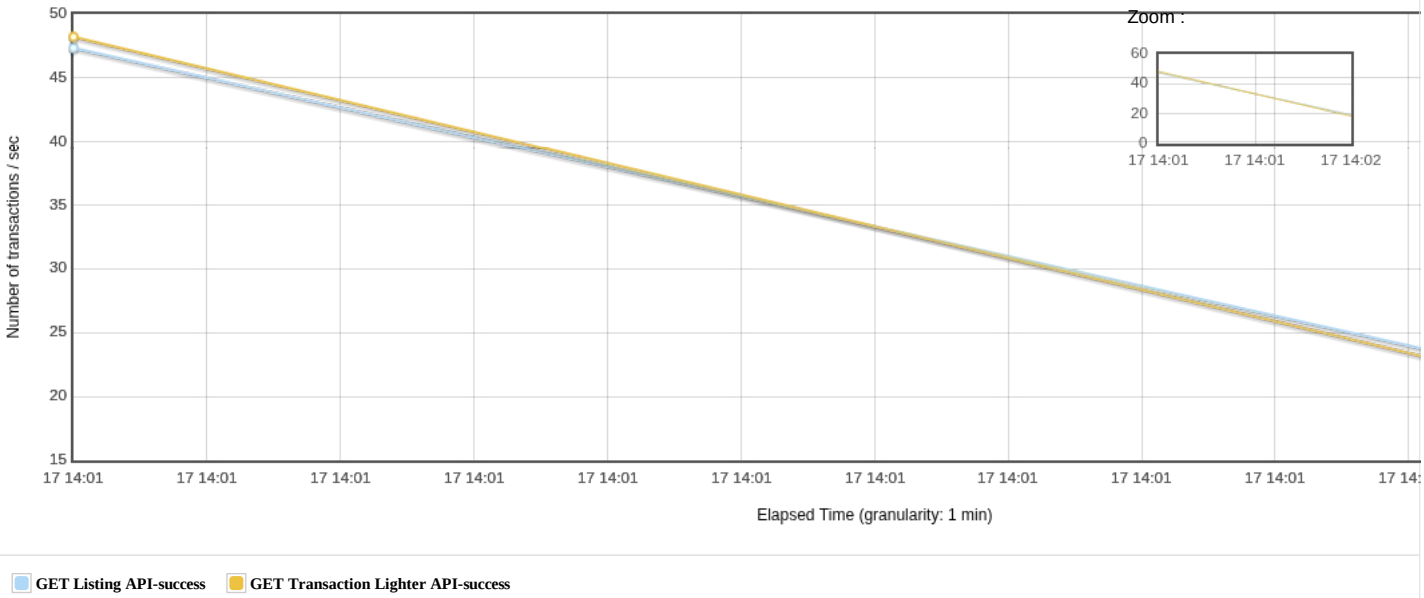


hitsPerSecond

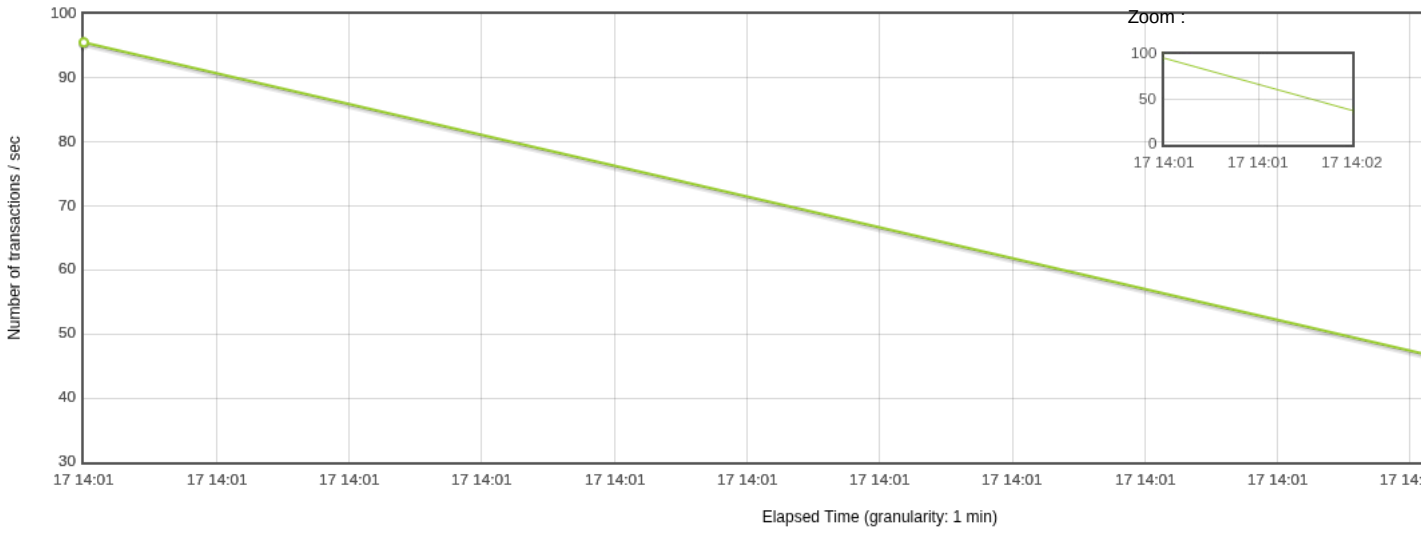
Codes Per Second



Transactions Per Second

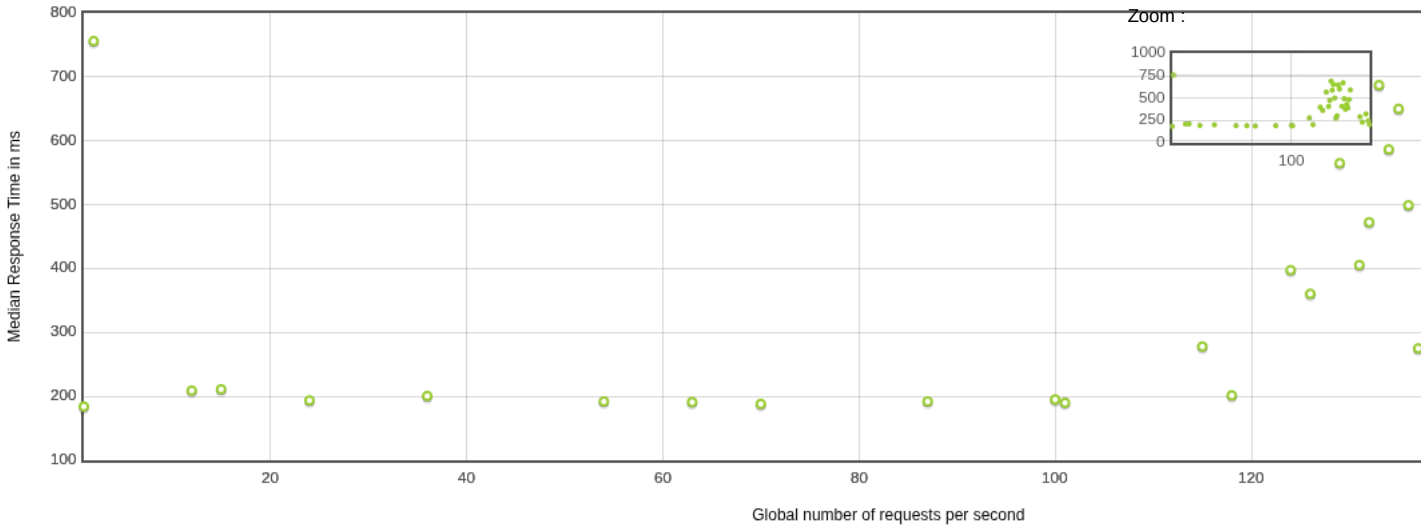


Total Transactions Per Second



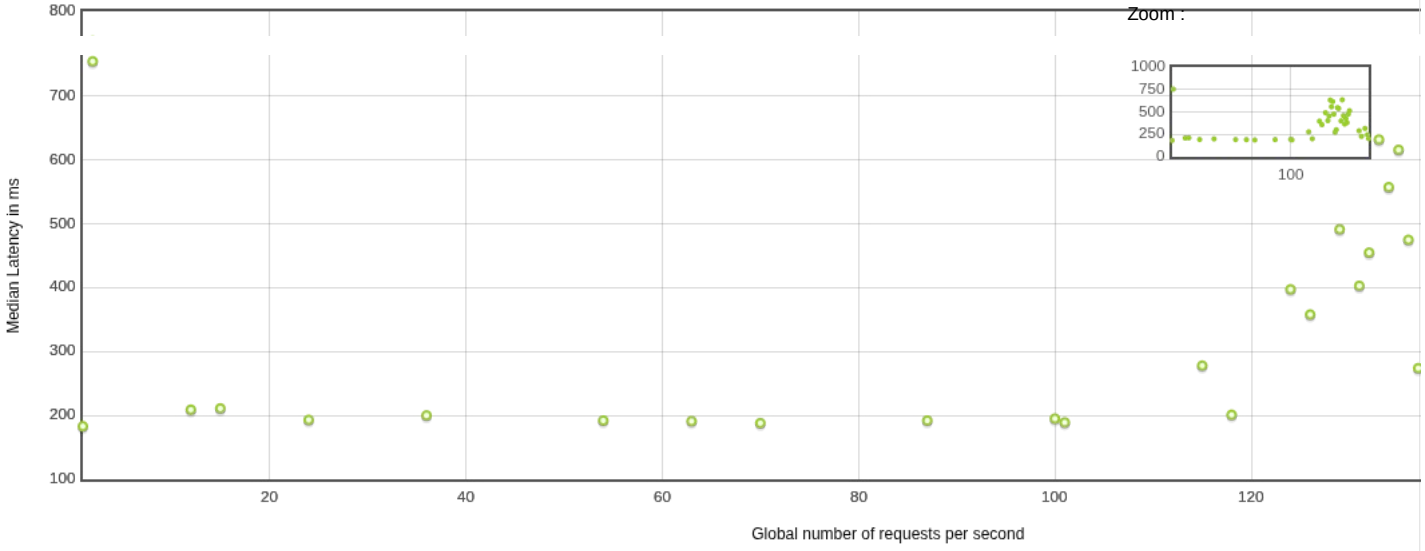
Transaction-failure Transaction-success

Response Time Vs Request



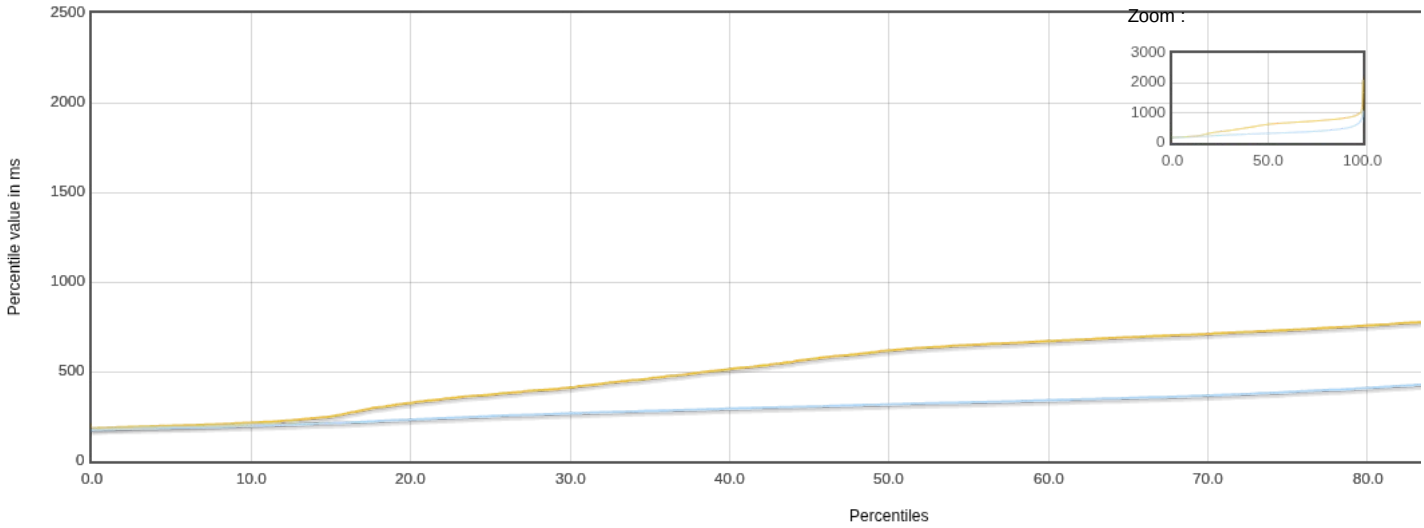
Successes

Latency Vs Request



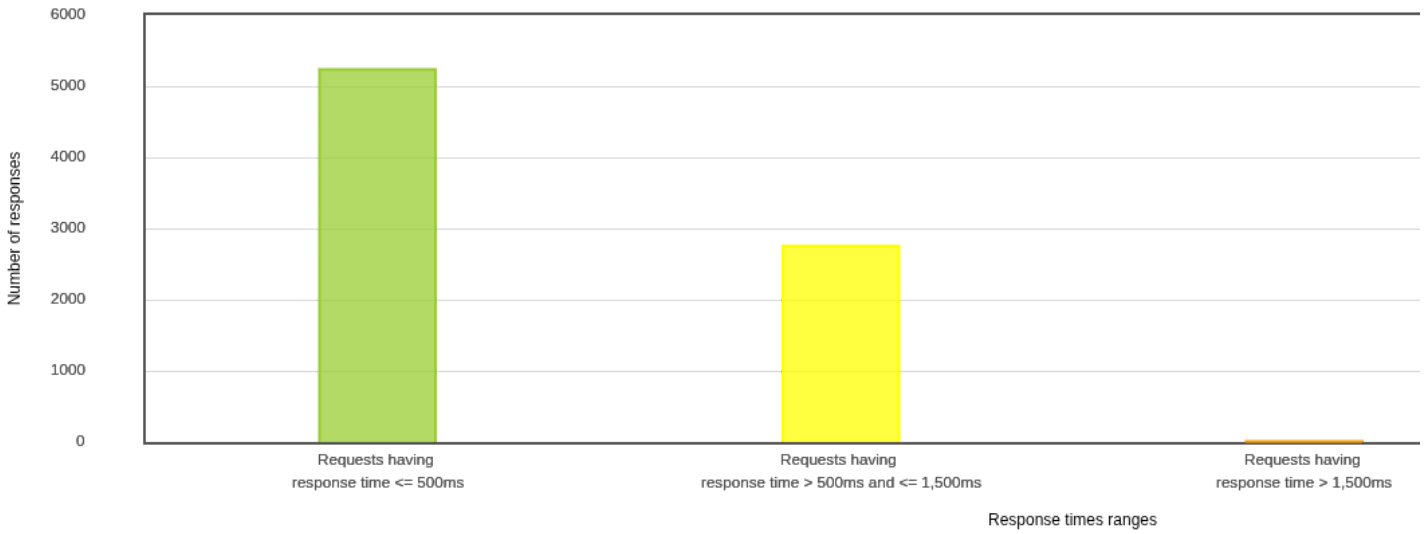
Successes

Response Time Percentiles



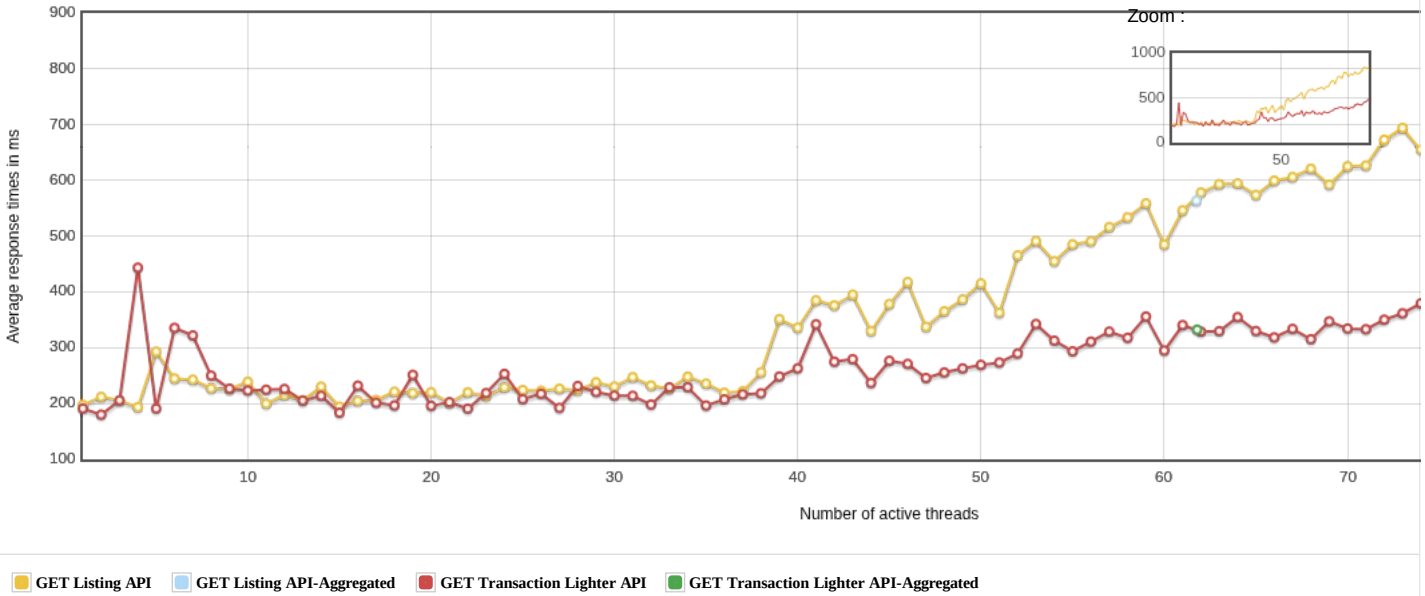
GET Listing API GET Transaction Lighter API

Response Time Overview



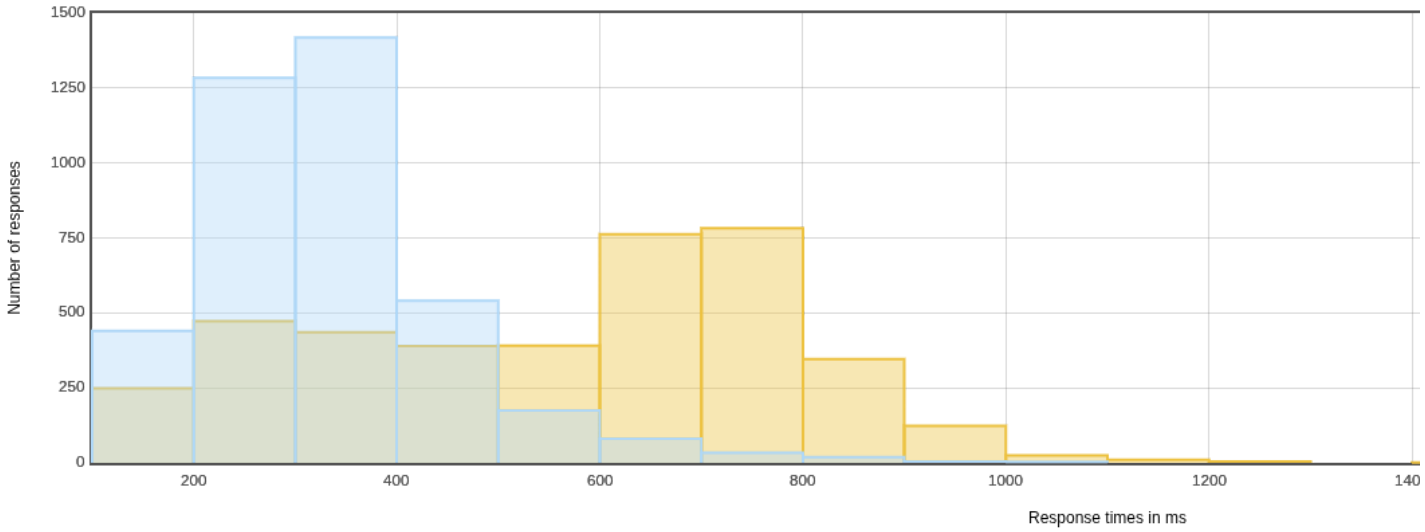
Requests having response time <= 500ms Requests having response time > 1,500ms Requests having response time > 500ms and <= 1,500ms Requests in error

□Time Vs Threads



GET Listing API | GET Listing API-Aggregated | GET Transaction Lighter API | GET Transaction Lighter API-Aggregated

□ Response Time Distribution



GET Listing API | GET Transaction Lighter API

Conclusion

Based on the functional and performance testing conducted, the application appears to be stable and reliable across all validated modules. All 67 test cases passed, and no functional or blocking issues were observed.