

Performance Test Report - May 13, 2025 (#1)

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Postman collection: ILM-Verse

Report exported on: May 13, 2025, 23:05:31 (GMT+3)

Test setup

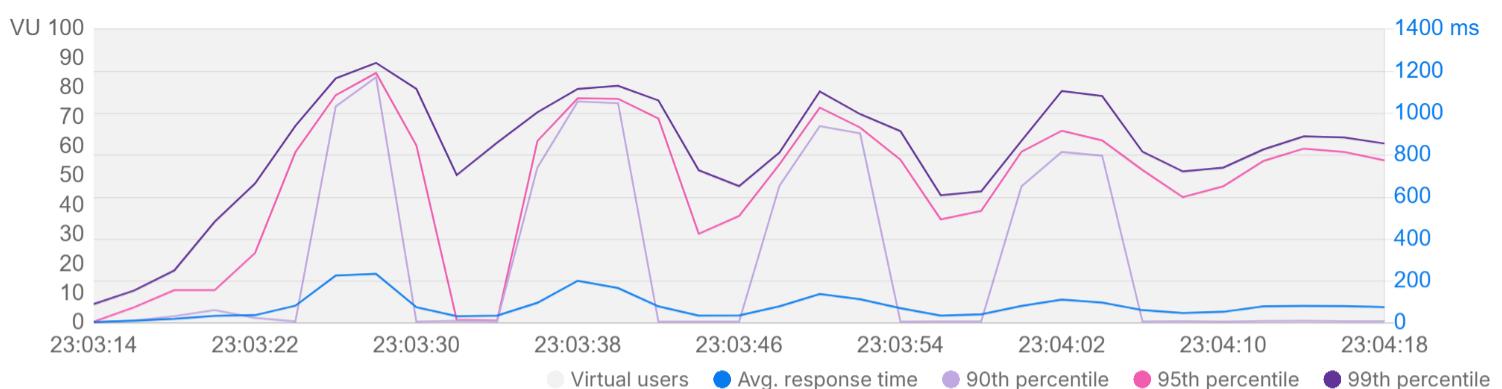
Virtual users	Start time	Load profile
100 VU	May 13, 23:03:12 (GMT+3)	Fixed
Duration	End time	Environment
1 minute	May 13, 23:04:18 (GMT+3)	-

1. Summary

Total requests sent 48,274	Throughput 722.45 requests/second	Average response time 70 ms	Error rate 92.78 %
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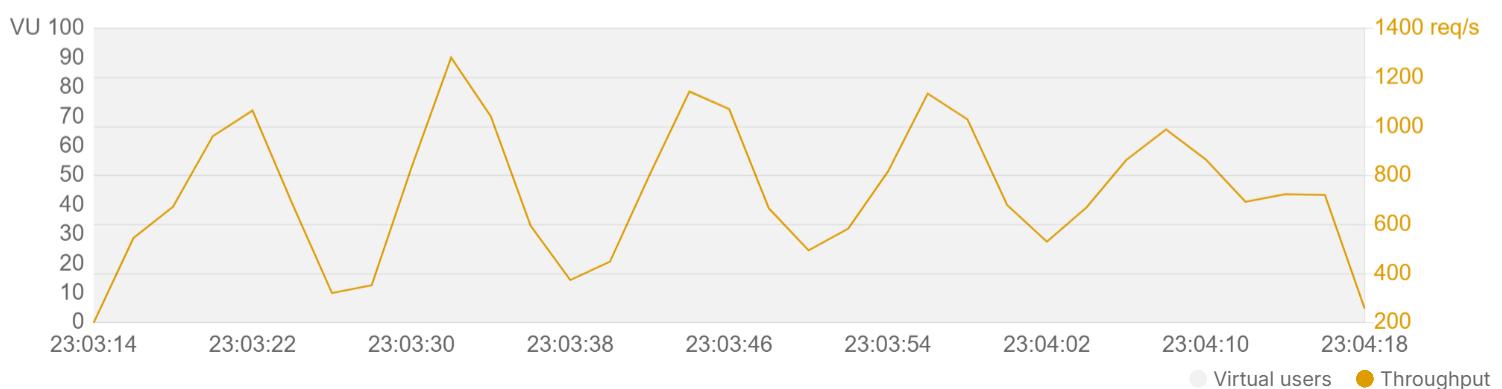
1.1 Response time

Response time trends during the test duration.



1.2 Throughput

Rate of requests sent per second during the test duration.



1.3 Requests with slowest response times

Top 5 slowest requests based on their average response times.

Request	Resp. time (Avg ms)	90th (ms)	95th (ms)	99th (ms)	Min (ms)	Max (ms)
GET getAllEvents localhost:8001/shared/events/getEvents	850	1,137	1,184	1,243	150	1,287
POST Parent Login localhost:8001/shared/login/parentLogin	782	1,059	1,090	1,171	74	1,241
GET Check auth localhost:8001/shared/check	781	1,066	1,104	1,188	72	1,213
POST Logout localhost:8001/shared/logout	773	1,063	1,149	1,199	72	1,215
POST Student Login localhost:8001/student/studentLogin	759	1,063	1,100	1,176	72	1,214

1.4 Requests with most errors

Top 5 requests with the most errors, along with the most frequently occurring errors for each request.

Request	Total error count	Error 1	Error 2	Other errors
GET getStudents localhost:8001/admin/getStudents	626	403 Forbidden (626)	-	0
GET getParents localhost:8001/admin/getParents	626	403 Forbidden (626)	-	0
GET getAllGrades localhost:8001/admin/addition/course/grades	626	403 Forbidden (626)	-	0
GET getSections localhost:8001/admin/addition/course/grades/Grade-001	626	403 Forbidden (626)	-	0
GET getTeachersBySection localhost:8001/admin/addition/course/grades/Grade-001/Section-001	625	403 Forbidden (625)	-	0

2. Metrics for each request

The requests are shown in the order they were sent by virtual users.

Request	Total requests	Requests/s	Min (ms)	Avg (ms)	90th (ms)	Max (ms)	Error %
GET getStudents localhost:8001/admin/getStudents	626	9.37	1	11	10	820	100
GET getParents localhost:8001/admin/getParents	626	9.37	1	5	9	104	100
GET getAllGrades localhost:8001/admin/addition/course/grades	626	9.37	1	6	8	231	100
GET getSections localhost:8001/admin/addition/course/grades/Grade-001	626	9.37	1	5	9	73	100

GET getTeachersBySection	625	9.35	1	5	8	41	100
localhost:8001/admin/addition/course/grades/Grade-001/Section-001							
POST addCourse	625	9.35	1	5	9	118	100
localhost:8001/admin/addition/course							
GET getAllGrades Copy	625	9.35	1	5	9	112	100
localhost:8001/admin/addition/course/grades							
GET getSections Copy	624	9.34	1	5	9	38	100
localhost:8001/admin/addition/course/grades/Grade-001							
POST addAdmin	624	9.34	1	6	9	120	100
localhost:8001/admin/addition/admin							
POST addTeacher	623	9.32	1	6	10	217	100
localhost:8001/admin/addition/teacher							
POST addParent	623	9.32	1	6	9	208	100
localhost:8001/admin/addition/parent							
POST addStudent	623	9.32	1	5	9	77	100
localhost:8001/admin/addition/student							
GET getStudents	623	9.32	1	5	9	75	100
localhost:8001/admin/getStudents							
GET getParents	623	9.32	1	5	9	45	100
localhost:8001/admin/getParents							
GET getTeachers	623	9.32	1	5	9	75	100
localhost:8001/admin/getTeachers							
GET getAdmins	623	9.32	1	5	9	114	100
localhost:8001/admin/getAdmins							
DELETE deleteStudent	623	9.32	1	6	9	218	100
localhost:8001/admin/delete/student/STU-023							
DELETE deleteParent	622	9.31	1	5	10	41	100
localhost:8001/admin/delete/parent/Parent-ID							

DELETE deleteTeacher		622	9.31	1	6	9	122	100
localhost:8001/admin/delete/teacher/TCH-001								
DELETE deleteAdmin		621	9.29	1	6	9	222	100
localhost:8001/admin/delete/admin/ADM-005								
PATCH updatePassword		621	9.29	1	5	10	68	100
localhost:8001/admin/update/password								
PATCH changeTeacher		620	9.28	1	5	10	77	100
localhost:8001/admin/course/changeteacher								
GET get teachers by course		619	9.26	1	6	11	65	100
localhost:8001/admin/course/getteachersbycourse/CRS-001								
GET getLecture		618	9.25	1	5	9	101	100
localhost:8001/admin/course/CRS-001/681711de95f69bf54b717a03/68171ec8ad6930283b0917a1								
POST addUnitContent		618	9.25	1	5	10	65	100
localhost:8001/admin/course/681711de95f69bf54b717a03								
DELETE deleteUnitContent		618	9.25	1	5	10	65	100
localhost:8001/admin/course/CRS-001/								
POST addUnnit		618	9.25	1	5	9	51	100
localhost:8001/admin/course/addunit								
GET getCourseUnits		617	9.23	1	5	9	71	100
localhost:8001/admin/course/CRS-001								
GET getUnitContent		617	9.23	1	5	9	63	100
localhost:8001/admin/course/media/CRS-001/681754ab81b939522ae9c8e0								
DELETE deleteUnit		617	9.23	1	5	10	79	100
localhost:8001/admin/course/CRS-001/681711de95f69bf54b717a03								
POST addMark		616	9.22	1	6	10	65	100
localhost:8001/admin/course/CRS-001/mark								

PATCH updateMark	616	9.22	1	5	10	38	100
localhost:8001/admin/course/CRS-001/mark							
GET getMark	616	9.22	1	5	10	31	100
localhost:8001/admin/course/CRS-001/mark/STU-001/MT-001							
GET getAllCourses	614	9.19	1	5	9	66	100
localhost:8001/admin/course							
POST InvolveStudentsIntoCourse	613	9.17	1	5	8	70	100
localhost:8001/admin/course/involve							
GET getStudentsInCourse	613	9.17	1	5	9	60	100
localhost:8001/admin/course/getstudents/CRS-001							
GET get students in section	613	9.17	1	5	9	62	100
localhost:8001/admin/students/Section-001							
POST add report	613	9.17	1	5	10	74	100
localhost:8001/admin/course/addreport							
GET get all reports	612	9.16	1	5	9	59	100
localhost:8001/admin/course/getreports							
DELETE deleteCourse	612	9.16	1	5	9	28	100
localhost:8001/admin/course/CRS-016							
POST addEvent	612	9.16	1	5	9	58	100
localhost:8001/admin/events							
DELETE deleteEvent	612	9.16	1	5	9	26	100
localhost:8001/admin/events/c17e267c-79e3-41ab-b13b-918d2ef64092							
PATCH changeAdminPassword	612	9.16	1	5	9	156	100
localhost:8001/admin/settings/password							
PATCH changeAdminPassword Copy	612	9.16	1	5	8	29	100
localhost:8001/admin/settings/changename							
POST Admin Login	605	9.05	74	711	1,018	1,187	0
localhost:8001/shared/login/adminLogin							

POST Teacher Login	597	8.93	74	744	1,055	1,237	0
localhost:8001/shared/login/teacherLogin							
POST Student Login	590	8.83	72	759	1,063	1,214	100
localhost:8001/student/studentLogin							
POST Parent Login	580	8.68	74	782	1,059	1,241	0
localhost:8001/shared/login/parentLogin							
GET Check auth	575	8.61	72	781	1,066	1,213	0
localhost:8001/shared/check							
POST Logout	569	8.52	72	773	1,063	1,215	0
localhost:8001/shared/logout							
GET getAllEvents	559	8.37	150	850	1,137	1,287	0
localhost:8001/shared/events/getEvents							
POST updateAbsence	557	8.34	1	4	7	40	100
localhost:8001/admin/absence							
GET getAbsence	555	8.31	1	4	7	25	100
localhost:8001/admin/absence/Section-001/2025-5-8							
GET getAbsenceForAdmin	555	8.31	1	4	7	72	100
localhost:8001/admin/absence/Section-001/2025-6-2							
GET getStudentsIncourse	555	8.31	1	4	8	72	100
localhost:8001/teacher/course/CRS-005/students							
POST add report	553	8.28	1	4	7	30	100
localhost:8001/teacher/course/CRS-005/addnewreport							
GET getCourseUnits	551	8.25	1	4	7	42	100
localhost:8001/teacher/course/CRS-005/units							
GET getCourse	551	8.25	1	4	7	75	100
localhost:8001/teacher/course/CRS-005							
GET getUnitContent	551	8.25	1	4	7	61	100
localhost:8001/teacher/course/media/681e10947ede7e89 40c9c5b9							

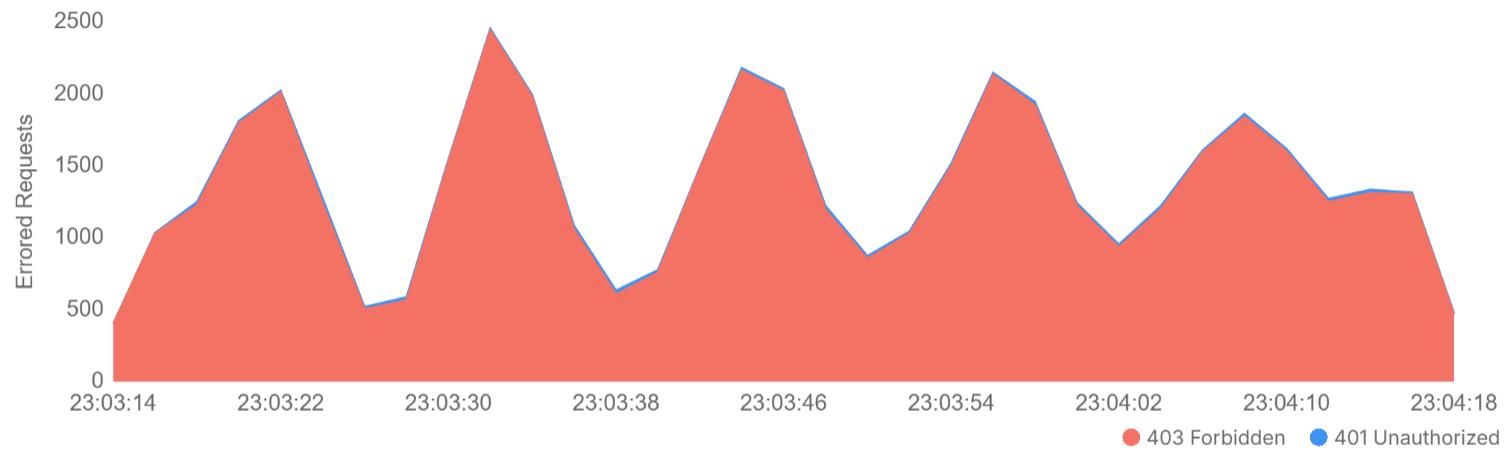
POST addUnitContent	Copy	551	8.25	1	5	8	60	100
localhost:8001/teacher/course/681711de95f69bf54b717a03								
DELETE deleteContent		551	8.25	1	4	7	32	100
localhost:8001/teacher/course/media/681e10947ede7e8940c9c5b9/682072d72dd19f4065f15db5								
POST addAssigment		551	8.25	1	5	7	29	100
localhost:8001/teacher/course/CRS-005/addassigment								
GET getassignments		551	8.25	1	4	7	76	100
localhost:8001/teacher/course/CRS-001/assigments								
GET getSubmisions		550	8.23	1	4	8	37	100
localhost:8001/teacher/course/CRS-001/assigments/681db4693ec233ad39784494								
PATCH updateSubmmision		550	8.23	1	5	7	72	100
localhost:8001/teacher/course/CRS-001/assigments/681db4693ec233ad39784494								
POST addQuiz		548	8.20	1	5	8	152	100
localhost:8001/teacher/course/CRS-001/quiz								
DELETE deleteQuiz		547	8.19	1	5	8	33	100
localhost:8001/teacher/course/deletequiz/6820f1bb04fe3e412c53808b								
GET get teacher courses		547	8.19	1	4	7	65	100
localhost:8001/teacher/courses								
GET getAllAssignmentsForCourseForStudent		546	8.17	1	5	8	69	100
localhost:8001/student/course/CRS-005/assignments/getassignments								
POST submit assigment		546	8.17	1	5	8	39	100
localhost:8001/student/course/CRS-005/assigments/6822f99c30e76579bea2b5a5								
GET New Request		544	8.14	1	5	8	70	100
localhost:8001/student/course/CRS-001/quizes								

GET getCoursesForStudents	544	8.14	1	5	8	72	100
localhost:8001/student/courses							
GET getCourseUnits	544	8.14	1	5	8	45	100
localhost:8001/student/course/CRS-005							
GET getUnitContent	544	8.14	1	5	8	73	100
localhost:8001/student/course/CRS-005/681e10947ede7e8940c9c5b9							
GET getStudentMarks	542	8.11	1	4	8	59	100
localhost:8001/student/grades							
GET getStudentsForParent	541	8.10	1	5	8	29	100
localhost:8001/parent/students							
GET getStudentMarks	541	8.10	1	5	8	28	100
localhost:8001/parent/marks/STU-001							
GET getAbsence	540	8.08	1	5	8	38	100
localhost:8001/parent/absence/STU-034/Section-005							
GET getStudentReports	538	8.05	1	4	8	27	100
localhost:8001/parent/reports/STU-001							
GET getCoursesForStudent	537	8.04	1	4	8	29	100
localhost:8001/parent/courses/STU-001							
GET getCourseUnits	537	8.04	1	5	8	36	100
localhost:8001/parent/course/CRS-005							
GET getUnitContent	536	8.02	1	5	8	78	100
localhost:8001/parent/course/CRS-005/681e10947ede7e8940c9c5b9							

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.



3.2 Error distribution for requests

Errored requests grouped by error class, along with the error count for each class.

Error class	Total counts
403 Forbidden	44199
<code>GET</code> getStudents	626
<code>GET</code> getParents	626
<code>GET</code> getAllGrades	626
<code>GET</code> getSections	626
<code>GET</code>	625
getTeachersBySection	
<code>POST</code> addCourse	625
<code>GET</code> getAllGrades	625
Copy	
<code>GET</code> getSections	624
Copy	
<code>POST</code> addAdmin	624
<code>POST</code> addTeacher	623
<code>POST</code> addParent	623
<code>POST</code> addStudent	623
<code>GET</code> getStudents	623
<code>GET</code> getParents	623
<code>GET</code> getTeachers	623
<code>GET</code> getAdmins	623

GET getAdmins	---
DELETE deleteStudent	623
DELETE deleteParent	622
DELETE	622
deleteTeacher	
DELETE deleteAdmin	621
PATCH	621
updatePassword	
PATCH changeTeacher	620
GET get teachers by course	619
GET getLecture	618
POST addUnitContent	618
DELETE	618
deleteUnitContent	
POST addUnnit	618
GET getCourseUnits	617
GET getUnitContent	617
DELETE deleteUnit	617
POST addMark	616
PATCH updateMark	616
GET getMark	616
GET getAllCourses	614
POST	613
InvolveStudentsIntoCourse	
GET	613
getStudentsInCourse	
GET get students in section	613
POST add report	613
GET get all reports	612
DELETE deleteCourse	612
POST addEvent	612
DELETE deleteEvent	612
PATCH	612
changeAdminPassword	

PATCH	612
changeAdminPasswo	
rd Copy	
POST updateAbsence	557
GET getAbsence	555
GET	555
getAbsenceForAdmin	
GET	555
getStudentsIncourse	
POST add report	553
GET getCourseUnits	551
GET getCourse	551
GET getUnitContent	551
POST addUnitContent	551
Copy	
DELETE deleteContent	551
POST addAssigment	551
GET getassigments	551
GET getSubmisions	550
PATCH	550
updateSubmmision	
POST addQuiz	548
DELETE deleteQuiz	547
GET get teacher	547
courses	
GET	546
getAllAssignmentsFor	
CourseForStudent	
POST submit	546
assigment	
GET New Request	544
GET	544
getCoursesForStude	
nts	
GET getCourseUnits	544
GET getUnitContent	544
GET getStudentMarks	542
GET	541
getStudentsForParent	

GET getStudentMarks	541
GET getAbsence	540
GET getStudentReports	538
GET	537
getCoursesForStude nt	
GET getCourseUnits	537
GET getUnitContent	536
<hr/>	
401 Unauthorized	590
<hr/>	
POST Student Login	590



Testing API performance on Postman

Postman enables you to simulate user traffic and observe how your API behaves under load. It also helps you identify any issues or bottlenecks that affect performance.

Learn more about [testing API performance](#).