

Ss1

The screenshot shows a web browser window with the title "Product List". The browser's address bar displays "127.0.0.1:5000/browse". The page content features a table with three columns: "Name", "Description", and "Quantity". The table lists 15 items, including Backpack, Wireless Mouse, Bluetooth Speaker, Laptop Stand, Notebook, Smartphone Case, Power Bank, Headphones, Gaming Keyboard, USB-C Hub, Fitness Tracker, Travel Mug, Desk Organizer, External Hard Drive, Wireless Charger, and Digital Camera. Each item has a corresponding description and a quantity value.

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

Ss2

The screenshot shows a web browser window with the title "Unable to connect". The browser's address bar displays "127.0.0.1:5000/checkout". A message at the top of the page states: "You must log in to this network before you can access the internet. Open network login page". Below this, the main content area displays the error message "Unable to connect" and a detailed description: "Firefox can't establish a connection to the server at 127.0.0.1:5000." The error message is followed by a list of troubleshooting steps: "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.", and "If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the web." A "Try Again" button is located at the bottom right of the error message.

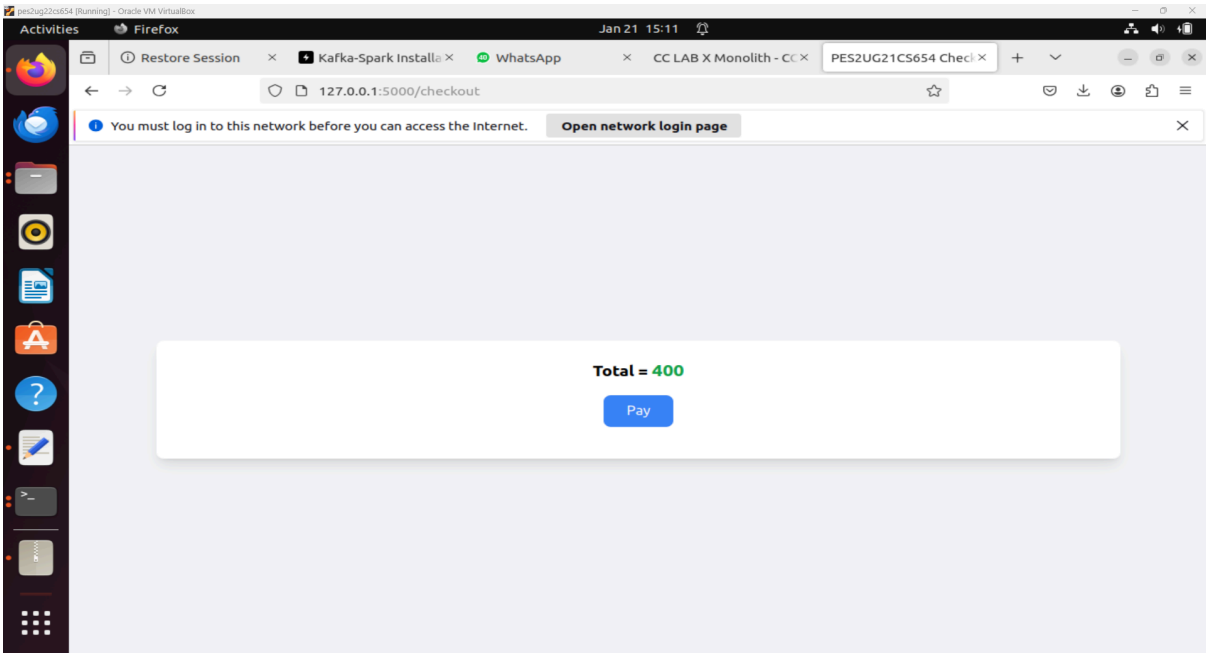
Unable to connect

Firefox can't establish a connection to the server at 127.0.0.1:5000.

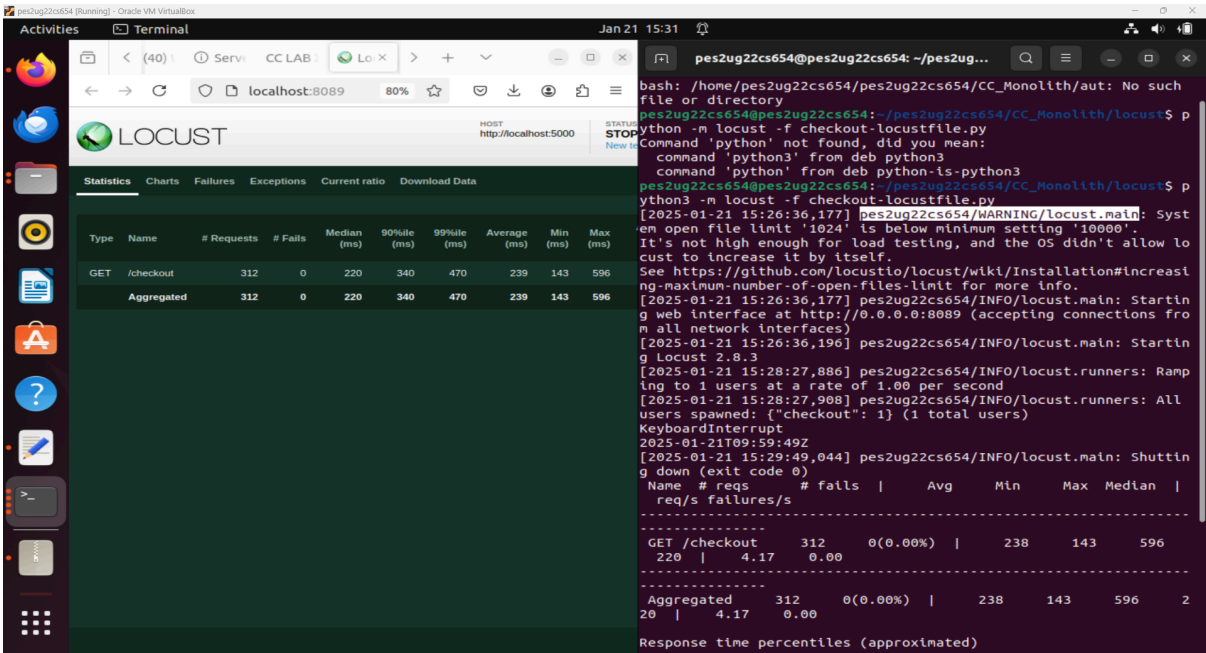
- The site could be temporarily unavailable or too busy. Try again in a few moments.
- If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the web.

[Try Again](#)

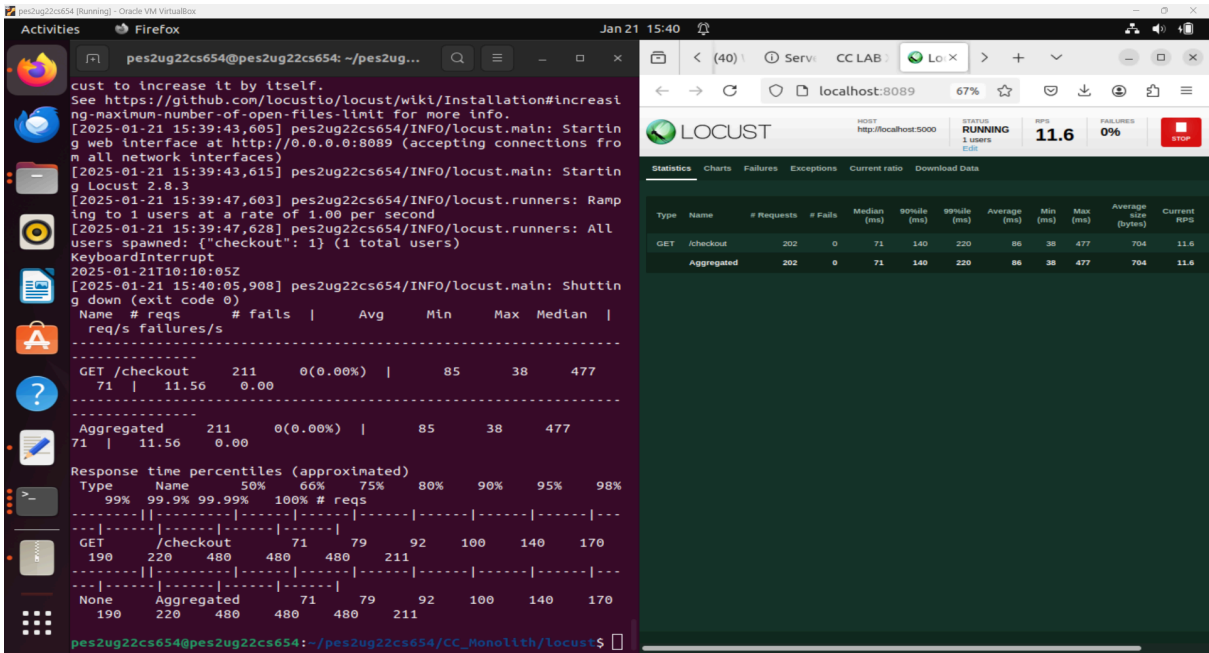
Ss3



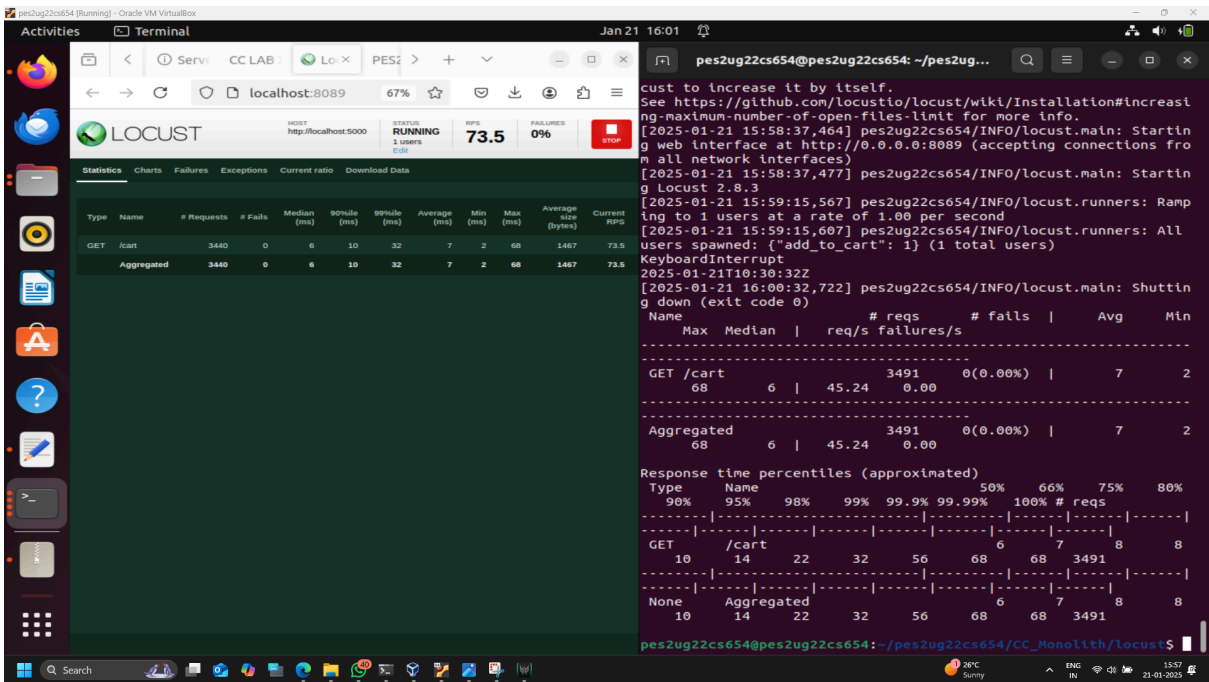
Ss4



Ss5



Ss6



Ss7

```
pes2ug22cs654 [Running] - Oracle VM VirtualBox
Activities Terminal Jan 21 16:06
pes2ug22cs654@pes2ug22cs654: ~/pes2ug22cs654/CC_Monolith/locust

Aggregated 3491 0(0.00%) | 7 2 68 6 | 45.24 0.00

Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.99% 100% # reqs
GET /cart 6 7 8 8 10 14 22 32 56 68 68 3491
None Aggregated 6 7 8 8 10 14 22 32 56 68 68 3491

pes2ug22cs654@pes2ug22cs654:~/pes2ug22cs654/CC_Monolith/locust$ python3 -m locust -f get-cart-locustfile.py
[2025-01-21 16:02:42,867] pes2ug22cs654/INFO/locust.main: System open file limit '1024' is below minimum setting '10000'.
It's not high enough for load testing, and the OS didn't allow locust to increase it by itself.
See https://github.com/locustio/locust/wiki/Installation#increasing-maximum-number-of-open-files-limit for more info.
[2025-01-21 16:02:42,868] pes2ug22cs654/INFO/locust.main: Starting web interface at http://0.0.0.0:8089 (accepting connections from
all network interfaces)
[2025-01-21 16:02:42,883] pes2ug22cs654/INFO/locust.main: Starting Locust 2.8.3
[2025-01-21 16:02:48,206] pes2ug22cs654/INFO/locust.runners: Ramping to 1 users at a rate of 1.00 per second
[2025-01-21 16:02:48,327] pes2ug22cs654/INFO/locust.runners: All users spawned: {"add_to_cart": 1} (1 total users)
KeyboardInterrupt
2025-01-21T10:33:15Z
[2025-01-21 16:03:15,149] pes2ug22cs654/INFO/locust.main: Shutting down (exit code 0)

Name # reqs # fails | Avg Min Max Median | req/s failures/s
GET /cart 3221 0(0.00%) | 7 2 111 6 | 119.59 0.00
Aggregated 3221 0(0.00%) | 7 2 111 6 | 119.59 0.00

Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99.9
GET /cart 6 7 8 8 11 17 26 32 75 1
None Aggregated 6 7 8 8 11 17 26 32 75 1

pes2ug22cs654@pes2ug22cs654:~/pes2ug22cs654/CC_Monolith/locust$ S
```

Ss8

```
pes2ug22cs654 [Running] - Oracle VM VirtualBox
Activities Firefox Jan 21 16:08
pes2ug22cs654@pes2ug22cs654: ~/pes2ug...

[2025-01-21 16:07:47,530] pes2ug22cs654/INFO/locust.runners: Ramp
ing to 1 users at a rate of 1.00 per second
[2025-01-21 16:07:47,531] pes2ug22cs654/INFO/locust.runners: All
users spawned: {"browse": 1} (1 total users)
KeyboardInterrupt
2025-01-21T10:38:20Z
[2025-01-21 16:08:20,059] pes2ug22cs654/INFO/locust.main: Shuttin
g down (exit code 0)

Name # fails | Avg Min Max Median | req/s failures/
s
GET /browse 4 1 100 4 | 184.32 0.00
Aggregated 4 1 100 4 | 184.32 0.00

Response time percentiles (approximated)
Type Name 50% 66% 75% 80% 90% 95% 98% 99% 99.9% 99
GET /browse 4 5 7 10 19 28 54
None Aggregated 4 5 7 10 19 28 54

pes2ug22cs654@pes2ug22cs654:~/pes2ug22cs654/CC_Monolith/locust$
```

LOCUST

HOST http://localhost:5000

STATUS RUNNING 1 users

RPS 218.2

FAILURES 0%

Statistics Charts Failures Exceptions Current ratio Download Data

Type	Name	# Requests	# Fails	Median (ms)	90thile (ms)	99thile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS
GET	/browse	5556	0	4	7	28	5	2	100	9534	218.2
Aggregated		5556	0	4	7	28	5	2	100	9534	218.2