

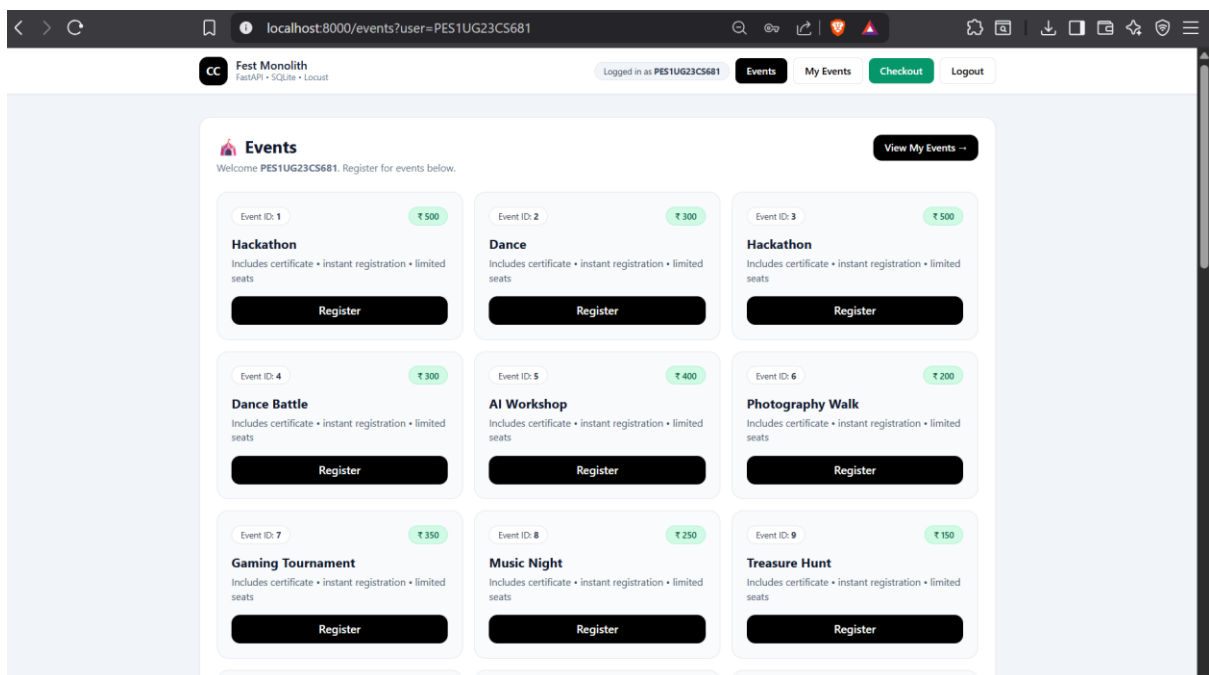
PES1UG23CS681

VIDISHA MURALI

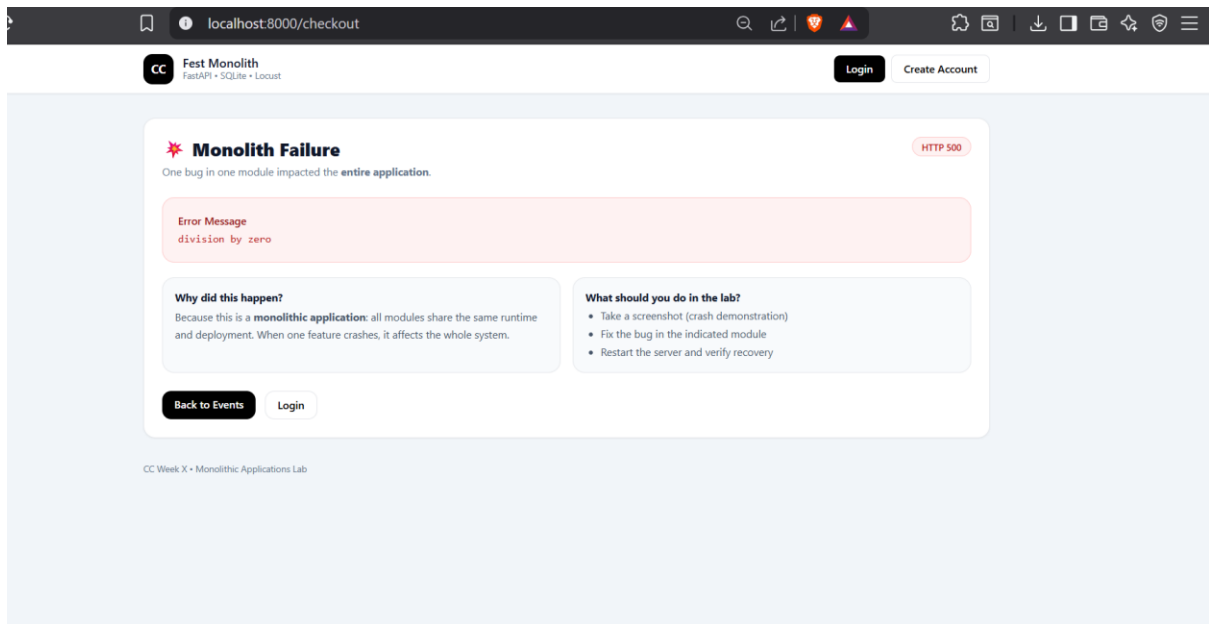
L SECTION

CCLAB2

SS1:



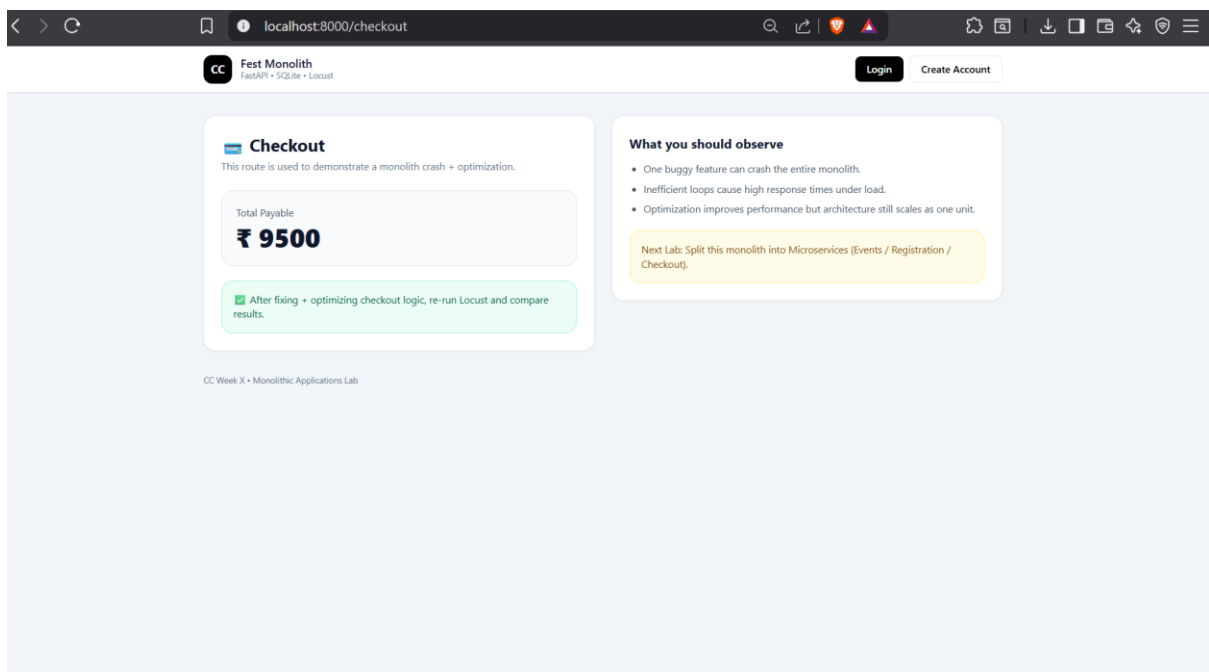
SS2:



```
INFO: 127.0.0.1:60258 - "GET /events?user=PES1UG23CS681 HTTP/1.1" 200 OK
INFO: 127.0.0.1:60331 - "GET /checkout HTTP/1.1" 500 Internal Server Error
ERROR: Exception in ASGI application
```

ZeroDivisionError: division by zero

SS3:



```
INFO: 127.0.0.1:54396 - "GET /checkout HTTP/1.1" 200 OK
```

SS4:

localhost:8089

LOCUST

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

11

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)
GET	/checkout	19	0	8	2000	2000	115.56
Aggregated		19	0	8	2000	2000	115.56

ABOUT

C:\Windows\System32\cmd.e

(venv) C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2>locust -f locust/checkout_locustfile.py --host=http://localhost:8080
[2026-01-29 15:06:45,204] Jyothy/INFO/locust.main: Starting Locust 2.43.1
[2026-01-29 15:06:45,204] Jyothy/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to open your default browser.
[2026-01-29 15:07:11,954] Jyothy/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-29 15:07:11,956] Jyothy/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)
Traceback (most recent call last):
File "C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2\venv\Lib\site-packages\gevent_ffi\loop.py", line 279, in python_check_callback
def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt
2026-01-29T09:38:43Z
[2026-01-29 15:08:43,893] Jyothy/INFO/locust.main: Shutting down (exit code 0)
Type Name Avg Min Max Med req/s failures/s # reqs # fails
GET /checkout 115 6 2044 8 0.65 0.00 19 0(0.00%)
Aggregated 115 6 2044 8 0.65 0.00 19 0(0.00%)

Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100% # reqs
GET /checkout 8 9 9 10 11 2000 2000 2000 2000 2000 2000 19
Aggregated 8 9 9 10 11 2000 2000 2000 2000 2000 2000 19

localhost:8089

LOCUST

Host http://localhost:8000

Status CLEANUP

RPS 0.7

Failures 0%

EDIT

STOP

RESET

SETTINGS

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD DATA

LOGS

11

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/checkout	19	0	8	2000	2000	115.56	7	2044	2797	0.7	0
Aggregated		19	0	8	2000	2000	115.56	7	2044	2797	0.7	0

(venv) C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2>locust -f locust/checkout_locustfile.py --host=http://localhost:8080
[2026-01-29 15:06:45,204] Jyothy/INFO/locust.main: Starting Locust 2.43.1
[2026-01-29 15:06:45,204] Jyothy/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to open your default browser.
[2026-01-29 15:07:11,954] Jyothy/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-29 15:07:11,956] Jyothy/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)
Traceback (most recent call last):
File "C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\venv\Lib\site-packages\gevent_ffi\loop.py", line 279, in python_check_callback
def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt
2026-01-29T09:38:43Z
[2026-01-29 15:08:43,893] Jyothy/INFO/locust.main: Shutting down (exit code 0)
Type Name # reqs # fails Avg Min Max Med req/s failures/s
GET /checkout 19 0(0.00%) 115 6 2044 8 0.65 0.00
Aggregated 19 0(0.00%) 115 6 2044 8 0.65 0.00

Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100% # reqs
GET /checkout 8 9 9 10 11 2000 2000 2000 2000 2000 2000 19
Aggregated 8 9 9 10 11 2000 2000 2000 2000 2000 2000 19

(venv) C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2>

SS5:

localhost:8089

LOCUST

STATISTICS

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)
GET	/checkout	19	0	7	2100	2100	114.97
Aggregated		19	0	7	2100	2100	114.97

C:\Windows\System32\cmd.e

(venv) C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2>locust -f locust/checkout_locustfile.py --host=http://localhost:8000
[2026-01-29 15:21:46,780] Jyothy/INFO/locust.main: Starting Locust 2.43.1
[2026-01-29 15:21:46,780] Jyothy/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to open your default browser.
[2026-01-29 15:21:57,802] Jyothy/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-29 15:21:57,821] Jyothy/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)
Traceback (most recent call last):
File "C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2\venv\Lib\site-packages\gevent\ffi\loop.py", line 279, in python_check_callback
def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt
2026-01-29T09:56:15Z
[2026-01-29 15:26:15,279] Jyothy/INFO/locust.main: Shutting down (exit code 0)
Type Name
reqs # fails | Avg Min Max Med | req/s failures/s

GET /checkout 19 0(0.00%) | 114 5 2050 7 | 0.64 0.00

Aggregated 19 0(0.00%) | 114 5 2050 7 | 0.64 0.00

Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100%

GET /checkout 7 7 9 9 12 2100 2100 2100 2100 2100 2100

Aggregated 7 7 9 9 12 2100 2100 2100 2100 2100 2100

localhost:8089

LOCUST

STATISTICS

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (Bytes)	Current RPS	Current Failures/s
GET	/checkout	19	0	7	2100	2100	114.97	6	2050	2797	0.6	0
Aggregated		19	0	7	2100	2100	114.97	6	2050	2797	0.6	0

Host http://localhost:8000 Status CLEANUP RPS 0.6 Failures 0% EDIT STOP RESET

(venv) C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2>locust -f locust/checkout_locustfile.py --host=http://localhost:8000
[2026-01-29 15:21:46,780] Jyothy/INFO/locust.main: Starting Locust 2.43.1
[2026-01-29 15:21:46,780] Jyothy/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to open your default browser.
[2026-01-29 15:21:57,802] Jyothy/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-29 15:21:57,821] Jyothy/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)
Traceback (most recent call last):
File "C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2\venv\Lib\site-packages\gevent\ffi\loop.py", line 279, in python_check_callback
def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt
2026-01-29T09:56:15Z
[2026-01-29 15:26:15,279] Jyothy/INFO/locust.main: Shutting down (exit code 0)
Type Name # reqs # fails | Avg Min Max Med | req/s failures/s

GET /checkout 19 0(0.00%) | 114 5 2050 7 | 0.64 0.00

Aggregated 19 0(0.00%) | 114 5 2050 7 | 0.64 0.00

Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99%

GET /checkout 7 7 9 9 12 2100 2100 2100 2100 2100

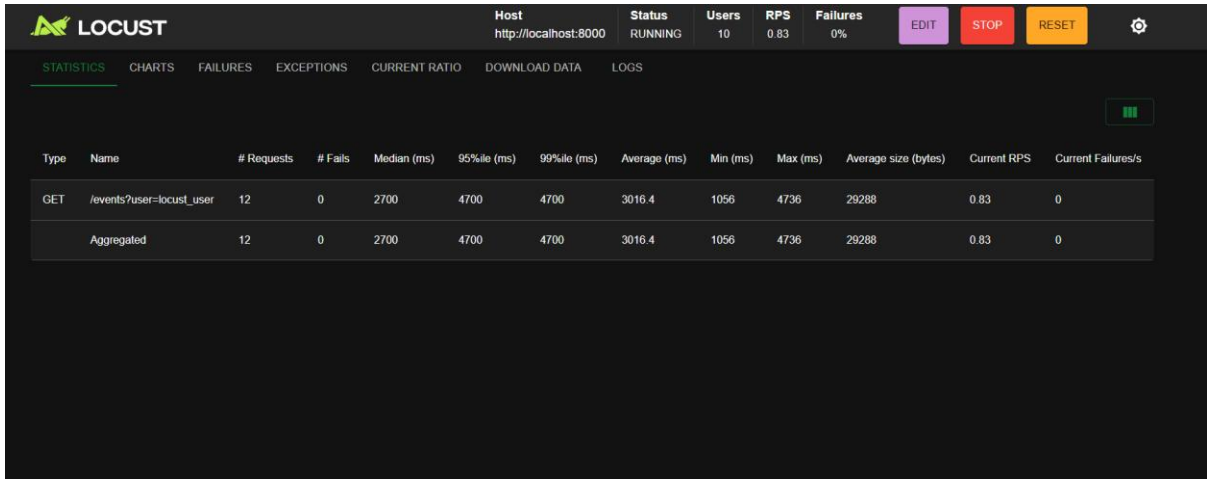
Aggregated 7 7 9 9 12 2100 2100 2100 2100 2100

(venv) C:\Users\VID\SEM6\CLOUD COMPUTING\LAB\LAB 2\PES1UG23CS681\CC Lab-2>

Decreased from 115.56 to 114.97 and rps remained almost same(0.7).

SS6:

Unoptimized:

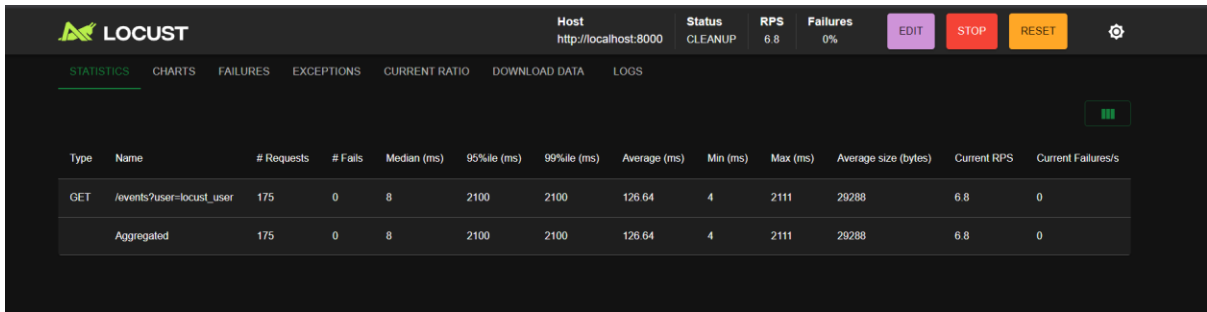


A screenshot of the Locust web interface showing statistics for an unoptimized test. The top bar displays 'Host: http://localhost:8000', 'Status: RUNNING', 'Users: 10', 'RPS: 0.83', and 'Failures: 0%'. The 'STATISTICS' tab is active, showing a table with two rows: 'GET /events?user=locust_user' and 'Aggregated'. The table columns include Type, Name, # Requests, # Fails, Median (ms), 95%ile (ms), 99%ile (ms), Average (ms), Min (ms), Max (ms), Average size (bytes), Current RPS, and Current Failures/s.

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/events?user=locust_user	12	0	2700	4700	4700	3016.4	1056	4736	29288	0.83	0
	Aggregated	12	0	2700	4700	4700	3016.4	1056	4736	29288	0.83	0

SS7:

Optimized:




A screenshot of the Locust web interface showing statistics for an optimized test. The top bar displays 'Host: http://localhost:8000', 'Status: CLEANUP', 'RPS: 6.8', and 'Failures: 0%'. The 'STATISTICS' tab is active, showing a table with two rows: 'GET /events?user=locust_user' and 'Aggregated'. The table columns include Type, Name, # Requests, # Fails, Median (ms), 95%ile (ms), 99%ile (ms), Average (ms), Min (ms), Max (ms), Average size (bytes), Current RPS, and Current Failures/s.

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/events?user=locust_user	175	0	8	2100	2100	126.64	4	2111	29288	6.8	0
	Aggregated	175	0	8	2100	2100	126.64	4	2111	29288	6.8	0

SS8:

Unoptimized:

 LOCUST

Host

http://localhost:8000

Status

RUNNING

Users

10

RPS

5.5


Failures

0%

EDIT

STOP

RESET



STATISTICS

CHARTS


FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD DATA


LOGS



Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/my_events?user=locust_user	86	0	380	2400	2500	589.87	107	2539	3144	5.5	0
	Aggregated	86	0	380	2400	2500	589.87	107	2539	3144	5.5	0

SS9:

Optimized:

 LOCUST

Host

http://localhost:8000

Status

RUNNING

Users

10

RPS

6.8


Failures

0%

EDIT

STOP

RESET



STATISTICS

CHARTS


FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD DATA

LOGS



Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/my-events?user=locust_user	124	0	7	2100	2100	173.84	4	2083	3144	6.8	0
	Aggregated	124	0	7	2100	2100	173.84	4	2083	3144	6.8	0