

Cloud Computing

Name: Abhijith M S

SRN: PES2UG22CS013

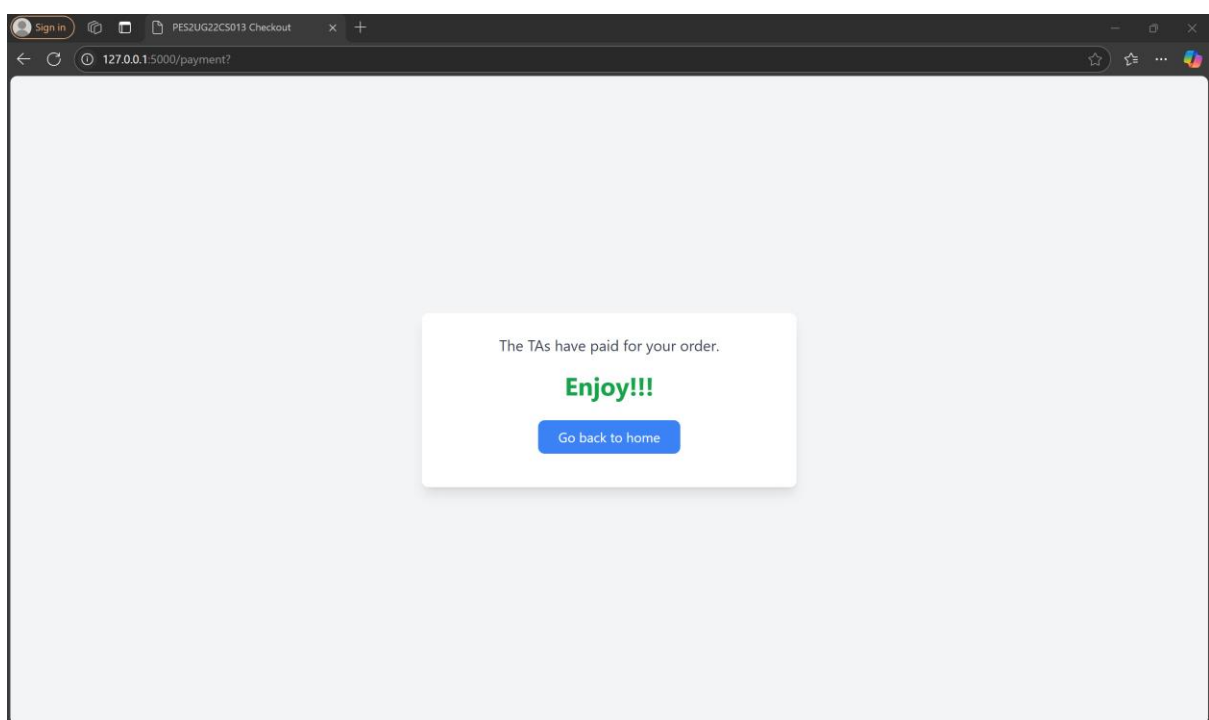
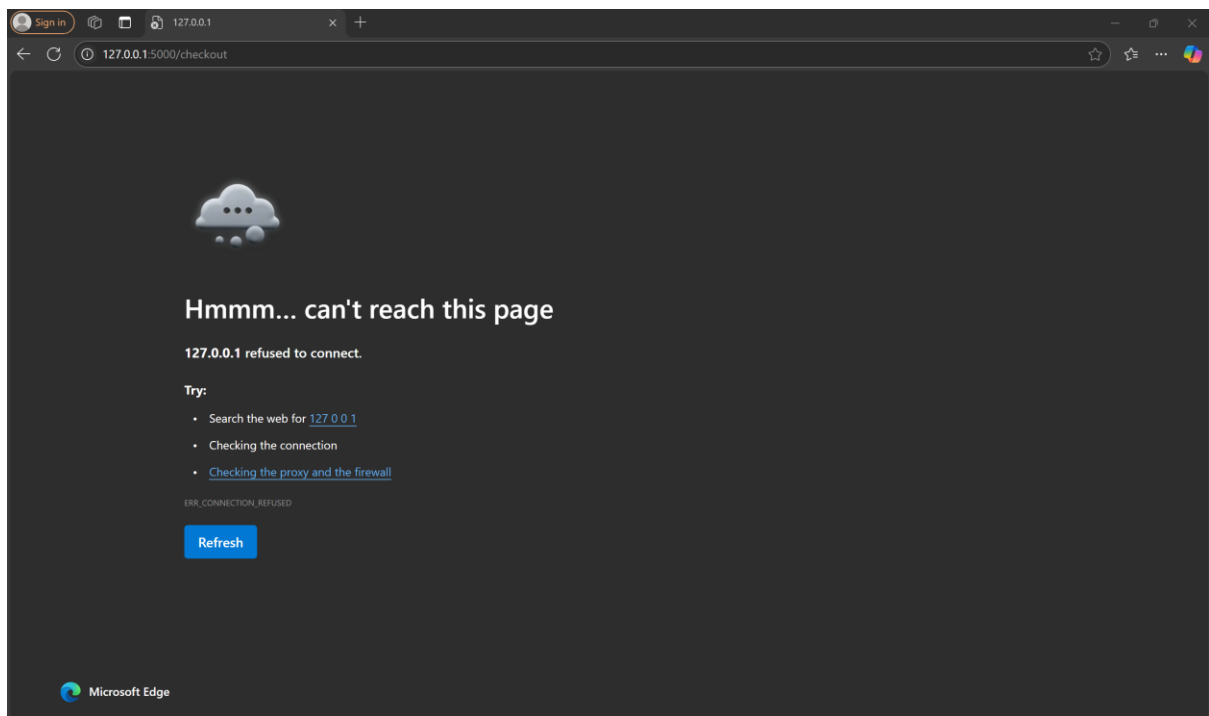
Date: 21-01-2025

Sign in

PES2UG22CS013 - Browse

127.0.0.1:5000/browse

Name	Description	Quantity
Backpack	A durable and stylish backpack for daily use.	10
Wireless Mouse	A sleek and ergonomic wireless mouse with a long battery life.	20
Bluetooth Speaker	A portable Bluetooth speaker with high-quality sound and deep bass.	30
Laptop Stand	An adjustable laptop stand for better posture and cooling.	15
Notebook	A premium notebook with thick, high-quality paper.	50
Smartphone Case	A durable and stylish case for protecting your smartphone.	25
Power Bank	A high-capacity power bank with fast charging support.	20
Headphones	Over-ear headphones with noise cancellation and deep bass.	10
Gaming Keyboard	A mechanical gaming keyboard with RGB lighting.	10
USB-C Hub	A multi-port USB-C hub for all your connectivity needs.	25
Fitness Tracker	A sleek fitness tracker with heart rate monitoring.	20
Travel Mug	An insulated travel mug that keeps your drinks hot or cold.	30
Desk Organizer	A compact desk organizer for keeping your workspace tidy.	40
External Hard Drive	A portable external hard drive with 1TB of storage.	15
Wireless Charger	A fast wireless charger compatible with most devices.	30
Digital Camera	A compact digital camera with 4K video recording.	5
Electric Kettle	A fast-boiling electric kettle with auto shut-off.	20



Sign in

You are : X PES2UG/ X Locust X +

localhost:8089

LOCUST

HOSThttp://localhost:5000

STATUSSTOPPED

RPS0.4

FAILURES0%

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD

III

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)
GET	/checkout	11	0	2300	2300	2300	2319.17	227
Aggregated		11	0	2300	2300	2300	2319.17	227

ABOUT

Windows Power X Windows Power X Windows Power X + v -

b\site-packages\gevent_ffi\loop.py", line 270, in python_check_callback
def python_check_callback(self, watcher_ptr): # pylint:disable=unuse
d-argument

KeyboardInterrupt
2025-01-21T10:00:13Z
[2025-01-21 15:30:13,804] LAPTOP-HLSQJGPI/INFO/locust.main: Shutting down (exit code 0)
Type Name # reqs # fails | Avg Min Max Med | req/s failures/s
-----|-----|-----|-----|-----|-----|-----|-----|-----|
GET /checkout 11 0(0.00%) | 2319 2278 2340 2300 | 0.37 0.00
-----|-----|-----|-----|-----|-----|-----|-----|-----|
Aggregated 11 0(0.00%) | 2319 2278 2340 2300 | 0.37 0.00
-----|-----|-----|-----|-----|-----|-----|-----|-----|
Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% # reqs
-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
GET /checkout 2300 2300 2300 2300 2300 2300 2300 2300 2300 2300 11
2300 2300 11
-----|-----|-----|-----|-----|-----|-----|-----|-----|
Aggregated 2300 2300 2300 2300 2300 2300 2300 2300 2300 2300 11
2300 2300 11
-----|-----|-----|-----|-----|-----|-----|-----|-----|
PS D:\cloud computing\PES2UG22CS013\CC_Monolith>

Sign in

You are : X PES2UG/ X Locust X +

localhost:8089

LOCUST

HOSThttp://localhost:5000

STATUSSTOPPED

RPS0.4

FAILURES0%

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD

III

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)
GET	/checkout	11	0	2200	2300	2300	2218.52	218
Aggregated		11	0	2200	2300	2300	2218.52	218

ABOUT

Windows Power X Windows Power X Windows Power X + v -

ust 2.32.6
[2025-01-21 15:35:02,053] LAPTOP-HLSQJGPI/INFO/locust.main: Starting web interface at http://localhost:8089 (accepting connections from all network interfaces)
[2025-01-21 15:35:18,988] LAPTOP-HLSQJGPI/INFO/locust.runners: Ramping to 0.1 users at a rate of 1.00 per second
[2025-01-21 15:35:23,110] LAPTOP-HLSQJGPI/INFO/locust.runners: All users spawned: {"checkout": 1} (1 total users)
Traceback (most recent call last):
File "C:\Users\Abhijith M S\AppData\Local\Programs\Python\Python311\Lib\site-packages\gevent_ffi\loop.py", line 270, in python_check_callback
def python_check_callback(self, watcher_ptr): # pylint:disable=unuse
d-argument

KeyboardInterrupt
2025-01-21T10:07:01Z
[2025-01-21 15:37:01,433] LAPTOP-HLSQJGPI/INFO/locust.main: Shutting down (exit code 0)
Type Name # reqs # fails | Avg Min Max Med | req/s failures/s
-----|-----|-----|-----|-----|-----|-----|-----|-----|
GET /checkout 11 0(0.00%) | 2218 2180 2296 2200 0.39 0.00
-----|-----|-----|-----|-----|-----|-----|-----|-----|
Aggregated 11 0(0.00%) | 2218 2180 2296 2200 0.39 0.00
-----|-----|-----|-----|-----|-----|-----|-----|-----|
Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100% # reqs
-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
GET /checkout 2200 2200 2200 2200 2300 2300 2300 2300 2300 2300 2300 11
2300 2300 2300 2300 11
-----|-----|-----|-----|-----|-----|-----|-----|-----|
Aggregated 2200 2200 2200 2200 2300 2300 2300 2300 2300 2300 2300 11
2300 2300 2300 2300 11
-----|-----|-----|-----|-----|-----|-----|-----|-----|
PS D:\cloud computing\PES2UG22CS013\CC_Monolith>

Sign in

localhost:8089

LOCUST

HOST
http://localhost:5000

STATUS
STOPPED

RPS
0.2

FAILURES
0%

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD

III

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)
GET	/cart	6	0	4085.06	4100	4100	4073.58	4066
Aggregated		6	0	4085.06	4100	4100	4073.58	4066

ABOUT

ust 2.32.6

[2025-01-21 16:18:20,607] LAPTOP-HLSQJGPI/INFO/locust.main: Starting web interface at http://localhost:8089 (accepting connections from all network interfaces)

[2025-01-21 16:18:26,636] LAPTOP-HLSQJGPI/INFO/locust.runners: Ramping to 0.1 users at a rate of 1.00 per second

[2025-01-21 16:18:30,699] LAPTOP-HLSQJGPI/INFO/locust.runners: All users spawned: {"add_to_cart": 1} (1 total users)

Traceback (most recent call last):

File "C:\Users\Abhijith M S\AppData\Local\Programs\Python\Python311\Lib\site-packages\gevent_ffi\loop.py", line 270, in python_check_callback

def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt

2025-01-21T10:49:26Z

[2025-01-21 16:19:26,795] LAPTOP-HLSQJGPI/INFO/locust.main: Shutting down (exit code 0)

Type Name # reqs # fails | Avg Min Max Med | r

eq/s failures/s

-----|-----|-----|-----|-----|-----|-----

GET /cart 6 0(0.00%) | 4073 4066 4085 4085 |

0.21 0.00

-----|-----|-----|-----|-----|-----|-----

Aggregated 6 0(0.00%) | 4073 4066 4085 4085

0.21 0.00

Response time percentiles (approximated)

Type Name 50% 66% 75% 80% 90% 95% 98% 99%

99.9% 99.99% 100% # reqs

-----|-----|-----|-----|-----|-----|-----|-----|-----

GET /cart 4100 4100 4100 4100 4100 4100 4100 4100

4100 4100 4100 6

-----|-----|-----|-----|-----|-----|-----|-----

Aggregated 4100 4100 4100 4100 4100 4100 4100 4100

4100 4100 4100 6

PS D:\cloud computing\PES2UG22CS013\CC_Monolith>

Sign in

localhost:8089

LOCUST

HOST
http://localhost:5000

STATUS
STOPPED

RPS
0.3

FAILURES
0%

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD

III

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)
GET	/cart	6	0	4084.73	4100	4100	4074.93	4058
Aggregated		6	0	4084.73	4100	4100	4074.93	4058

ABOUT

ust 2.32.6

[2025-01-21 16:20:32,961] LAPTOP-HLSQJGPI/INFO/locust.main: Starting web interface at http://localhost:8089 (accepting connections from all network interfaces)

[2025-01-21 16:20:39,242] LAPTOP-HLSQJGPI/INFO/locust.runners: Ramping to 0.1 users at a rate of 1.00 per second

[2025-01-21 16:20:43,306] LAPTOP-HLSQJGPI/INFO/locust.runners: All users spawned: {"add_to_cart": 1} (1 total users)

Traceback (most recent call last):

File "C:\Users\Abhijith M S\AppData\Local\Programs\Python\Python311\Lib\site-packages\gevent_ffi\loop.py", line 270, in python_check_callback

def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt

2025-01-21T10:51:31Z

[2025-01-21 16:21:31,118] LAPTOP-HLSQJGPI/INFO/locust.main: Shutting down (exit code 0)

Type Name # reqs # fails | Avg Min Max Med | r

eq/s failures/s

-----|-----|-----|-----|-----|-----|-----

GET /cart 6 0(0.00%) | 4074 4058 4084 4084 |

0.21 0.00

-----|-----|-----|-----|-----|-----|-----

Aggregated 6 0(0.00%) | 4074 4058 4084 4084

0.21 0.00

Response time percentiles (approximated)

Type Name 50% 66% 75% 80% 90% 95% 98% 99%

99.9% 99.99% 100% # reqs

-----|-----|-----|-----|-----|-----|-----|-----|-----

GET /cart 4100 4100 4100 4100 4100 4100 4100 4100

4100 4100 4100 6

-----|-----|-----|-----|-----|-----|-----|-----

Aggregated 4100 4100 4100 4100 4100 4100 4100 4100

4100 4100 4100 6

PS D:\cloud computing\PES2UG22CS013\CC_Monolith>

Sign in

localhost:8089

LOCUST

HOST

http://localhost:5000

STATUS

STOPPED

RPS

0.5

FAILURES

0%

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD

Type

Name

Requests

Fails

Median (ms)

95%ile (ms)

99%ile (ms)

Average (ms)

Min (ms)

GET

/browse

14

0

2028.83

2000

2000

2033.79

2028.83

Aggregated

14

0

2028.83

2000

2000

2033.79

2028.83

ABOUT

Windows Pow

def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt

2025-01-21T10:36:30Z

[2025-01-21 16:06:30,193] LAPTOP-HLSQJGPI/INFO/locust.main: Shutting down (exit code 0)

Type

Name

reqs

fails

Avg

Min

Max

Med

r

eq/s

failures/s

GET

/cart

6

0(0.00%)

4061

4053

4071

4071

0.21

0.00

Aggregated

6

0(0.00%)

4061

4053

4071

4071

0.21

0.00

Response time percentiles (approximated)

Type

Name

50%

66%

75%

80%

90%

95%

98%

99%

99.9%

99.99%

100%

reqs

GET

/cart

4100

4100

4100

4100

4100

4100

4100

4100

4100

4100

6

Aggregated

4100

4100

4100

4100

4100

4100

4100

4100

4100

6

PS D:\cloud computing\PES2UG22CS013\CC_Monolith> locust -f .\locust\browse-locustfile.py

[2025-01-21 16:10:14,667] LAPTOP-HLSQJGPI/INFO/locust.main: Starting Locust 2.32.6

[2025-01-21 16:10:14,667] LAPTOP-HLSQJGPI/INFO/locust.main: Starting web interface at http://localhost:8089 (accepting connections from all network interfaces)

[2025-01-21 16:10:22,202] LAPTOP-HLSQJGPI/INFO/locust.runners: Ramping to 0.1 users at a rate of 1.00 per second

[2025-01-21 16:10:22,203] LAPTOP-HLSQJGPI/INFO/locust.runners: All users spawned: {"browse": 1} (1 total users)

Sign in

localhost:8089

LOCUST

HOST

http://localhost:5000

STATUS

STOPPED

RPS

0.5

FAILURES

0%

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD

Type

Name

Requests

Fails

Median (ms)

95%ile (ms)

99%ile (ms)

Average (ms)

Min (ms)

GET

/browse

49

0

2024.83

2100

2100

2037.8

2024.83

Aggregated

49

0

2024.83

2100

2100

2037.8

2024.83

ABOUT

Windows Pow

def python_check_callback(self, watcher_ptr): # pylint:disable=unused-argument

KeyboardInterrupt

2025-01-21T10:51:31Z

[2025-01-21 16:21:31,118] LAPTOP-HLSQJGPI/INFO/locust.main: Shutting down (exit code 0)

Type

Name

reqs

fails

Avg

Min

Max

Med

r

eq/s

failures/s

GET

/cart

6

0(0.00%)

4074

4058

4084

4084

0.21

0.00

Aggregated

6

0(0.00%)

4074

4058

4084

4084

0.21

0.00

Response time percentiles (approximated)

Type

Name

50%

66%

75%

80%

90%

95%

98%

99%

99.9%

99.99%

100%

reqs

GET

/cart

4100

4100

4100

4100

4100

4100

4100

4100

4100

4100

6

Aggregated

4100

4100

4100

4100

4100

4100

4100

4100

4100

6

PS D:\cloud computing\PES2UG22CS013\CC_Monolith> locust -f .\locust\browse-locustfile.py

[2025-01-21 16:24:22,495] LAPTOP-HLSQJGPI/INFO/locust.main: Starting Locust 2.32.6

[2025-01-21 16:24:22,495] LAPTOP-HLSQJGPI/INFO/locust.main: Starting web interface at http://localhost:8089 (accepting connections from all network interfaces)

[2025-01-21 16:24:37,440] LAPTOP-HLSQJGPI/INFO/locust.runners: Ramping to 0.1 users at a rate of 1.00 per second

[2025-01-21 16:24:37,450] LAPTOP-HLSQJGPI/INFO/locust.runners: All users spawned: {"browse": 1} (1 total users)

The code was optimised so that the server can handle the more requests and can handle more load. It is optimised by removing redundant loops and empty lists.

Repo Link - <https://github.com/AMS003010/CC-Monolith>