

## Performance Testing

Team ID	PNT2022TMID04644
Project Name	Personal Expense Tracker
Maximum Marks	30 Marks

### Locust Load Test

#### Locust Test Report

During: 11/19/2022, 3:50:54 PM - 11/19/2022, 3:51:57 PM

Target Host: http://localhost:5000/api

Script: test.py

[Download the Report](#)

#### Request Statistics

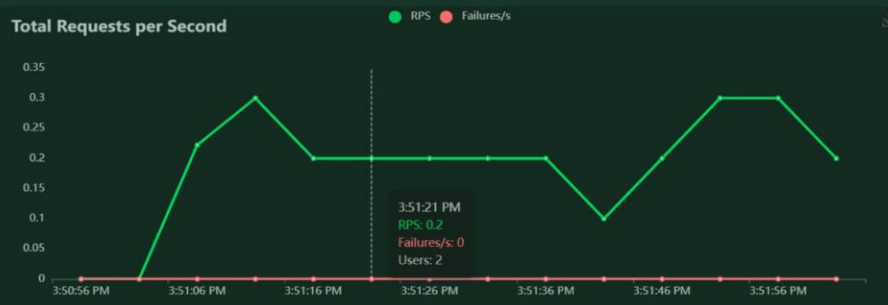
Method	Name	# Requests	# Fails	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	RPS	Failures/s
GET	/api/budget	9	0	2667	2560	2899	60	0.1	0.0
GET	/api/transaction	5	0	2678	2574	2928	60	0.1	0.0
Aggregated		14	0	2671	2560	2928	60	0.2	0.0

#### Response Time Statistics

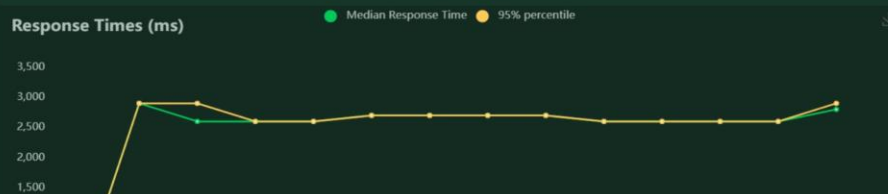
Method	Name	50%ile (ms)	60%ile (ms)	70%ile (ms)	80%ile (ms)	90%ile (ms)	95%ile (ms)	99%ile (ms)	100%ile (ms)
GET	/api/budget	2600	2600	2700	2800	2900	2900	2900	2900
GET	/api/transaction	2600	2700	2700	2900	2900	2900	2900	2900
Aggregated		2600	2600	2700	2800	2900	2900	2900	2900

#### Charts

##### Total Requests per Second



##### Response Times (ms)



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Type	Name	Request C	Failure C	Median Re	Average R	Min Respo	Max Respo	Average C	Requests/s	Failures/s	50%	66%	75%	80%	90%	95%	98%	99%	99.90%	99.99%	100%	
2	GET	/api/budget	9	0	2600	2667.621	2560.681	2899.862	60	0.141371	0	2600	2600	2700	2800	2900	2900	2900	2900	2900	2900	2900	
3	GET	/api/transaction	5	0	2600	2678.676	2574.646	2928.723	60	0.07854	0	2600	2700	2700	2900	2900	2900	2900	2900	2900	2900	2900	
4		Aggregated	14	0	2600	2671.569	2560.681	2928.723	60	0.219911	0	2600	2700	2700	2800	2900	2900	2900	2900	2900	2900	2900	
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
25																							

requests.1668853344.0009782

```

test.py  transactions.py M
Final Deliverables > backend-flask-api > test.py > MainClassTest
1  import time
2  from locust import HttpUser, TaskSet, task, between
3
4  class SubClassTest(TaskSet):
5
6      @task
7      def main_page(self):
8          self.client.headers = {'Authorization': 'Token 2603a281-4074-4fe9-b634-e1258e78e085'}
9          self.client.get('/transaction')
10
11      @task(2)
12      def perihai_page(self):
13          self.client.headers = {'Authorization': 'Token 2603a281-4074-4fe9-b634-e1258e78e085'}
14          self.client.get('/budget')
15
16
17  class MainClassTest(HttpUser):
18      tasks = [SubClassTest]
19      wait_time = between(5, 10)

```

PROBLEMS OUTPUT DEBUG CONSOLE GITLENS TERMINAL JUPYTER

```

$ locust -f test.py
[2022-11-19 15:44:35,806] LAPTOP-6KU7KQHB/INFO/locust.main: Starting web interface at http://0.0.0.0:8089 (accepting connections from all network interfaces)
[2022-11-19 15:44:35,867] LAPTOP-6KU7KQHB/INFO/locust.main: Starting Locust 2.13.0
[2022-11-19 15:50:54,188] LAPTOP-6KU7KQHB/INFO/locust.runners: Ramping to 2 users at a rate of 1.00 per second
[2022-11-19 15:50:55,203] LAPTOP-6KU7KQHB/INFO/locust.runners: All users spawned: MainClassTest : 2 (2 total)

```

Ln 19, Col 31 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit Pos 543 Go Live Prettier