CC Lab

Lab 2 - Submission

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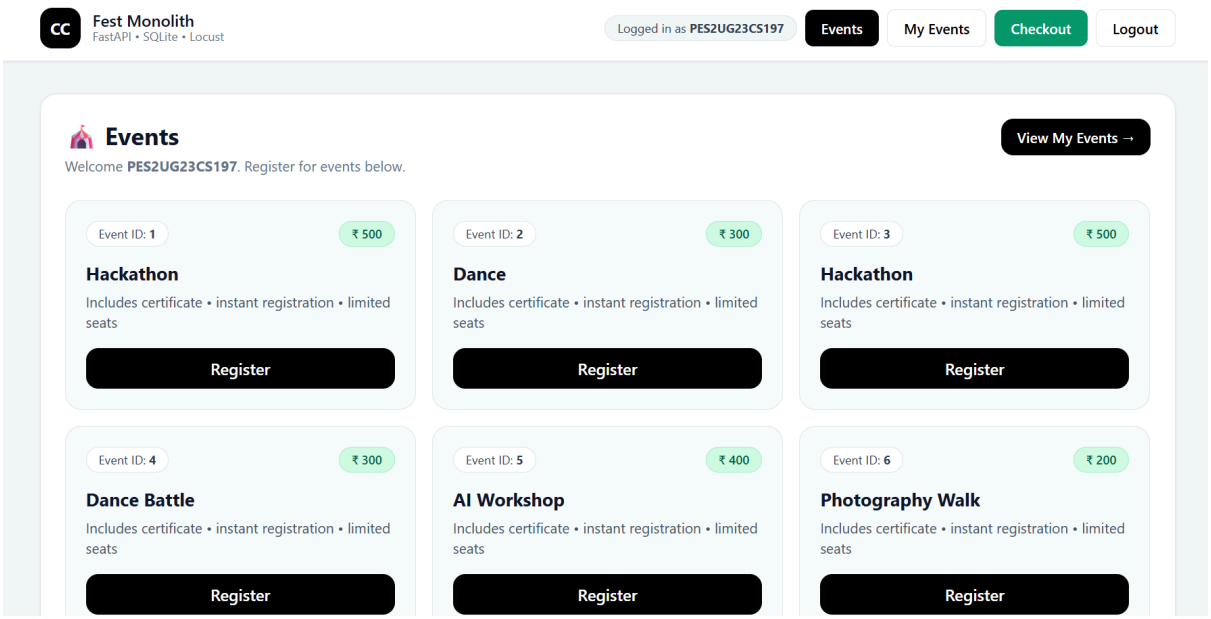
Branch: CSE

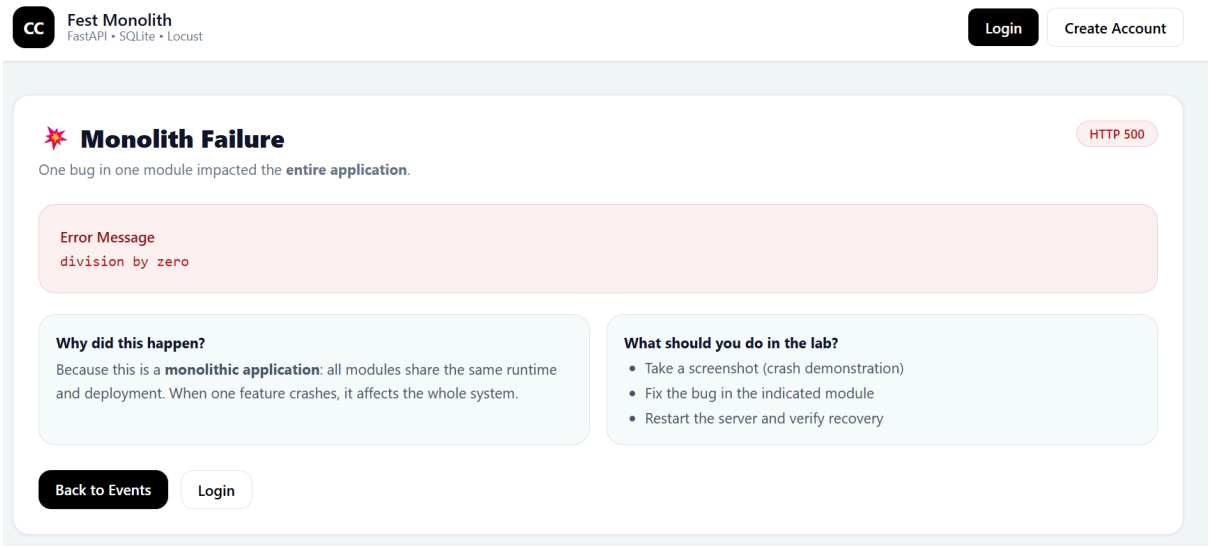
Sem: 6

Section: C

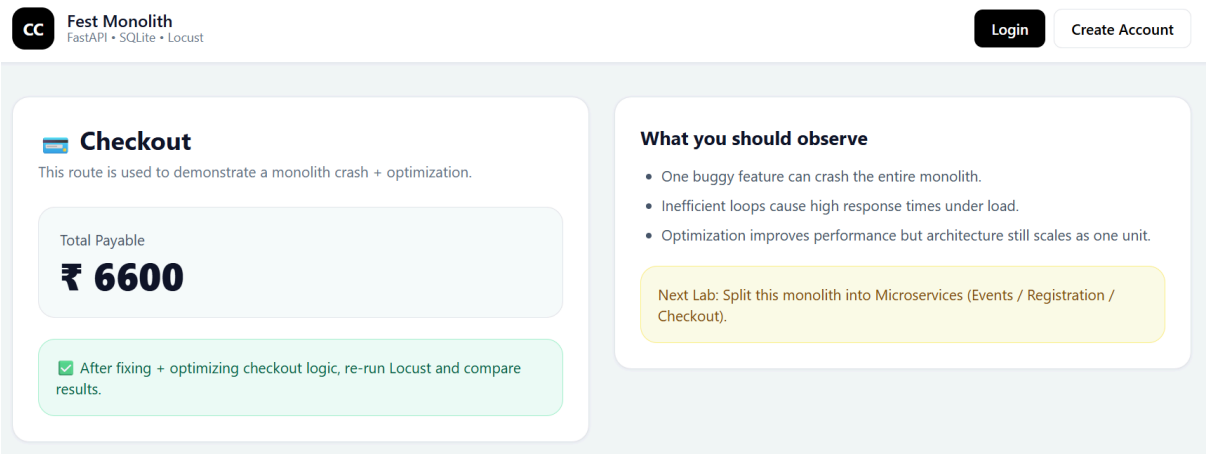
SS1:



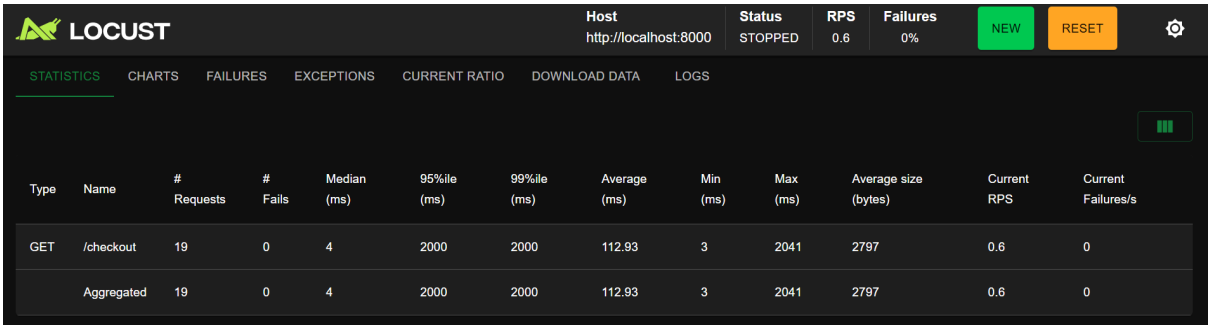
SS2:



SS3:



SS4:

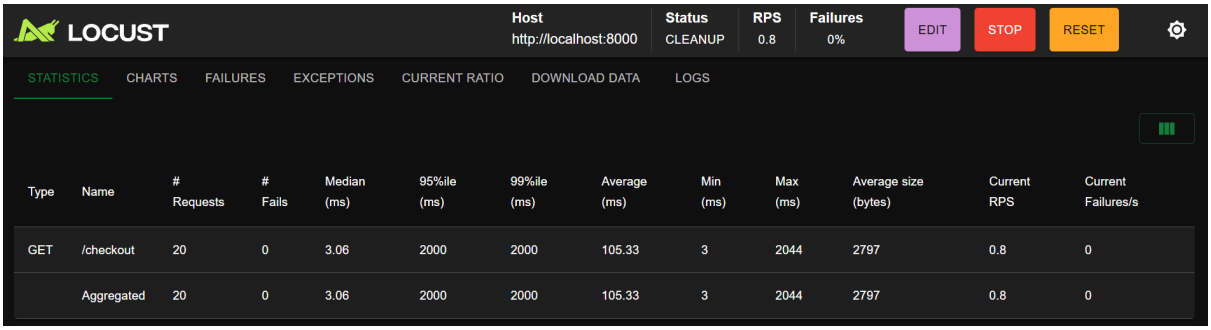


Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/checkout	19	0	4	2000	2000	112.93	3	2041	2797	0.6	0
	Aggregated	19	0	4	2000	2000	112.93	3	2041	2797	0.6	0

```
KeyboardInterrupt
2026-01-20T09:13:29Z
[2026-01-20 14:43:29,154] DESKTOP-QO6NKIK/INFO/locust.main: Shutting down (exit code 0)
Type     Name                          # reqs      # fails |    Avg     Min     Max    Med |   req/s  failures/s
--------|----------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
GET      /checkout                       19     0(0.00%) |    112       3    2041      4 |    0.65        0.00
--------|----------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
         Aggregated                      19     0(0.00%) |    112       3    2041      4 |    0.65        0.00

Response time percentiles (approximated)
Type     Name                                50%    66%    75%    80%    90%    95%    98%    99%  99.9% 99.99%   100% # reqs
--------|----------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
GET      /checkout                         4      4      4      4     42   2000   2000   2000   2000   2000   2000     19
--------|----------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
         Aggregated                        4      4      4      4     42   2000   2000   2000   2000   2000   2000     19
```

SS5:

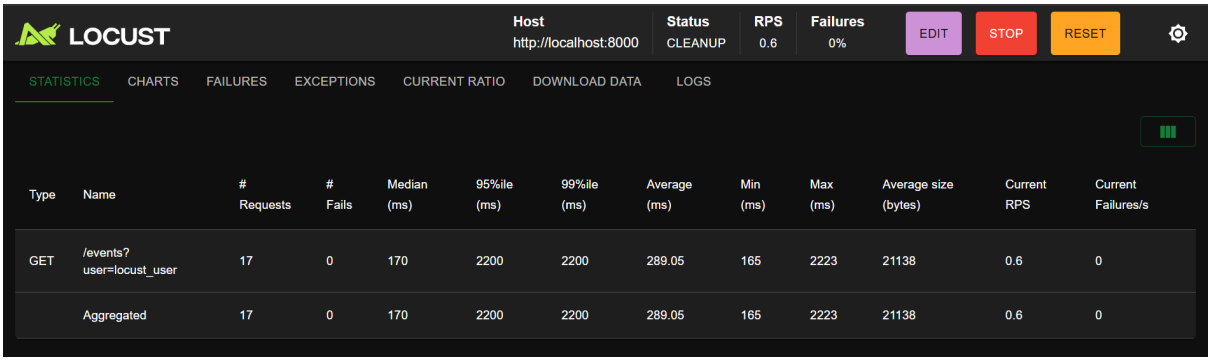


Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/checkout	20	0	3.06	2000	2000	105.33	3	2044	2797	0.8	0
	Aggregated	20	0	3.06	2000	2000	105.33	3	2044	2797	0.8	0

```
KeyboardInterrupt
2026-01-20T09:25:45Z
[2026-01-20 14:55:45,483] DESKTOP-QO6NKIK/INFO/locust.main: Shutting down (exit code 0)
Type     Name                                                                          # reqs      # fails |    Avg     Min     Max    Med |   req/s  failures/s
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
GET      /checkout                                                                        20     0(0.00%) |    105       3    2043      3 |    0.69        0.00
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
         Aggregated                                                                       20     0(0.00%) |    105       3    2043      3 |    0.69        0.00

Response time percentiles (approximated)
Type     Name                                                                                 50%    66%    75%    80%    90%    95%    98%    99%  99.9% 99.99%   100% # reqs
--------|-----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
GET      /checkout                                                                            3      3      3      4      4   2000   2000   2000   2000   2000   2000     20
--------|-----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
         Aggregated                                                                           3      3      3      4      4   2000   2000   2000   2000   2000   2000     20
```

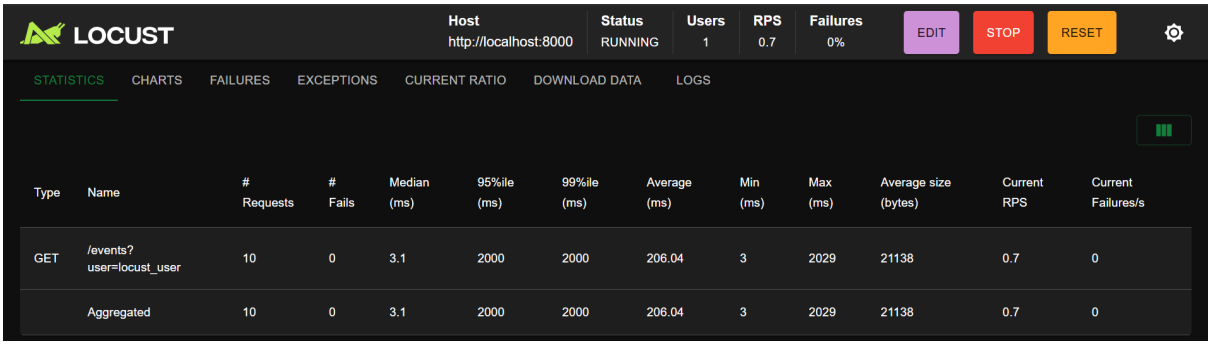
SS6:




```
KeyboardInterrupt
2026-01-20T09:29:26Z
[2026-01-20 14:59:26,801] DESKTOP-QO6NKIK/INFO/locust.main: Shutting down (exit code 0)
Type     Name                          # reqs      # fails |    Avg     Min     Max    Med |   req/s  failures/s
--------|-----------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
GET      /events?user=locust_user          17     0(0.00%) |    289     165    2222    170 |    0.60        0.00
--------|-----------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
         Aggregated                        17     0(0.00%) |    289     165    2222    170 |    0.60        0.00

Response time percentiles (approximated)
Type     Name                                50%    66%    75%    80%    90%    95%    98%    99%  99.9% 99.99%   100% # reqs
--------|----------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
GET      /events?user=locust_user            170    170    170    170    170   2200   2200   2200   2200   2200   2200     17
--------|----------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
         Aggregated                          170    170    170    170    170   2200   2200   2200   2200   2200   2200     17
```

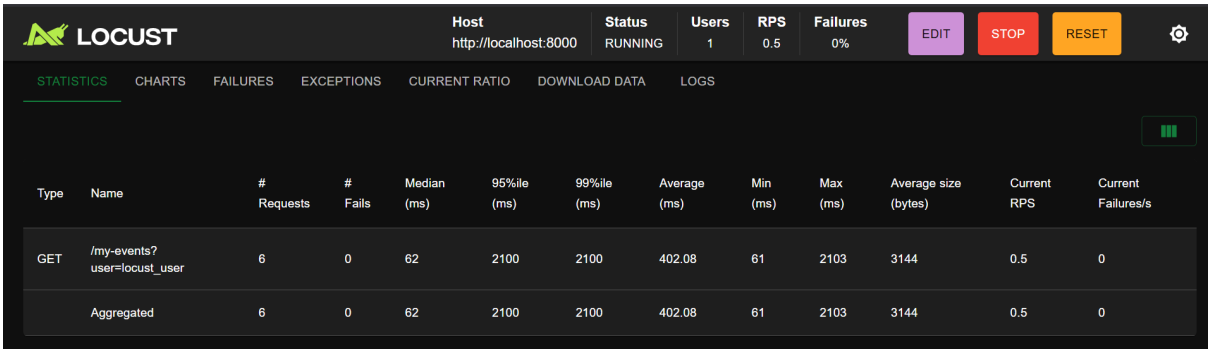
SS7:



```
KeyboardInterrupt
2026-01-20T09:41:33Z
[2026-01-20 15:11:33,960] DESKTOP-QO6NKIK/INFO/locust.main: Shutting down (exit code 0)
Type     Name                                                                          # reqs      # fails |    Avg     Min     Max    Med |   req/s  failures/s
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
GET      /events?user=locust_user                                                        11     0(0.00%) |    187       3    2028      3 |    0.64        0.00
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
         Aggregated                                                                      11     0(0.00%) |    187       3    2028      3 |    0.64        0.00

Response time percentiles (approximated)
Type     Name                                                                                 50%    66%    75%    80%    90%    95%    98%    99%  99.9% 99.99%   100% # reqs
--------|----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
GET      /events?user=locust_user                                                             3      4      4      4      4   2000   2000   2000   2000   2000   2000     11
--------|----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
         Aggregated                                                                           3      4      4      4      4   2000   2000   2000   2000   2000   2000     11
```

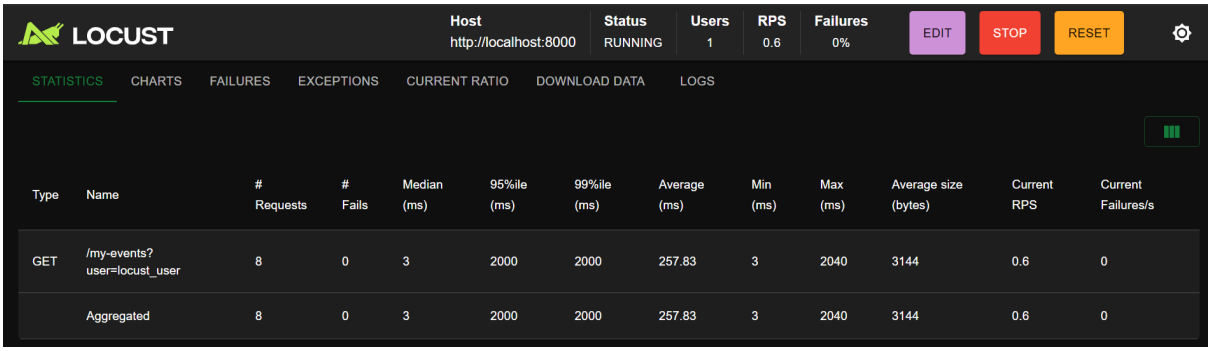
SS8:




```
KeyboardInterrupt
2026-01-20T09:44:56Z
[2026-01-20 15:14:56,892] DESKTOP-QO6NKIK/INFO/locust.main: Shutting down (exit code 0)
Type     Name                                                                          # reqs      # fails |    Avg     Min     Max    Med |   req/s  failures/s
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
GET      /my-events?user=locust_user                                                      7     0(0.00%) |    353      61    2103     62 |    0.65        0.00
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
         Aggregated                                                                       7     0(0.00%) |    353      61    2103     62 |    0.65        0.00

Response time percentiles (approximated)
Type     Name                                                                                 50%    66%    75%    80%    90%    95%    98%    99%  99.9% 99.99%   100% # reqs
--------|----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
GET      /my-events?user=locust_user                                                         62     63     63     63   2100   2100   2100   2100   2100   2100   2100      7
--------|----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
         Aggregated                                                                          62     63     63     63   2100   2100   2100   2100   2100   2100   2100      7
```

SS9:




```
KeyboardInterrupt
2026-01-20T09:46:45Z
[2026-01-20 15:16:45,254] DESKTOP-QO6NKIK/INFO/locust.main: Shutting down (exit code 0)
Type     Name                                                                          # reqs      # fails |    Avg     Min     Max    Med |   req/s  failures/s
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
GET      /my-events?user=locust_user                                                      9     0(0.00%) |    229       2    2039      3 |    0.58        0.00
--------|-----------------------------------------------------------------------------|-------|-------------|-------|-------|-------|-------|--------|-----------
         Aggregated                                                                       9     0(0.00%) |    229       2    2039      3 |    0.58        0.00

Response time percentiles (approximated)
Type     Name                                                                                 50%    66%    75%    80%    90%    95%    98%    99%  99.9% 99.99%   100% # reqs
--------|----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
GET      /my-events?user=locust_user                                                          3      3      3      4   2000   2000   2000   2000   2000   2000   2000      9
--------|----------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------
         Aggregated                                                                           3      3      3      4   2000   2000   2000   2000   2000   2000   2000      9
```

Questions:

1) What was the bottleneck?

Unnecessary loops that were wasting memory.

2) What change did you make?

Removed the unnecessary loops.

3) Why did the performance improve?

Loops that were wasting memory were removed.
