

# CC Lab – 3

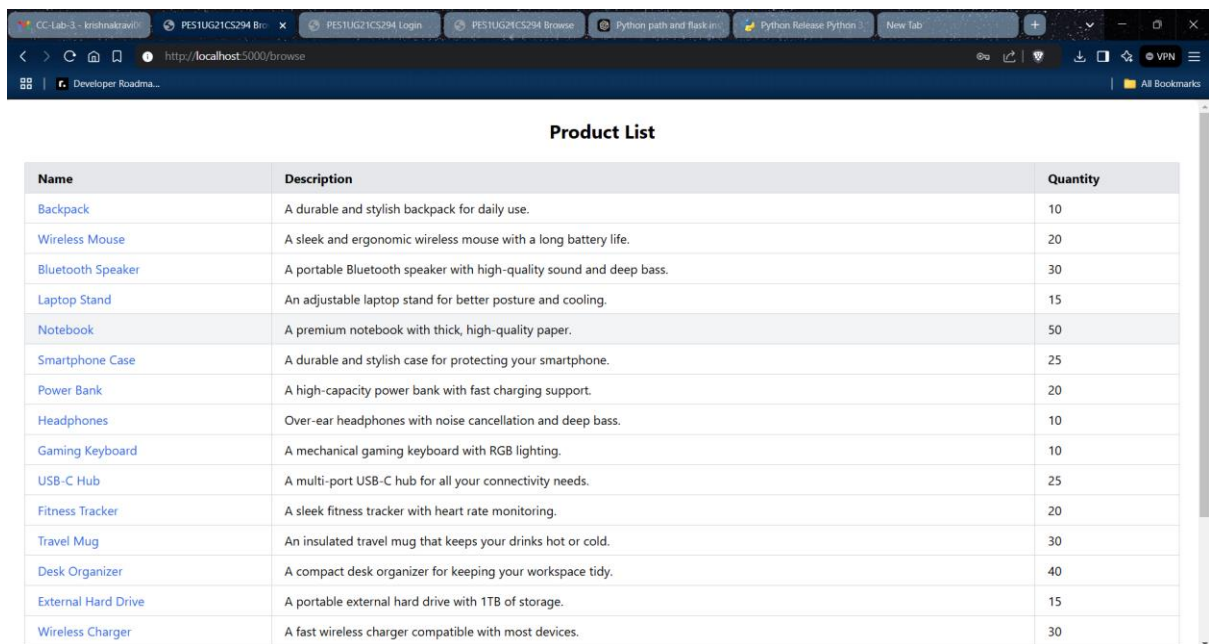
Name: Krishna K R

SRN: PES1UG22CS294

Section: E

Screenshots:

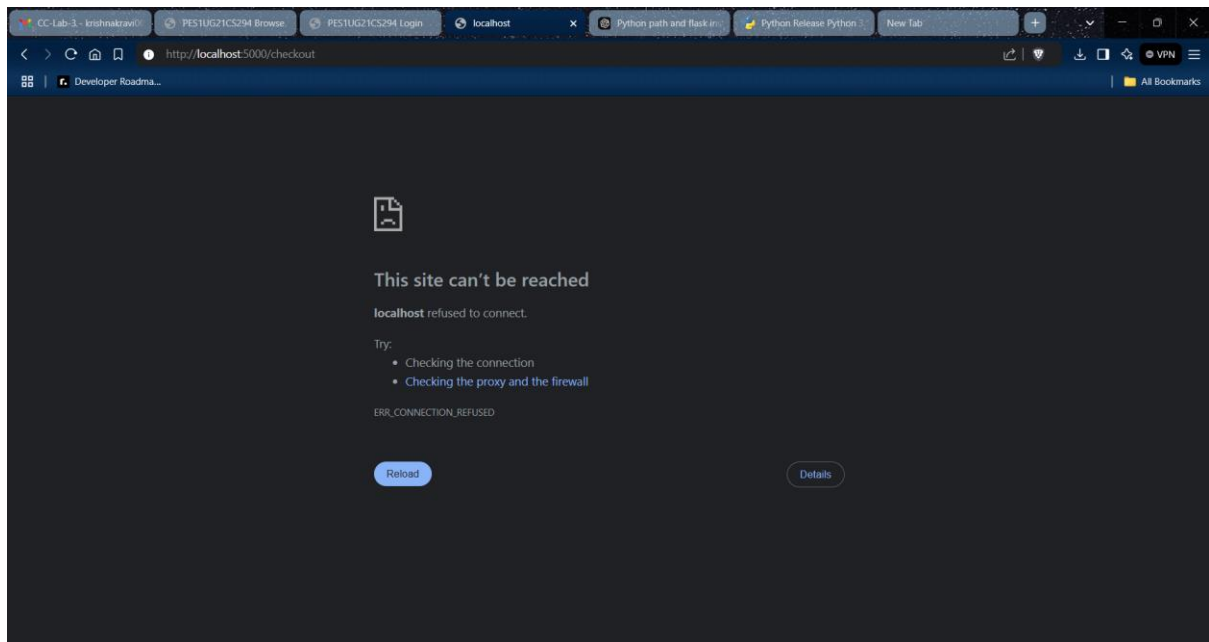
ss1:



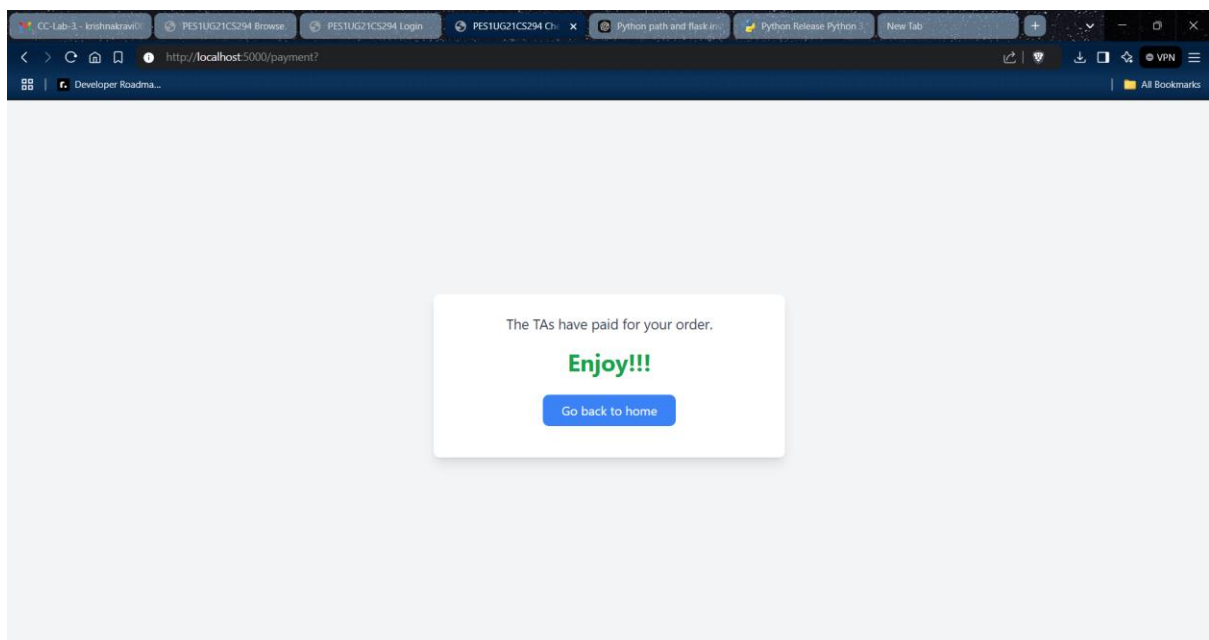
The screenshot shows a web browser window with multiple tabs. The active tab is titled 'http://localhost:5000/browse'. The browser's address bar shows the URL. Below the browser window, a table titled 'Product List' is displayed. The table has three columns: 'Name', 'Description', and 'Quantity'. It lists 15 different products, each with a brief 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

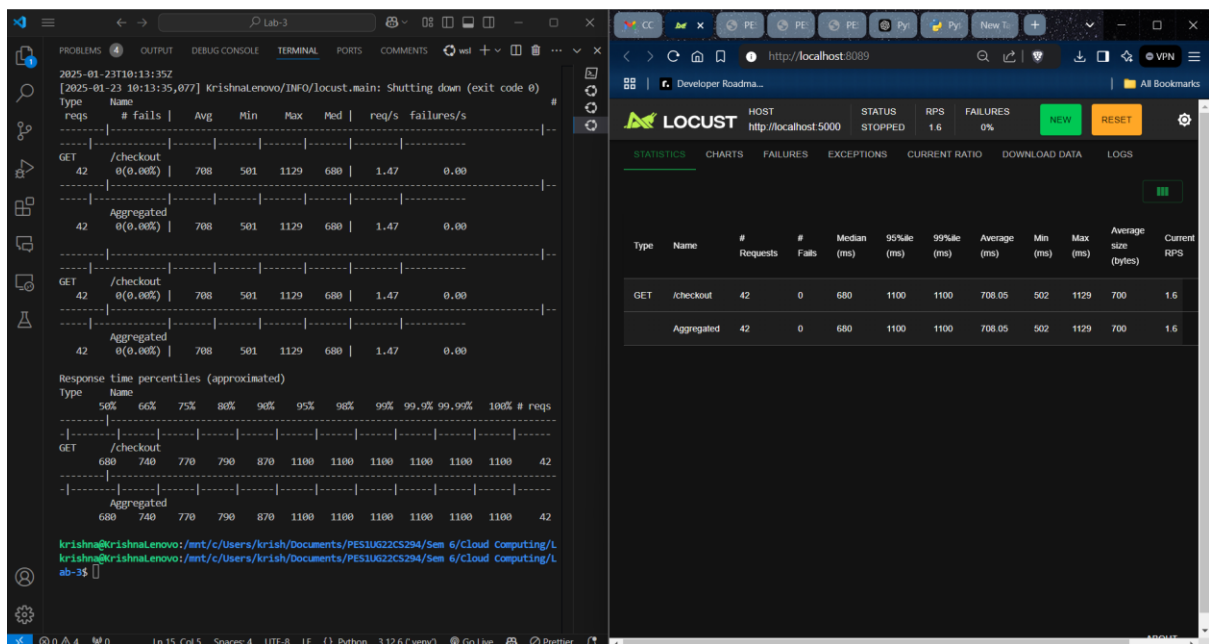
ss2:



ss3:

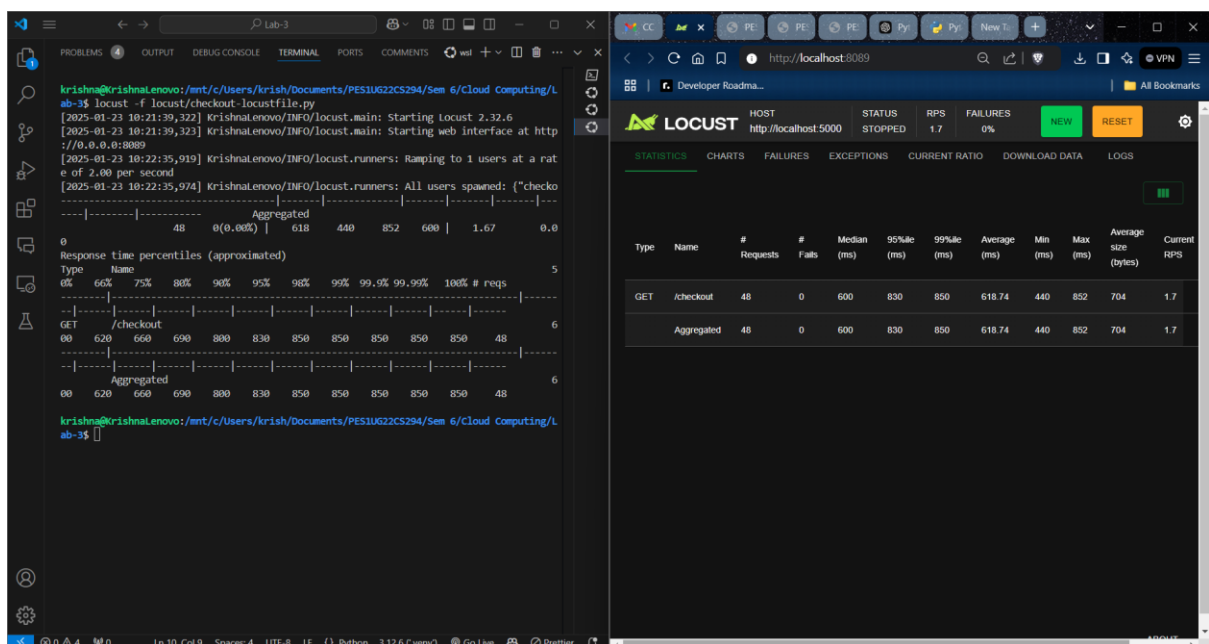


ss4:



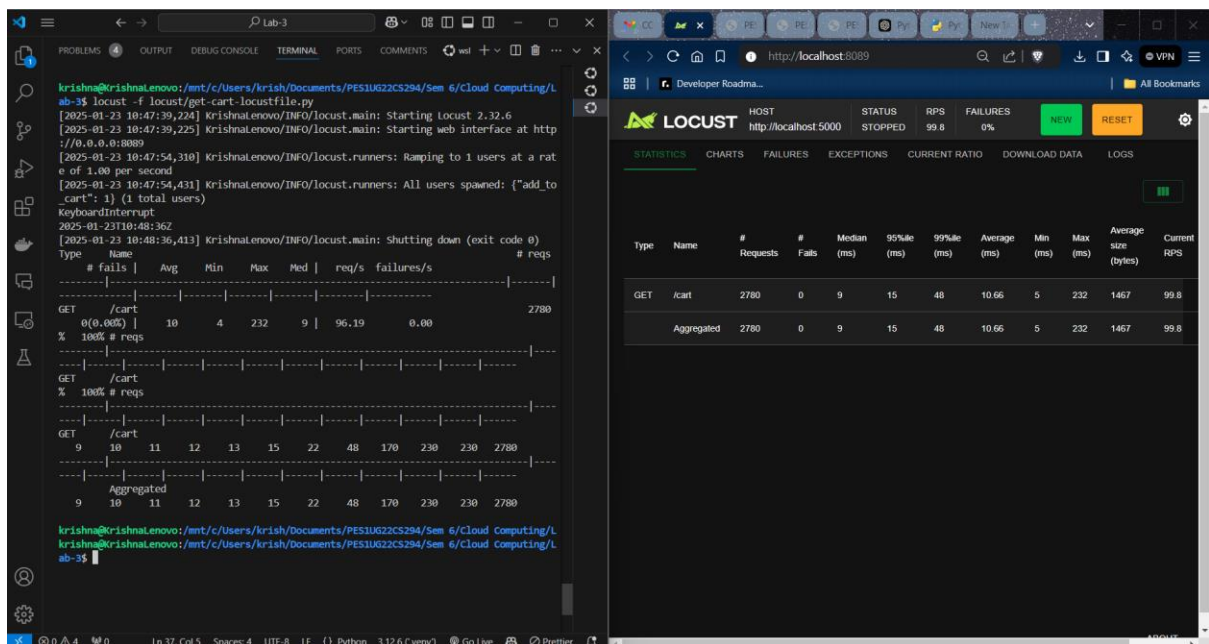
ss5:

(after optimising init.py)



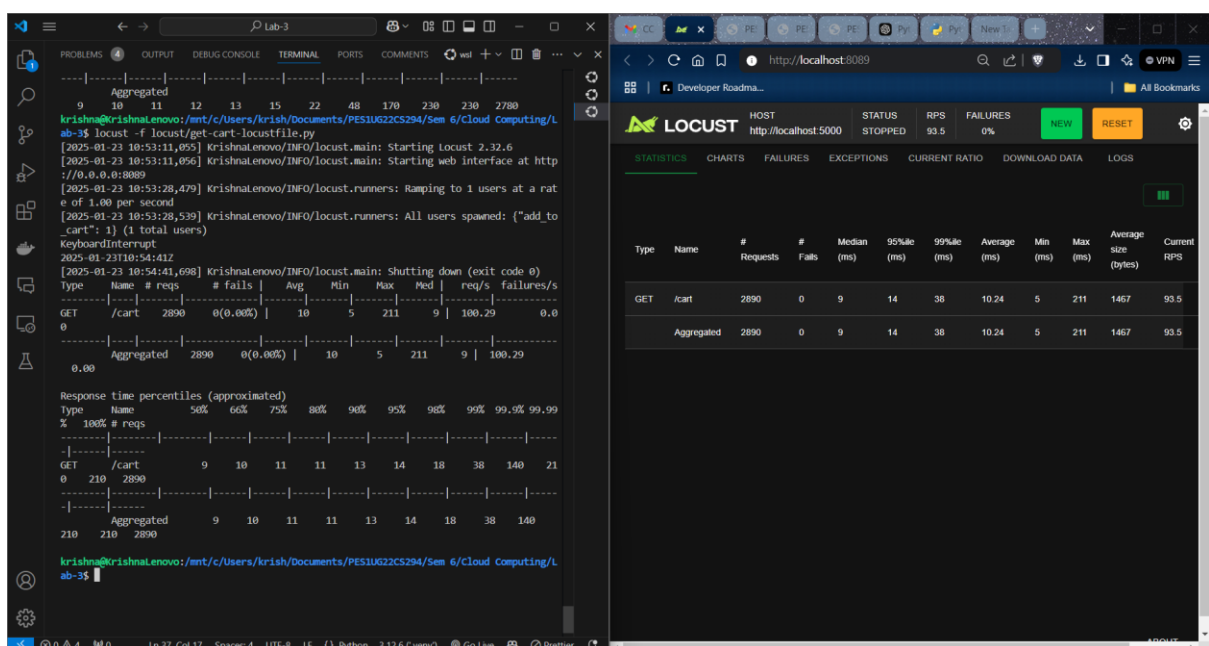
ss6:

before cart optimisation:



ss7:

after cart optimisation:



ss8:

before browse optimisation:

The terminal output shows the Locust test execution. The test starts at 2025-01-23 10:59:28,105. The test is configured with a ramping rate of 1 user per second. The test results show that the 'browse' endpoint is being tested with 1 user. The test results show that the 'browse' endpoint is being tested with 1 user.

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS
GET	/browse	1252	0	22	33	91	23.89	10	141	9534	38.4
Aggregated		1252	0	22	33	91	23.89	10	141	9534	38.4

ss9:

after browse optimisation:

The terminal output shows the Locust test execution after optimization. The test starts at 2025-01-23 11:09:11,934. The test is configured with a ramping rate of 1 user per second. The test results show that the 'browse' endpoint is being tested with 1 user. The test results show that the 'browse' endpoint is being tested with 1 user.

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS
GET	/browse	4273	0	6	10	28	6.94	3	171	9534	154.6
Aggregated		4273	0	6	10	28	6.94	3	171	9534	154.6

