

# CC LAB-2

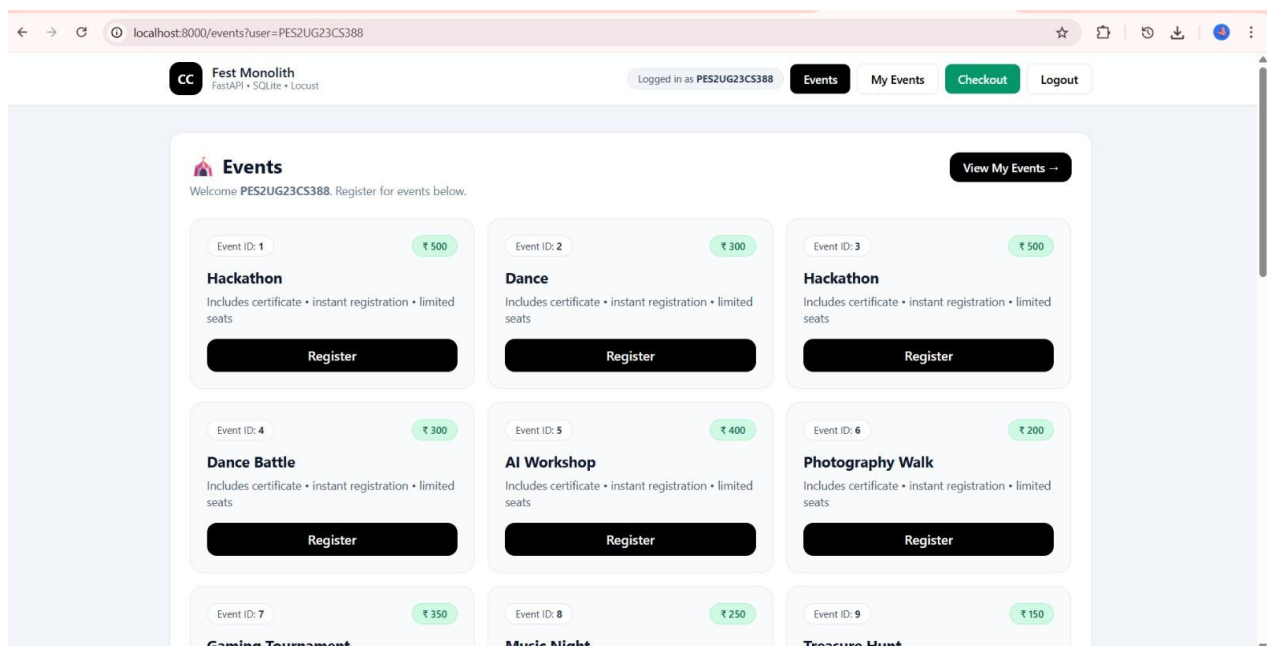
Name: Nikitha Devaraj

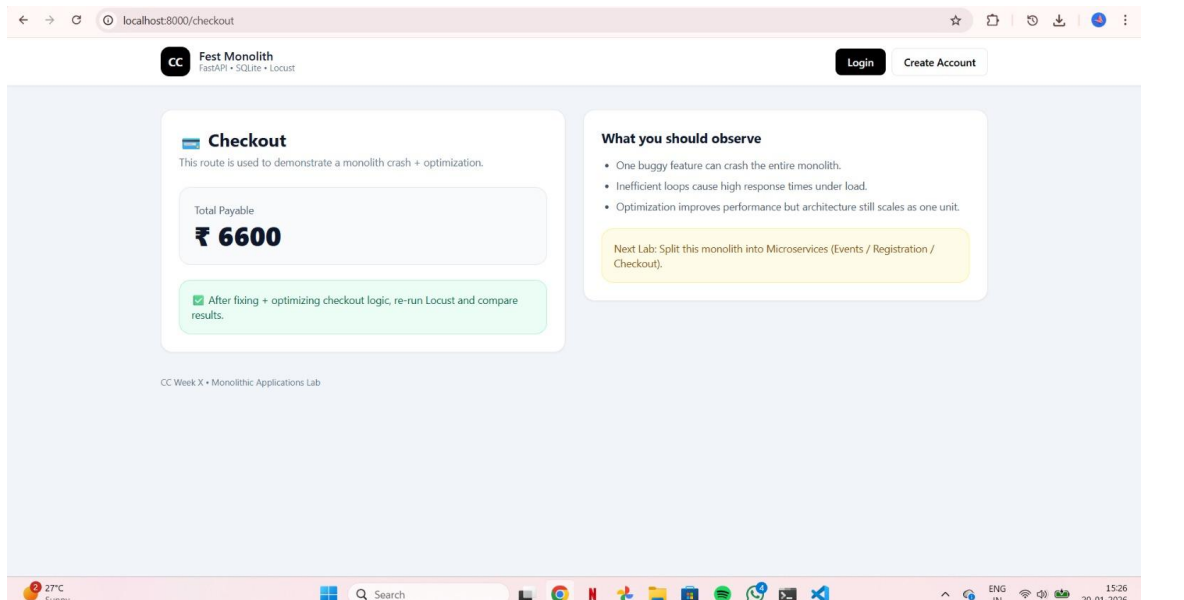
SRN: PES2UG23CS388

Date : 20.01.2026


Github repository link :

[https://github.com/PES2UG23CS388/CC-Lab-2\\_PES2UG23CS388](https://github.com/PES2UG23CS388/CC-Lab-2_PES2UG23CS388)





← → ↺ localhost:8089

 **LOCUST**

Host

http://localhost:8000

Status

CLEANUP

RPS

0.7


Failures

0%

EDIT

STOP

RESET



STATISTICSCHARTSFAILURESEXCEPTIONSCURRENT RATIODOWNLOAD DATALOGS

III

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	18	0	7	2000	2000	120.44	6	2037	2797	0.7	0
	Aggregated	18	0	7	2000	2000	120.44	6	2037	2797	0.7	0

Command Prompt - locust - f

The system cannot find the path specified.

C:\Users\Nikitha\Desktop\PES2UG23CS388>cd CC Lab-2

C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>.\.venv\Scripts\activate

(.venv) C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>locust -f locust/checkout\_locustfile.py

[2026-01-20 15:28:15,895] Nikitha-D/INFO/locust.main: Starting Locust 2.43.1

[2026-01-20 15:28:15,895] Nikitha-D/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to open your default browser.


[2026-01-20 15:29:35,811] Nikitha-D/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second

[2026-01-20 15:29:35,811] Nikitha-D/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)

ABOUT

27°C Sunny

Search



ENG IN

15:30

20-01-2026

Command Prompt

C:\Users\Nikitha\Desktop>cd PES2UG23CS388

C:\Users\Nikitha\Desktop\PES2UG23CS388>cd CC-Lab-2

The system cannot find the path specified.

C:\Users\Nikitha\Desktop\PES2UG23CS388>cd CC Lab-2

C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>.\.venv\Scripts\activate

(.venv) C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>locust -f locust/checkout\_locustfile.py

[2026-01-20 15:28:15,895] Nikitha-D/INFO/locust.main: Starting Locust 2.43.1

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[2026-01-20 15:29:35,811] Nikitha-D/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second

[2026-01-20 15:29:35,811] Nikitha-D/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)

Traceback (most recent call last):

File "C:\Users\Nikitha\Desktop\PES2UG23CS388\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

2026-01-20T10:00:41Z

[2026-01-20 15:30:41,237] Nikitha-D/INFO/locust.main: Shutting down (exit code 0)

Type	Name	# reqs	# fails	Avg	Min	Max	Med	req/s	failures/s
GET	/checkout	18	0(0.00%)	120	5	2037	7	0.63	0.00
	Aggregated	18	0(0.00%)	120	5	2037	7	0.63	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	8	8	10	12	2000	2000	2000	2000	2000	2000	18
	Aggregated	8	8	8	10	12	2000	2000	2000	2000	2000	2000	18

(.venv) C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>

(.venv) C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>

← → ↻ 📍 localhost:8089

 **LOCUST**

Host

http://localhost:8000

Status

RUNNING

Users

1

RPS

0.33


Failures

0%

EDIT

STOP

RESET



STATISTICSCHARTSFAILURES EXCEPTIONSCURRENT RATIODOWNLOAD DATALOGS


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	4	0	7	2100	2100	527.99	6	2091	2797	0.33	0
Aggregated		4	0	7	2100	2100	527.99	6	2091	2797	0.33	0

```
Command Prompt - locust -f x + v
Microsoft Windows [Version 10.0.26200.7623]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Nikitha>cd Desktop
C:\Users\Nikitha\Desktop>cd PES2UG23CS388
C:\Users\Nikitha\Desktop\PES2UG23CS388>cd CC Lab-2
C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>.\.venv\Scripts\activate

(.venv) C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>locust -f locust/checkout_locustfile.py
[2026-01-20 15:38:40,295] Nikitha-D/INFO/locust.main: Starting Locust 2.43.1
[2026-01-20 15:38:40,295] Nikitha-D/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to op
en your default browser.
[2026-01-20 15:39:09,866] Nikitha-D/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-20 15:39:09,869] Nikitha-D/INFO/locust.runners: All users spawned: {"CheckoutUser": 1} (1 total users)
```

← → ↻ 📍 localhost:8089

 **LOCUST**

Host

http://localhost:8000

Status

STOPPED

RPS


0.5

Failures

0%

NEW

RESET



STATISTICSCHARTSFAILURES EXCEPTIONSCURRENT RATIODOWNLOAD DATALOGS

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	15	0	340	2400	2400	474.1	277	2396	21138	0.5	0
Aggregated		15	0	340	2400	2400	474.1	277	2396	21138	0.5	0

```
Command Prompt - locust -f x + v
Type      Name      50%      66%      75%      80%      90%      95%      98%      99%      99.9%  99.99
% 100% # reqs
-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

(.venv) C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>locust -f locust/events_locustfile.py
[2026-01-20 15:42:48,280] Nikitha-D/INFO/locust.main: Starting Locust 2.43.1
[2026-01-20 15:42:48,280] Nikitha-D/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to op
en your default browser.
[2026-01-20 15:42:55,825] Nikitha-D/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-20 15:42:55,827] Nikitha-D/INFO/locust.runners: All users spawned: {"EventsUser": 1} (1 total users)
```

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	19	0	10	2100	2100	122.24	9	2123	21138	0.7	0
Aggregated		19	0	10	2100	2100	122.24	9	2123	21138	0.7	0

```

(.venv) C:\Users\Nikitha\Desktop\PES2UG23CS388\CC Lab-2>locust -f locust/events_locustfile.py
[2026-01-20 15:48:13,021] Nikitha-D/INFO/locust.main: Starting Locust 2.43.1
[2026-01-20 15:48:13,023] Nikitha-D/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to op
en your default browser.
[2026-01-20 15:48:24,297] Nikitha-D/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2026-01-20 15:48:24,305] Nikitha-D/INFO/locust.runners: All users spawned: {"EventsUser": 1} (1 total users)
  
```

[ABOUT](#)

## Checkout Route

Earlier, the checkout code was slow because it used unnecessary loops to calculate the total amount. I simplified the logic by adding all the event fees using a single loop. This reduced extra processing and made the checkout faster.

## Events Route

The events page was slow because the data was processed multiple times. I optimized the code by removing repeated loops and handling the data only once. This reduced the response time and improved performance.

## My-Events Route

The my-events page was slow due to inefficient handling of user data. I simplified the logic by avoiding repeated processing and using a direct approach. This made the page load faster.