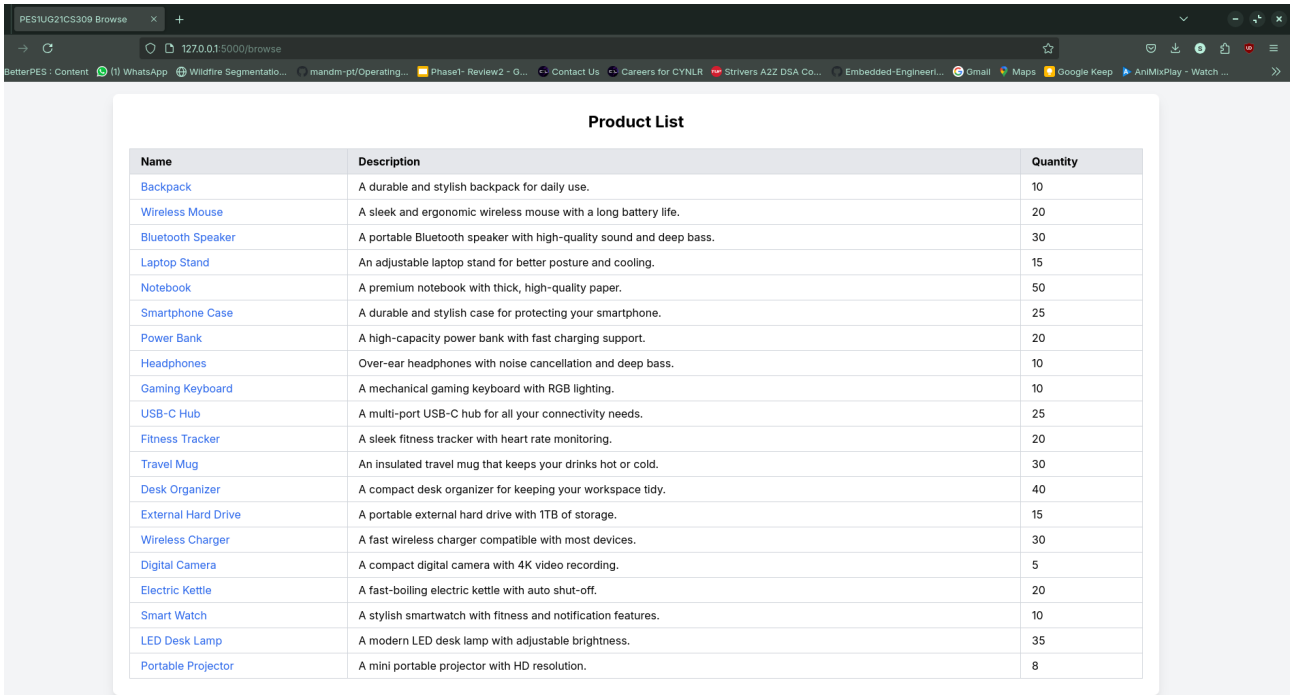
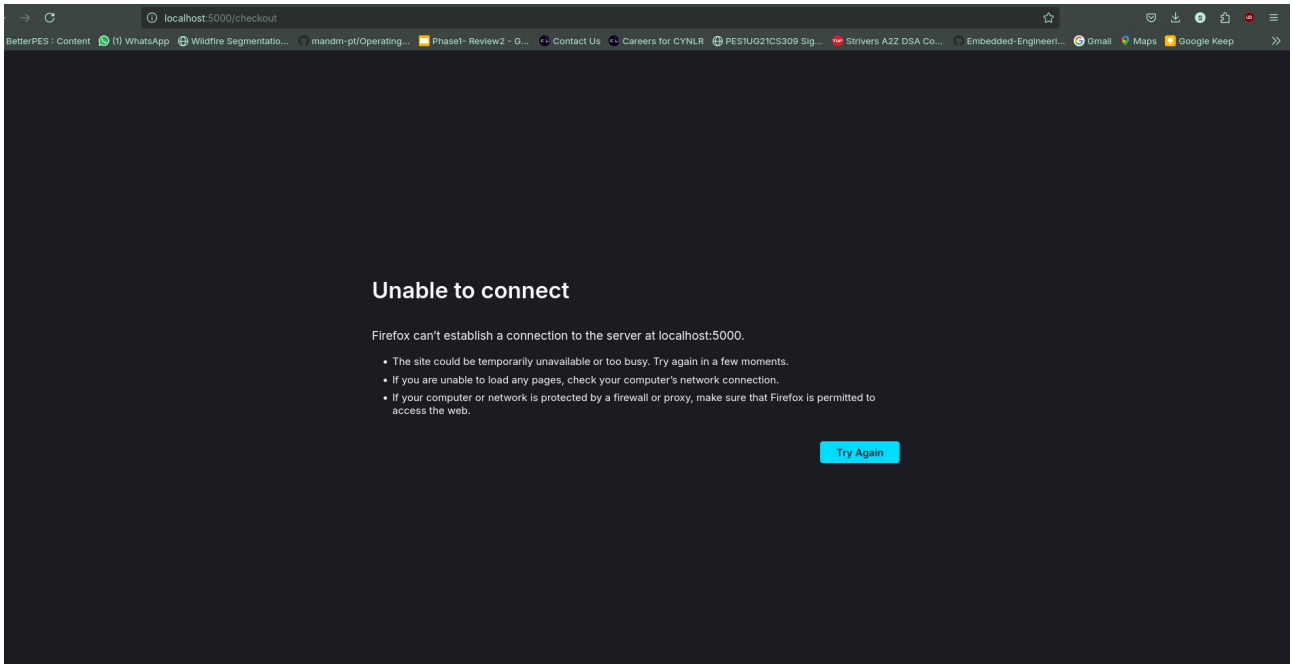
CC LAB 3

NAME: ANIRUDDHA SESHU
SRN: PES1UG22CS309
SECTION: F

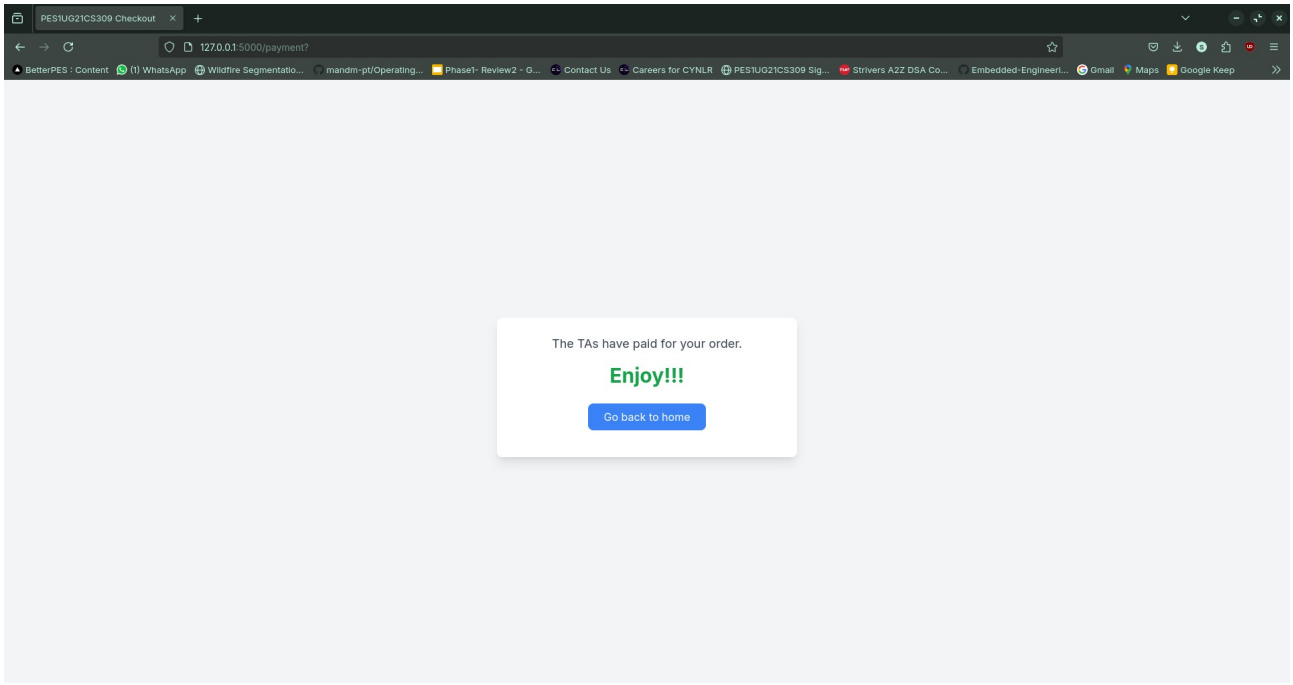
1)



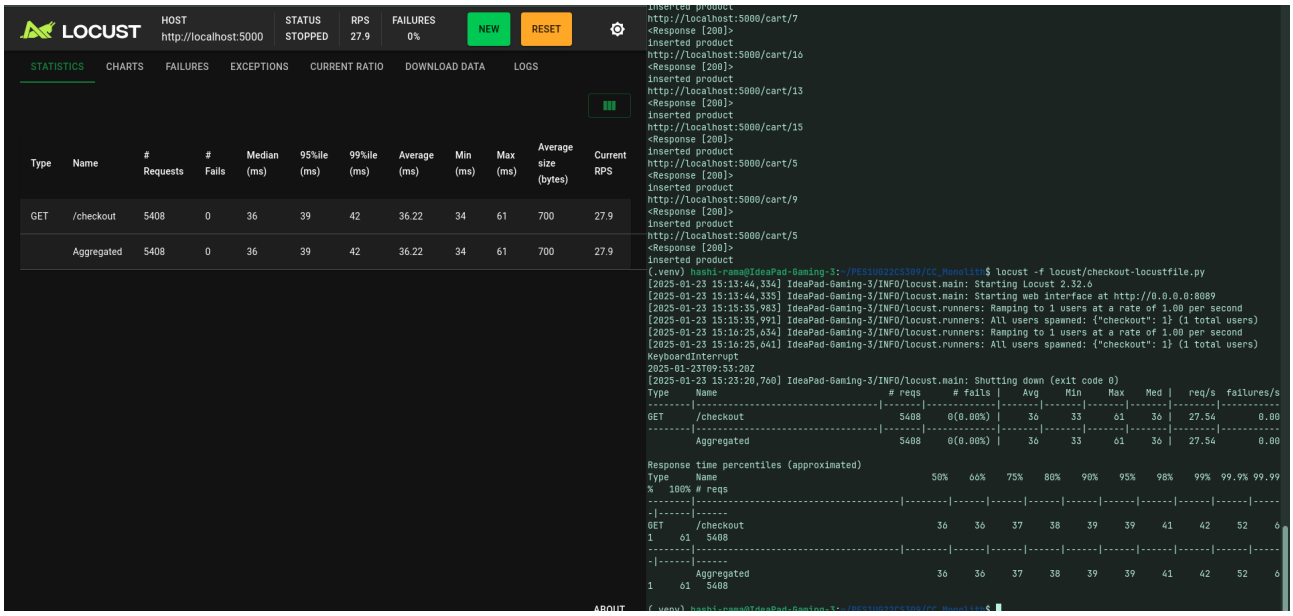
2)


localhost:5000/checkout
Unable to connect
Firefox can't establish a connection to the server at localhost:5000.
The site could be temporarily unavailable or too busy. Try again in a few moments.
If you are unable to load any pages, check your computer's network connection.
If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the web.
Try Again

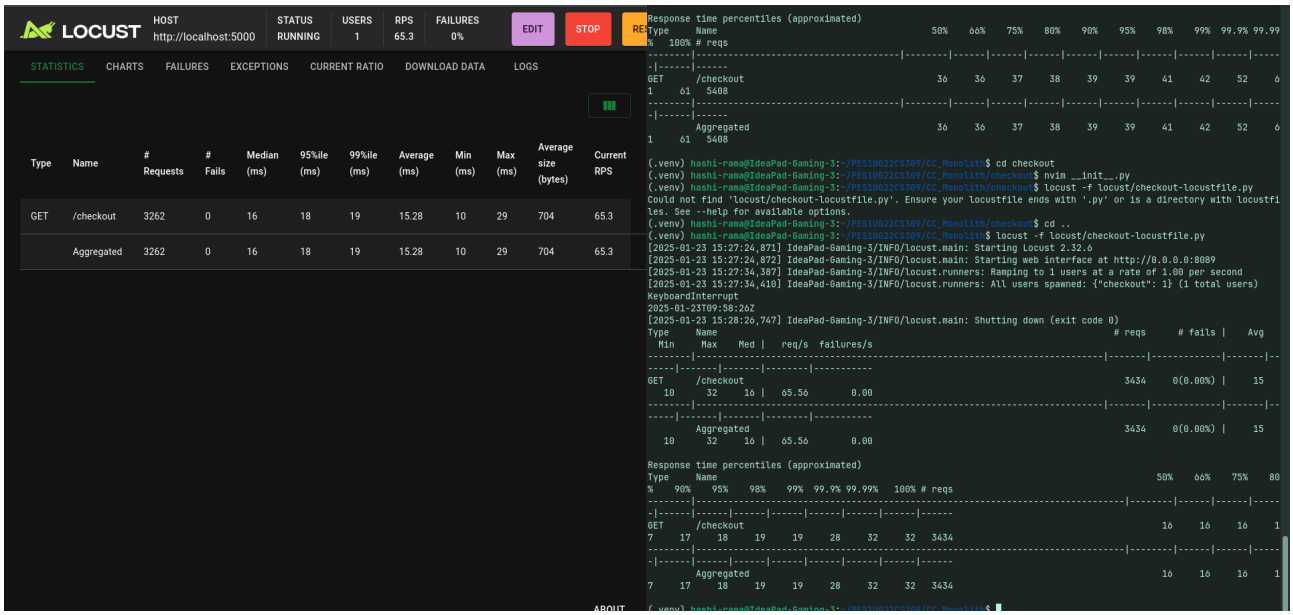
3)


PES1UG21CS309 Checkout
127.0.0.1:5000/payment?
The TAs have paid for your order.
Enjoy!!!
Go back to home

4)

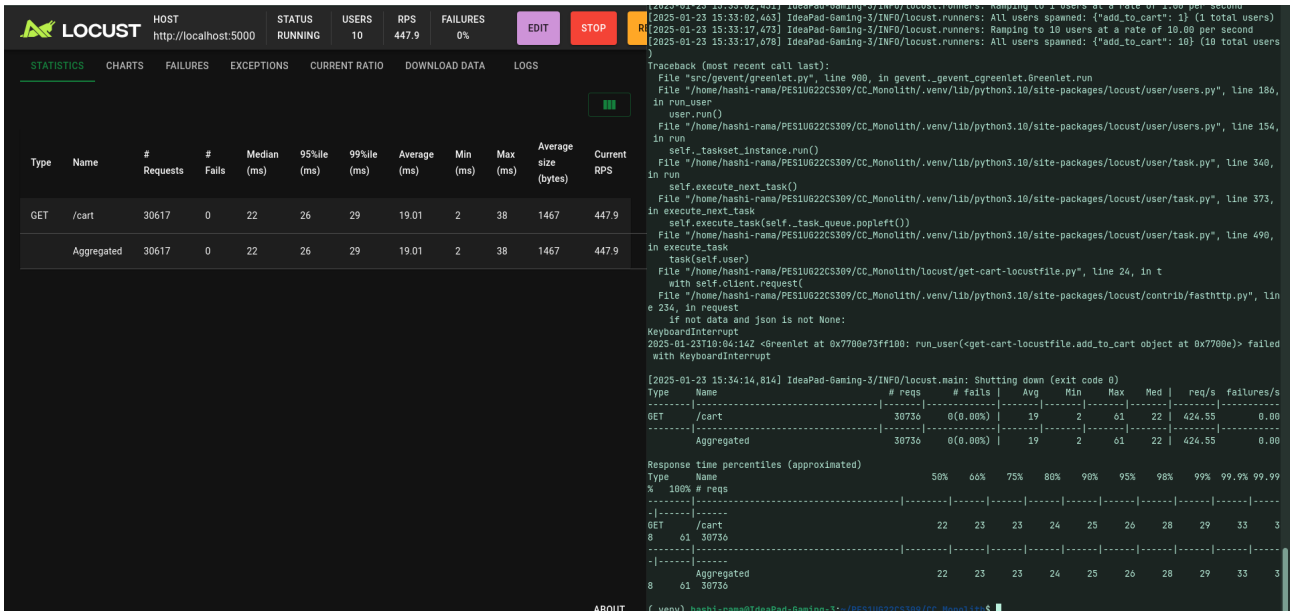

LOCUST
HOST
http://localhost:5000
STATUS
STOPPED
RPS
27.9
FAILURES
0%
NEW
RESET
STATISTICS
CHARTS
FAILURES
EXCEPTIONS
CURRENT RATIO
DOWNLOAD DATA
LOGS
Type
Name
Requests
Fails
Median (ms)
95%ile (ms)
99%ile (ms)
Average (ms)
Min (ms)
Max (ms)
Average size (bytes)
Current RPS
GET
/checkout
5408
0
36
39
42
36.22
34
61
700
27.9
Aggregated
5408
0
36
39
42
36.22
34
61
700
27.9
ABOUT
inserted product
http://localhost:5000/cart/7
<Response [200]>
inserted product
http://localhost:5000/cart/16
<Response [200]>
inserted product
http://localhost:5000/cart/13
<Response [200]>
inserted product
http://localhost:5000/cart/15
<Response [200]>
inserted product
http://localhost:5000/cart/5
<Response [200]>
inserted product
http://localhost:5000/cart/9
<Response [200]>
inserted product
http://localhost:5000/cart/5
<Response [200]>
inserted product
(.venv) hashi-rama@IdeaPad-Gaming-3:~/PES1UG22CS309/CC_Monolith$ locust -f locust/checkout-locustfile.py
[2025-01-23 15:13:44,334] IdeaPad-Gaming-3/INFO/locust.main: Starting Locust 2.32.6
[2025-01-23 15:13:44,335] IdeaPad-Gaming-3/INFO/locust.main: Starting web interface at http://0.0.0.0:8089
[2025-01-23 15:15:35,983] IdeaPad-Gaming-3/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2025-01-23 15:15:35,991] IdeaPad-Gaming-3/INFO/locust.runners: All users spawned: {"checkout": 1} (1 total users)
[2025-01-23 15:16:25,634] IdeaPad-Gaming-3/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2025-01-23 15:16:25,641] IdeaPad-Gaming-3/INFO/locust.runners: All users spawned: {"checkout": 1} (1 total users)
KeyboardInterrupt
2025-01-23T09:53:20Z
[2025-01-23 15:23:20,760] IdeaPad-Gaming-3/INFO/locust.main: Shutting down (exit code 0)
Type Name # reqs # fails | Avg Min Max Med | req/s failures/s
GET /checkout 5408 0(0.00%) | 36 33 61 36 | 27.54 0.00
Aggregated 5408 0(0.00%) | 36 33 61 36 | 27.54 0.00
Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100% # reqs
GET /checkout 36 36 37 38 39 39 41 42 52 61 61 5408
Aggregated 36 36 37 38 39 39 41 42 52 61 61 5408

5)


LOCUST
HOST
http://localhost:5000
STATUS
RUNNING
USERS
1
RPS
65.3
FAILURES
0%
EDIT
STOP
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
GET
/checkout
3262
0
16
18
19
15.28
10
29
704
65.3
Aggregated
3262
0
16
18
19
15.28
10
29
704
65.3
ABOUT
Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100% # reqs
GET /checkout 36 36 37 38 39 39 41 42 52 61 61 5408
Aggregated 36 36 37 38 39 39 41 42 52 61 61 5408
(.venv) hashi-rama@IdeaPad-Gaming-3:~/PES1UG22CS309/CC_Monolith$ cd checkout
(.venv) hashi-rama@IdeaPad-Gaming-3:~/PES1UG22CS309/CC_Monolith/checkout$ nvim __init__.py
(.venv) hashi-rama@IdeaPad-Gaming-3:~/PES1UG22CS309/CC_Monolith/checkout$ locust -f locust/checkout-locustfile.py
Could not find 'locust/checkout-locustfile.py'. Ensure your locustfile ends with '.py' or is a directory with locustfiles. See --help for available options.
(.venv) hashi-rama@IdeaPad-Gaming-3:~/PES1UG22CS309/CC_Monolith/checkout$ cd ..
(.venv) hashi-rama@IdeaPad-Gaming-3:~/PES1UG22CS309/CC_Monolith$ locust -f locust/checkout-locustfile.py
[2025-01-23 15:27:24,871] IdeaPad-Gaming-3/INFO/locust.main: Starting Locust 2.32.6
[2025-01-23 15:27:24,872] IdeaPad-Gaming-3/INFO/locust.main: Starting web interface at http://0.0.0.0:8089
[2025-01-23 15:27:34,387] IdeaPad-Gaming-3/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2025-01-23 15:27:34,410] IdeaPad-Gaming-3/INFO/locust.runners: All users spawned: {"checkout": 1} (1 total users)
KeyboardInterrupt
2025-01-23T09:58:26Z
[2025-01-23 15:28:26,747] IdeaPad-Gaming-3/INFO/locust.main: Shutting down (exit code 0)
Type Name # reqs # fails | Avg Min Max Med | req/s failures/s
GET /checkout 3434 0(0.00%) | 15 10 32 16 | 65.56 0.00
Aggregated 3434 0(0.00%) | 15 10 32 16 | 65.56 0.00
Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100% # reqs
GET /checkout 16 16 16 17 17 18 19 19 28 32 32 3434
Aggregated 16 16 16 17 17 18 19 19 28 32 32 3434

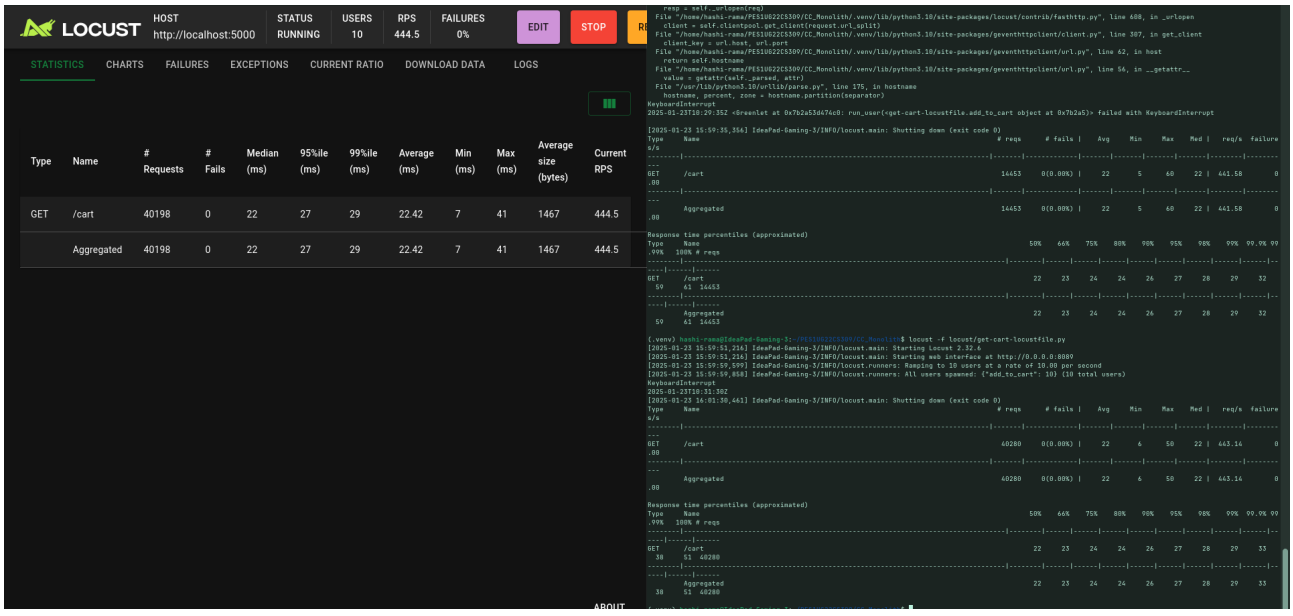
6)

Before:

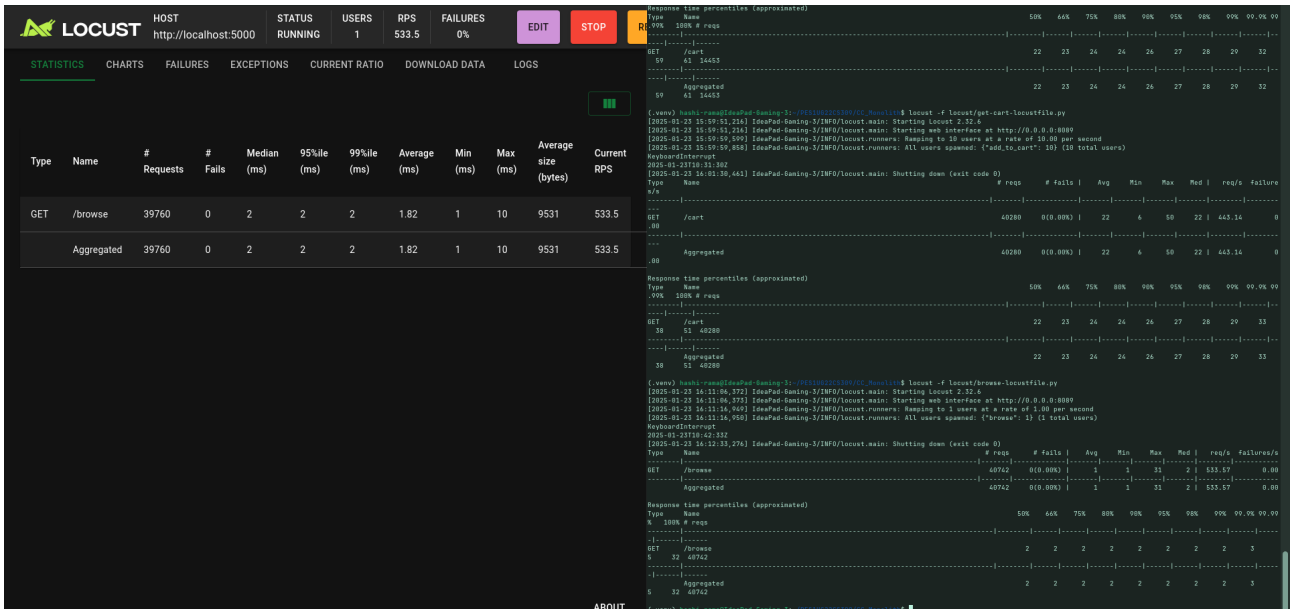


Optimization:
(i) Mentioned in the code file

7) After:



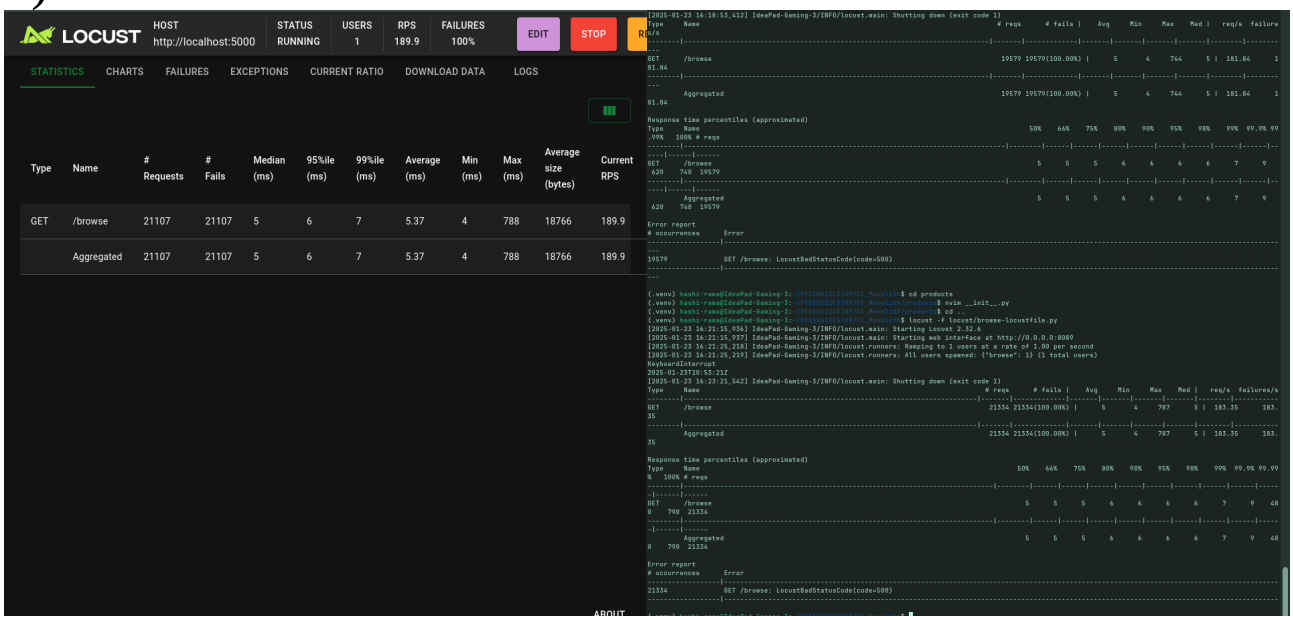
8) Before:



Note: The locust file output for the /browse is the one on the bottom

Optimization:
(i) Mentioned in the code file

9) After:



Github Link:

https://github.com/Hashi-Rama-1/CC-Lab3-Monolith/tree/main