

CC LAB 2

| | | |
|---------------|--------------------|----------------------|
| NAME :DIVYA G | SRN :PES2UG23AM033 | SECTION:6 'A' (AIML) |
| | | DATE:29/01/2026 |

Ss1

The screenshot shows the 'Events' section of the CC Fest Monolith application. It displays nine event listings with registration buttons:

- Event ID: 1 - Hackathon (₹ 500), includes certificate, instant registration, limited seats. Register button.
- Event ID: 2 - Dance (₹ 300), includes certificate, instant registration, limited seats. Register button.
- Event ID: 3 - Hackathon (₹ 500), includes certificate, instant registration, limited seats. Register button.
- Event ID: 4 - Dance Battle (₹ 300), includes certificate, instant registration, limited seats. Register button.
- Event ID: 5 - AI Workshop (₹ 400), includes certificate, instant registration, limited seats. Register button.
- Event ID: 6 - Photography Walk (₹ 200), includes certificate, instant registration, limited seats. Register button.
- Event ID: 7 - Gaming Tournament (₹ 350). Register button.
- Event ID: 8 - Music Night (₹ 250). Register button.
- Event ID: 9 - Treasure Hunt (₹ 150). Register button.

Ss2

The screenshot shows a 'Monolith Failure' error page. It includes the following information:

- Error Message:** division by zero
- Why did this happen?** Because this is a **monolithic application**; all modules share the same runtime and deployment. When one feature crashes, it affects the whole system.
- What should you do in the lab?**
 - Take a screenshot (crash demonstration)
 - Fix the bug in the indicated module
 - Restart the server and verify recovery

At the bottom, there are 'Back to Events' and 'Login' buttons. The status bar at the bottom right shows: ENG IN, 29-01-2026.

CC LAB 2

Ss3

Checkout
This route is used to demonstrate a monolith crash + optimization.

Total Payable
₹ 9500

After fixing + optimizing checkout logic, re-run Locust and compare results.

What you should observe

- One buggy feature can crash the entire monolith.
- Inefficient loops cause high response times under load.
- Optimization improves performance but architecture still scales as one unit.

Next Lab: Split this monolith into Microservices (Events / Registration / Checkout).

Ss4

localhost:8089

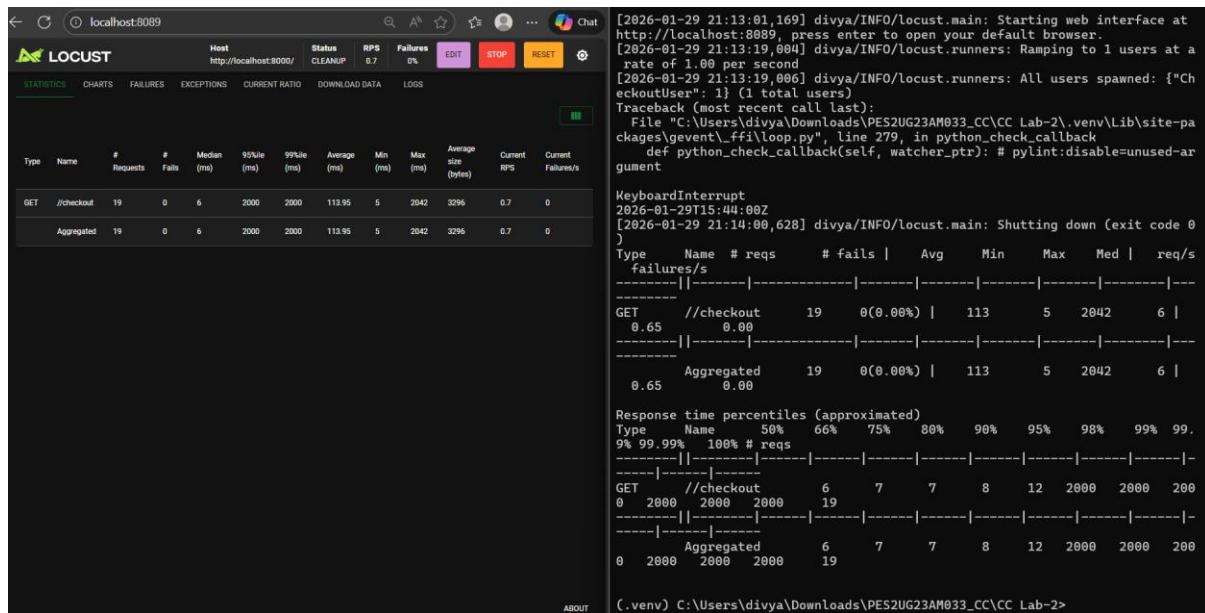
LOCUST Host http://localhost:8000/ Status RPS Failures EDIT STOP RESET

| Type | Name | # Requests | # Fails | Median (ms) | 95%ile (ms) | Average (ms) | Min (ms) | Max (ms) | Average size (bytes) | Current RPS | |
|------|------------|------------|---------|-------------|-------------|--------------|----------|----------|----------------------|-------------|-----|
| GET | //checkout | 19 | 0 | 7 | 2100 | 2100 | 115.38 | 6 | 2069 | 3296 | 0.6 |
| | Aggregated | 19 | 0 | 7 | 2100 | 2100 | 115.38 | 6 | 2069 | 3296 | 0.6 |

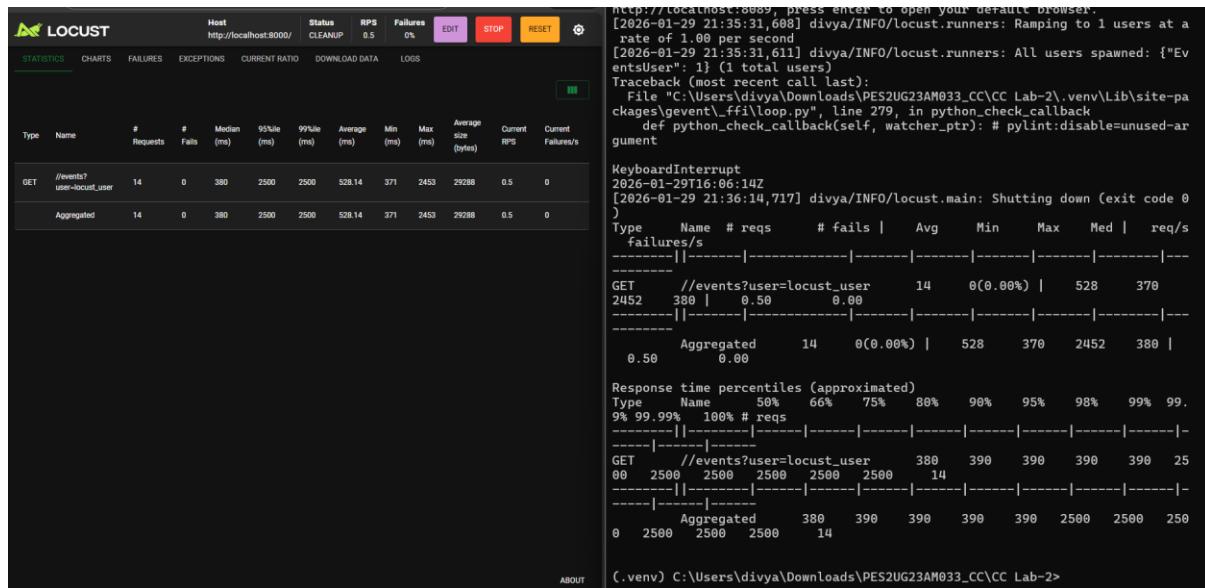
[2026-01-29 21:05:18,148] divya/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to open your default browser.
[2026-01-29 21:05:45,843] divya/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-29 21:05:45,844] divya/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)
Traceback (most recent call last):
File "C:\Users\divya\Downloads\PES2UG23AM033_CC\CC Lab-2\.venv\Lib\site-packages\gevent_ffilib.py", line 279, in python_check_callback
def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument
KeyboardInterrupt
2026-01-29 21:05:37:012
[2026-01-29 21:07:01,935] divya/INFO/locust.main: Shutting down (exit code 0)
Type Name # reqs # fails | Avg Min Max Med | req/s failures
----|----|-----|----|----|----|----|----|----|----
GET //checkout 19 0(0.00%) | 115 5 2068 7 | 0.64 0.00
----|----|-----|----|----|----|----|----|----|----
Aggregated 19 0(0.00%) | 115 5 2068 7 | 0.64 0.00
----|----|-----|----|----|----|----|----|----|----
Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99%
9% 99. 99% 100% # reqs
----|----|-----|----|----|----|----|----|----|----
GET //checkout 7 7 7 8 10 2100 2100 2100
0 2100 2100 2100 19
----|----|-----|----|----|----|----|----|----|----
Aggregated 7 7 7 8 10 2100 2100 2100
0 2100 2100 2100 19
(.venv) C:\Users\divya\Downloads\PES2UG23AM033_CC\CC Lab-2>

CC LAB 2

Ss5

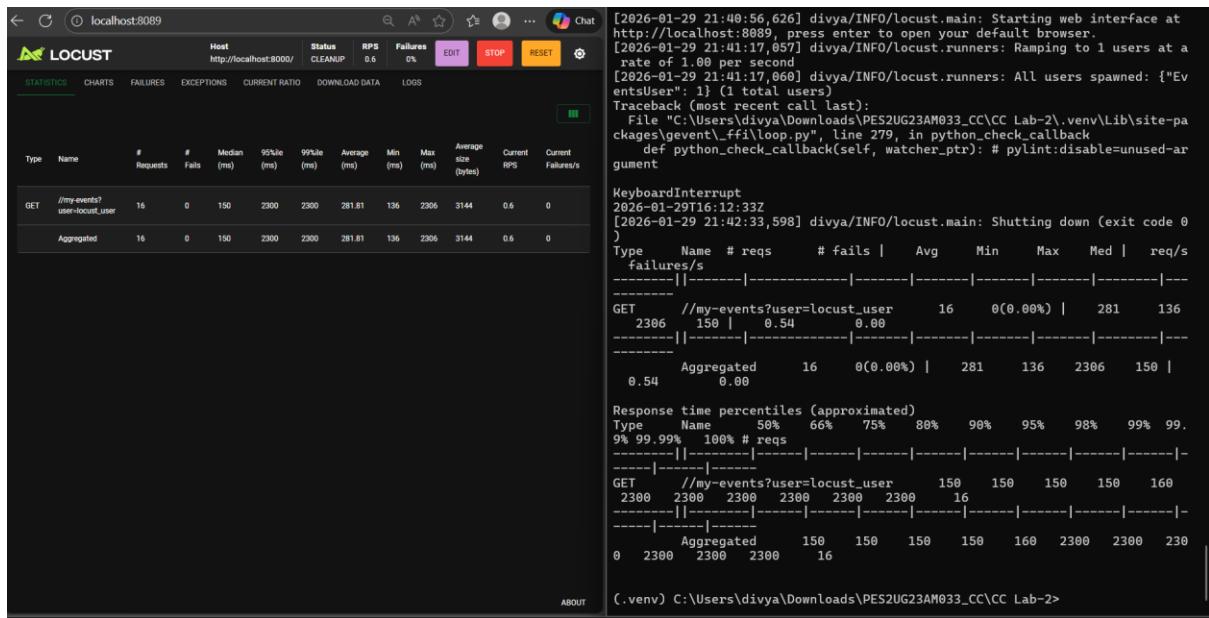


Ss6

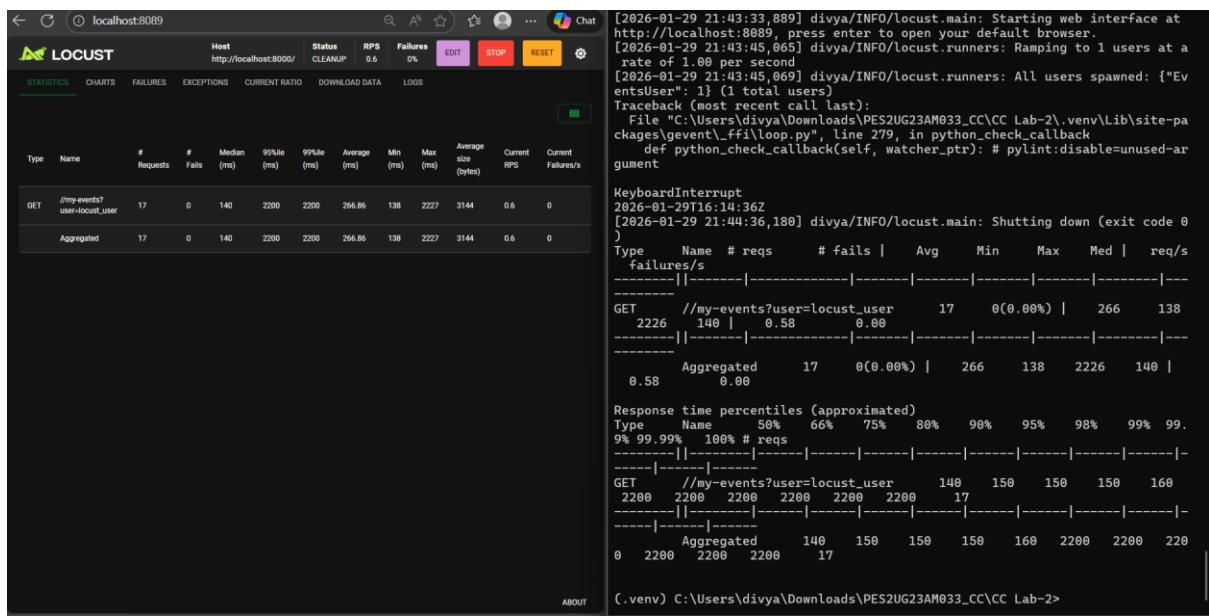


CC LAB 2

Ss7



Ss8



CC LAB 2

Ss9

