

# **Software Engineering (IT314)**



**Group No : 28**

**Project Name : Ecommerce Price Comparison**

## **Non Functional Testing**

1. Performance Testing
  - 1.1 Root Page of The Website
  - 1.2 View Search History
  - 1.3 Compare Product By Two Store Name
  - 1.4 Forgot Password
2. Responsiveness Testing

# 1. Performance Testing

## 1.1 Root Page of Website

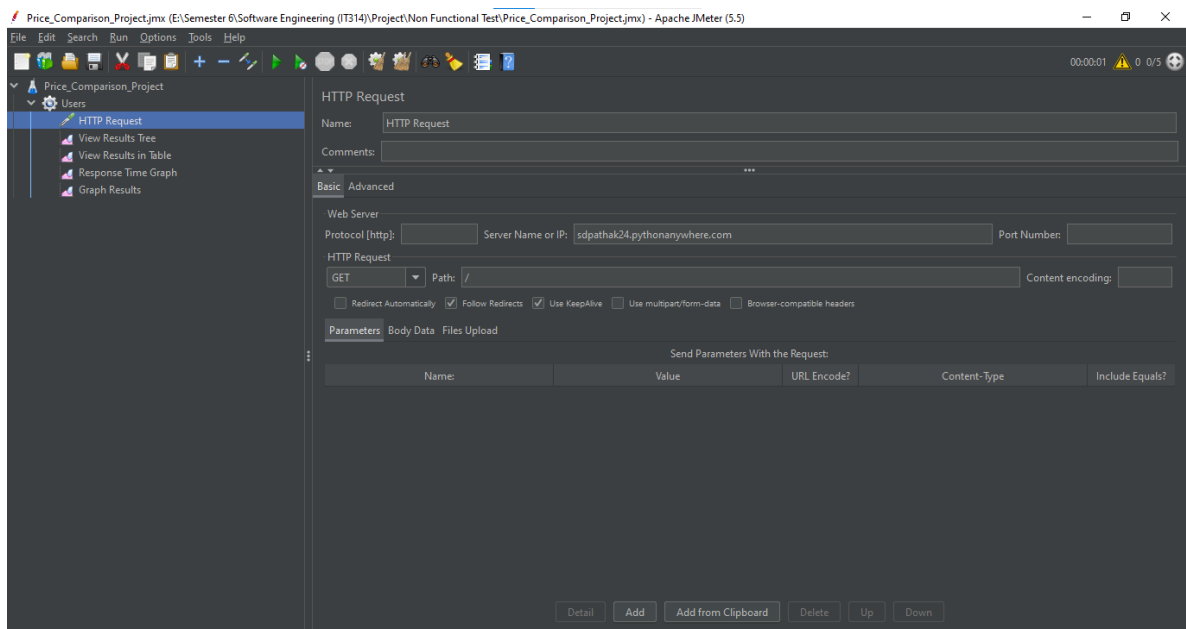
### 1.1.1 Method : Get

Number of Users : 5

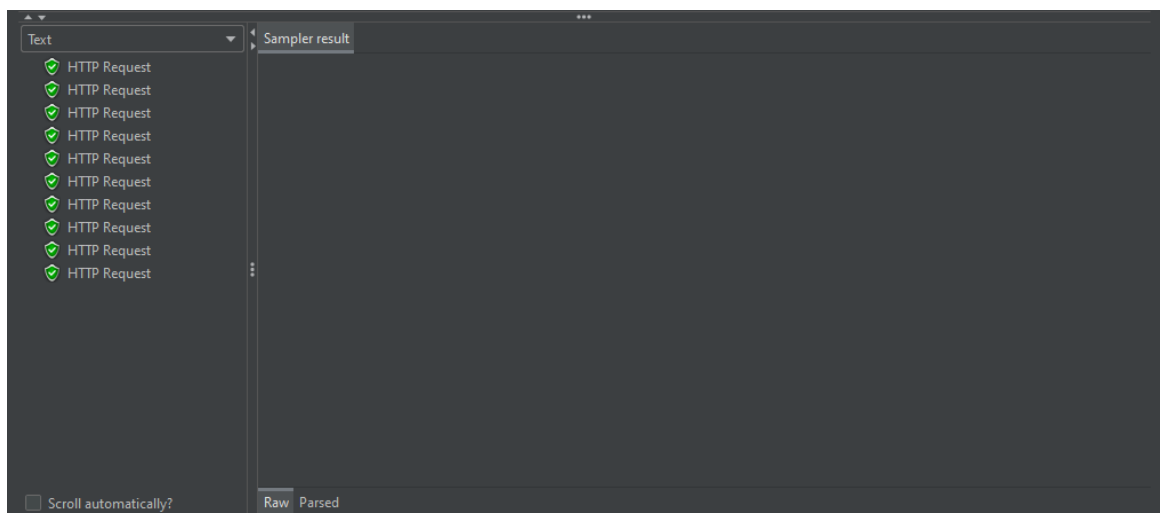
Ramp Up Period : 1 second

Loop Count : 2

### ● HTTP Request



### ● Results in Tree



- **Results in Table**

| Sample #  | Start Time   | Thread Name | Label        | Sample Time(...) | Status | Bytes | Sent Bytes | Latency | Connect Time(...) |
|---|--------------|-------------|--------------|------------------|--------|-------|------------|---------|-------------------|
| 1   | 10:52:40.509 | Users 1-1   | HTTP Request | 553              |        | 1059  | 134        | 553     | 28                |
| 2   | 10:52:40.718 | Users 1-2   | HTTP Request | 461              |        | 1059  | 134        | 461     | 4                 |
| 3   | 10:52:41.063 | Users 1-1   | HTTP Request | 224              |        | 1059  | 134        | 224     | 0                 |
| 4   | 10:52:40.918 | Users 1-3   | HTTP Request | 426              |        | 1059  | 134        | 426     | 4                 |
| 5   | 10:52:41.179 | Users 1-2   | HTTP Request | 222              |        | 1059  | 134        | 222     | 0                 |
| 6   | 10:52:41.345 | Users 1-3   | HTTP Request | 225              |        | 1059  | 134        | 225     | 0                 |
| 7   | 10:52:41.121 | Users 1-4   | HTTP Request | 489              |        | 1059  | 134        | 489     | 57                |
| 8   | 10:52:41.310 | Users 1-5   | HTTP Request | 472              |        | 1059  | 134        | 472     | 7                 |
| 9   | 10:52:41.611 | Users 1-4   | HTTP Request | 221              |        | 1059  | 134        | 221     | 0                 |
| 10  | 10:52:41.783 | Users 1-5   | HTTP Request | 226              |        | 1059  | 134        | 226     | 0                 |
|   |              |             |              |                  |        |       |            |         |                   |
| <div><input type="checkbox"/> Scroll automatically?    <input type="checkbox"/> Child samples?</div> <div>No of Samples 10      Latest Sample 226      Average 351      Deviation 131</div> |              |             |              |                  |        |       |            |         |                   |

## ● Overall Graph Results



## 1.1.2 Method : Get

Number of Users : 400

Ramp Up Period : 5 second

Loop Count : 1

### ● Results in Tree

The screenshot shows the JMeter Results Tree. On the left, a list of 16 'Home Page' samples is displayed, each with a green checkmark icon. The 11th sample is selected. On the right, the 'Sampler result' tab is active, showing details for the selected sample:

- Thread Name: Users 1-248
- Sample Start: 2023-04-28 16:55:45 IST
- Load time: 446
- Connect Time: 12
- Latency: 446
- Size in bytes: 1058
- Sent bytes: 134
- Headers size in bytes: 288
- Body size in bytes: 770
- Sample Count: 1
- Error Count: 0
- Data type ("text"/"bin"/""): text
- Response code: 200
- Response message: OK

Below these details, the 'HTTPSampleResult fields' are listed:

- ContentType: text/html; charset=utf-8
- DataEncoding: utf-8

At the bottom, there are tabs for 'Raw' and 'Parsed' data.

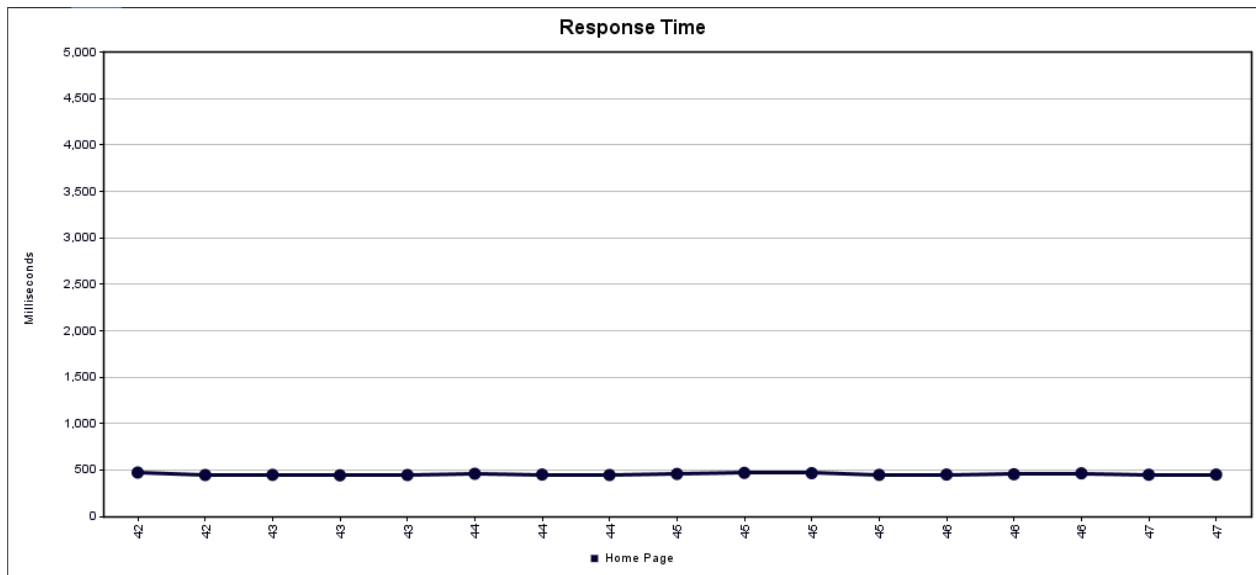
### ● Results in Table

| Sample # | Start Time   | Thread Name | Label     | Sample Time(...) | Status | Bytes | Sent Bytes | Latency | Connect Time(...) |
|----------|--------------|-------------|-----------|------------------|--------|-------|------------|---------|-------------------|
| 381      | 16:55:47.574 | Users 1-383 | Home Page | 439              | ✓      | 1058  | 134        | 439     | 4                 |
| 382      | 16:55:47.549 | Users 1-381 | Home Page | 464              | ✓      | 1058  | 134        | 464     | 4                 |
| 383      | 16:55:47.588 | Users 1-384 | Home Page | 428              | ✓      | 1058  | 134        | 428     | 6                 |
| 384      | 16:55:47.560 | Users 1-382 | Home Page | 464              | ✓      | 1058  | 134        | 464     | 2                 |
| 385      | 16:55:47.626 | Users 1-387 | Home Page | 442              | ✓      | 1058  | 134        | 442     | 3                 |
| 386      | 16:55:47.600 | Users 1-385 | Home Page | 490              | ✓      | 1058  | 134        | 490     | 3                 |
| 387      | 16:55:47.614 | Users 1-386 | Home Page | 476              | ✓      | 1058  | 134        | 476     | 3                 |
| 388      | 16:55:47.640 | Users 1-388 | Home Page | 450              | ✓      | 1058  | 134        | 450     | 3                 |
| 389      | 16:55:47.652 | Users 1-389 | Home Page | 438              | ✓      | 1058  | 134        | 438     | 2                 |
| 390      | 16:55:47.666 | Users 1-390 | Home Page | 440              | ✓      | 1058  | 134        | 440     | 4                 |
| 391      | 16:55:47.672 | Users 1-391 | Home Page | 465              | ✓      | 1058  | 134        | 465     | 6                 |
| 392      | 16:55:47.730 | Users 1-395 | Home Page | 418              | ✓      | 1058  | 134        | 418     | 8                 |
| 393      | 16:55:47.691 | Users 1-392 | Home Page | 464              | ✓      | 1058  | 134        | 464     | 5                 |
| 394      | 16:55:47.718 | Users 1-394 | Home Page | 446              | ✓      | 1058  | 134        | 446     | 5                 |
| 395      | 16:55:47.705 | Users 1-393 | Home Page | 471              | ✓      | 1058  | 134        | 471     | 7                 |
| 396      | 16:55:47.743 | Users 1-396 | Home Page | 462              | ✓      | 1058  | 134        | 462     | 4                 |
| 397      | 16:55:47.794 | Users 1-400 | Home Page | 411              | ✓      | 1058  | 134        | 411     | 4                 |
| 398      | 16:55:47.769 | Users 1-398 | Home Page | 442              | ✓      | 1058  | 134        | 442     | 13                |
| 399      | 16:55:47.757 | Users 1-397 | Home Page | 472              | ✓      | 1058  | 134        | 472     | 4                 |
| 400      | 16:55:47.782 | Users 1-399 | Home Page | 484              | ✓      | 1058  | 134        | 484     | 7                 |

At the bottom of the table, there are checkboxes for 'Scroll automatically?' and 'Child samples?'. Below these, the following statistics are displayed:

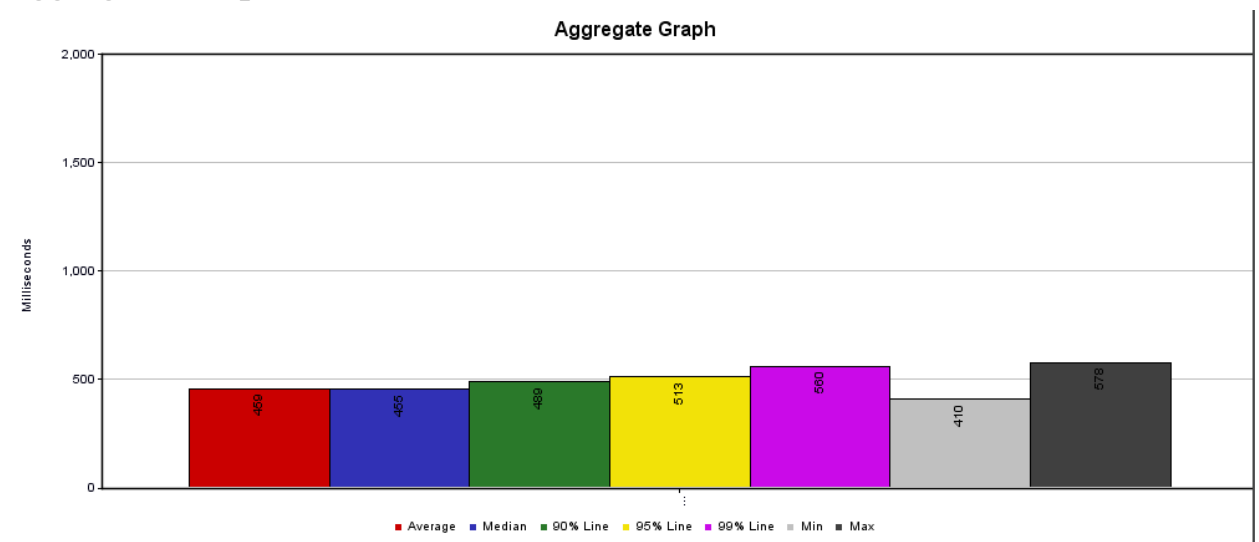
- No of Samples: 400
- Latest Sample: 484
- Average: 453
- Deviation: 22

- **Response Time Graph**

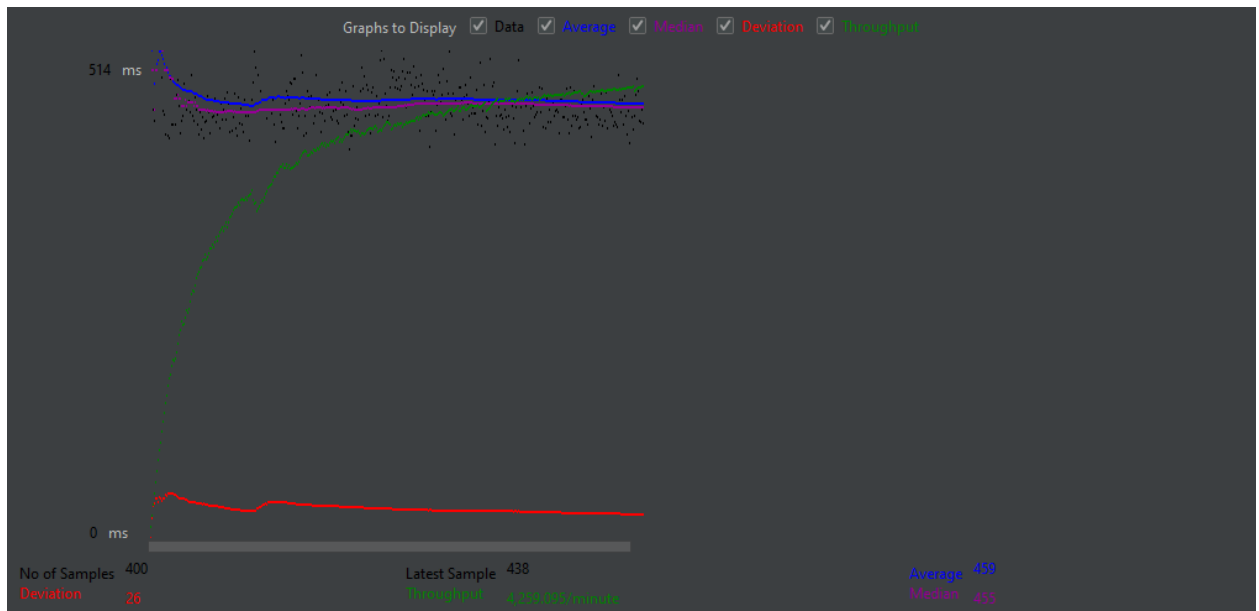


**Response Time : 500 ms**

- **Aggregate Graph**



## ● Overall Graph Results



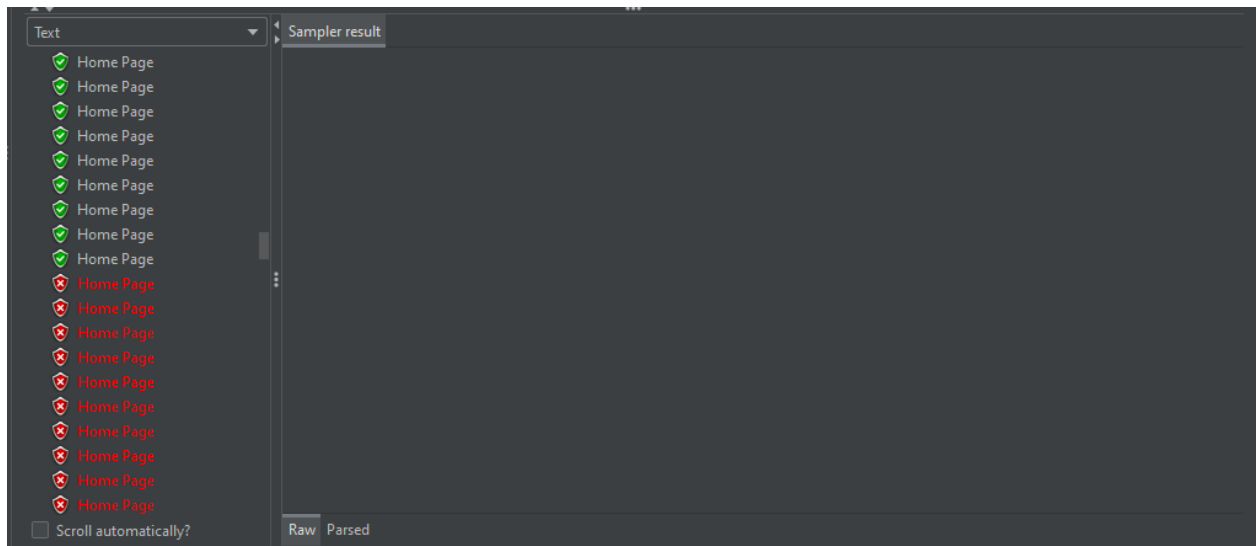
### 1.2.3 Method : Get

Number of Users : 300

Ramp Up Period : 1 second

Loop Count : 1

- **Results in Tree**

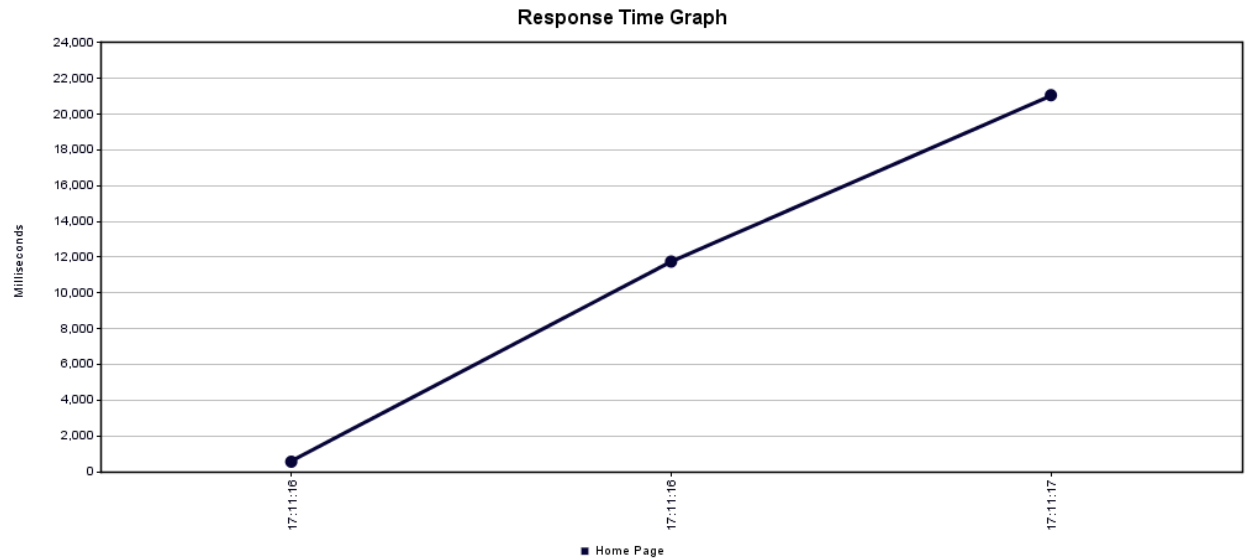


- Results in Table

| Sample # | Start Time   | Thread Name | Label     | Sample Time(... | Status | Bytes | Sent Bytes | Latency | Connect Time(... |
|----------|--------------|-------------|-----------|-----------------|--------|-------|------------|---------|------------------|
| 118      | 17:11:16.918 | Users 1-122 | Home Page | 566             | ✓      | 1058  | 134        | 566     | 48               |
| 119      | 17:11:16.902 | Users 1-117 | Home Page | 582             | ✓      | 1058  | 134        | 582     | 63               |
| 120      | 17:11:16.899 | Users 1-116 | Home Page | 585             | ✓      | 1058  | 134        | 585     | 66               |
| 121      | 17:11:16.893 | Users 1-114 | Home Page | 591             | ✓      | 1058  | 134        | 591     | 72               |
| 122      | 17:11:16.908 | Users 1-119 | Home Page | 579             | ✓      | 1058  | 134        | 579     | 58               |
| 123      | 17:11:16.927 | Users 1-125 | Home Page | 560             | ✓      | 1058  | 134        | 560     | 39               |
| 124      | 17:11:16.915 | Users 1-121 | Home Page | 572             | ✓      | 1058  | 134        | 572     | 51               |
| 125      | 17:11:16.920 | Users 1-123 | Home Page | 568             | ✓      | 1058  | 134        | 568     | 46               |
| 126      | 17:11:16.927 | Users 1-126 | Home Page | 561             | ✓      | 1058  | 134        | 561     | 39               |
| 127      | 17:11:16.934 | Users 1-127 | Home Page | 21059           | ✗      | 2760  | 0          | 0       | 21059            |
| 128      | 17:11:16.941 | Users 1-130 | Home Page | 21052           | ✗      | 2760  | 0          | 0       | 21052            |
| 129      | 17:11:16.948 | Users 1-132 | Home Page | 21045           | ✗      | 2760  | 0          | 0       | 21045            |
| 130      | 17:11:16.944 | Users 1-131 | Home Page | 21049           | ✗      | 2760  | 0          | 0       | 21049            |
| 131      | 17:11:16.946 | Users 1-133 | Home Page | 21047           | ✗      | 2760  | 0          | 0       | 21047            |
| 132      | 17:11:16.937 | Users 1-128 | Home Page | 21056           | ✗      | 2760  | 0          | 0       | 21056            |
| 133      | 17:11:16.939 | Users 1-129 | Home Page | 21054           | ✗      | 2760  | 0          | 0       | 21054            |
| 134      | 17:11:16.991 | Users 1-145 | Home Page | 21034           | ✗      | 2760  | 0          | 0       | 21033            |
| 135      | 17:11:16.982 | Users 1-142 | Home Page | 21042           | ✗      | 2760  | 0          | 0       | 21042            |
| 136      | 17:11:16.979 | Users 1-141 | Home Page | 21045           | ✗      | 2760  | 0          | 0       | 21045            |
| 137      | 17:11:16.988 | Users 1-144 | Home Page | 21036           | ✗      | 2760  | 0          | 0       | 21036            |

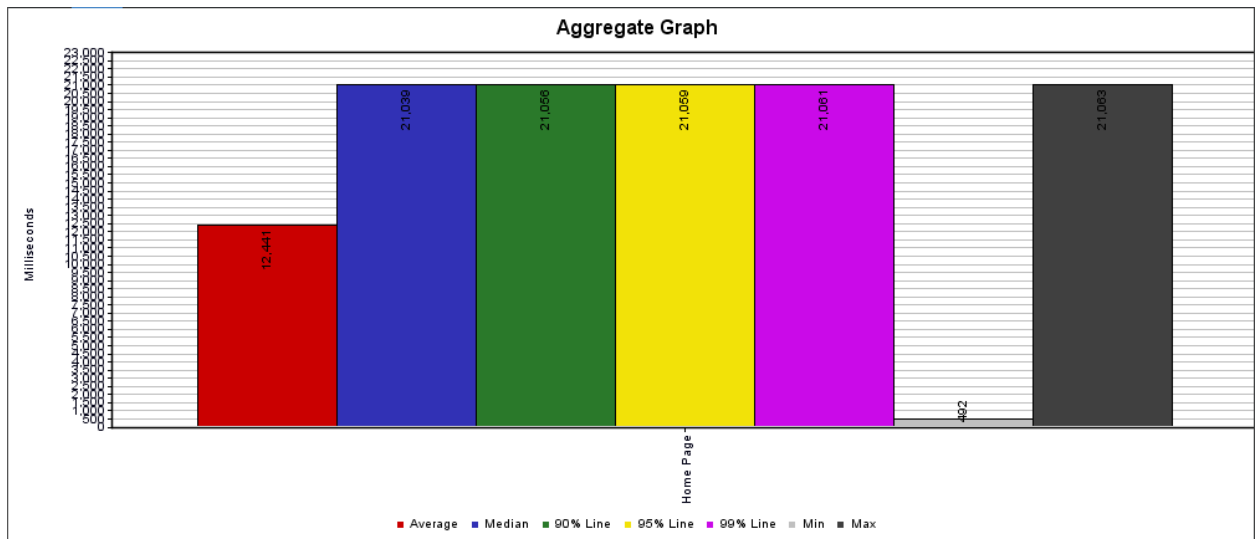
☐ Scroll automatically? 
 ☐ Child samples? 
 No of Samples 300 
 Latest Sample 21048 
 Average 12441 
 Deviation 10114

- Response Time

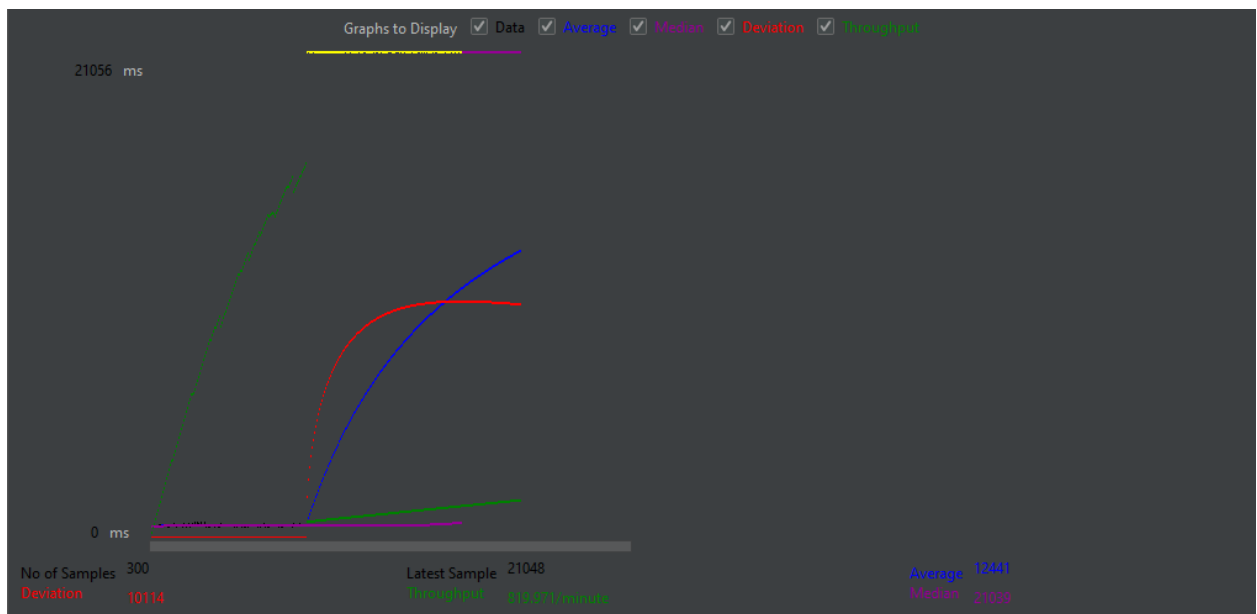


Response Time is Increasing Linearly

- **Aggregate Graph**



- **Overall Graph**



## Results :

- Here Sample Number 126 is a Peak Value for our Website.
- Response Time is Increasing Linearly.
- Maximum is Very High.



## 1.2 View Search History

### 1.2.1 Method : Get

Number of Users : 10

Ramp Up Period : 1 second

Loop Count : 2

#### ● View Results in Tree

Text

Sampler result Request Response data

Thread Name:Users 1-1  
Sample Start:2023-04-28 17:35:38 IST  
Load time:334  
Connect Time:0  
Latency:334  
Size in bytes:5517  
Sent bytes:148  
Headers size in bytes:289  
Body size in bytes:5228  
Sample Count:1  
Error Count:0  
Data type ("text"|"bin"|""):text  
Response code:200  
Response message:OK

HTTPSampleResult fields:  
ContentType: text/html; charset=utf-8  
DataEncoding: utf-8

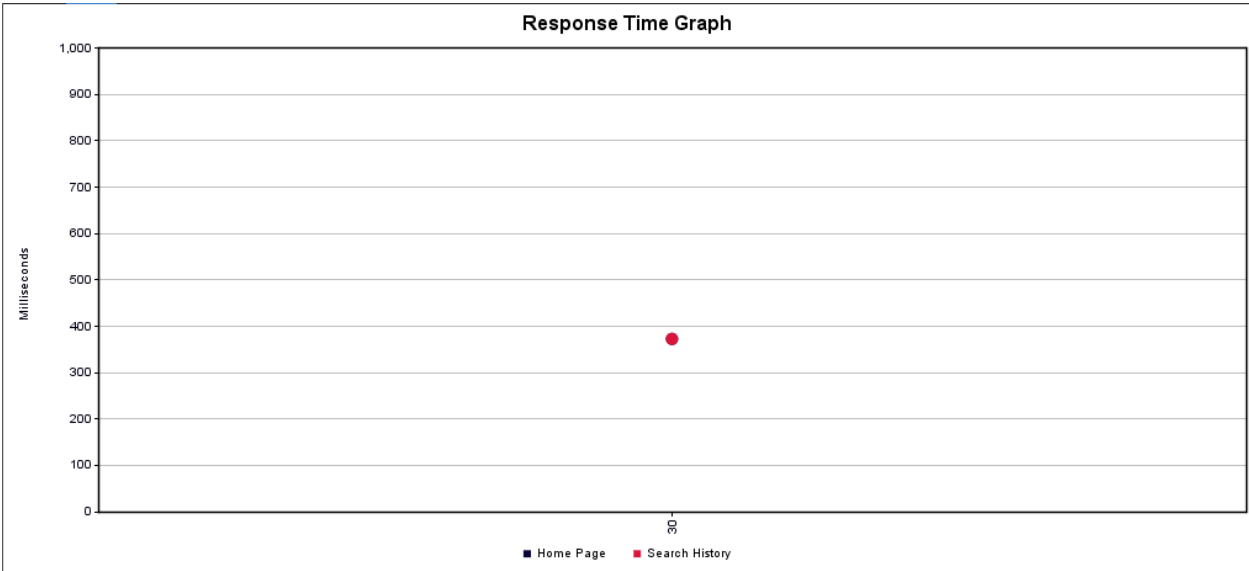
Raw Parsed

#### ● View Results in Table

| Sample # | Start Time   | Thread Name | Label          | Sample Time(...) | Status | Bytes | Sent Bytes | Latency | Connect Time(...) |
|----------|--------------|-------------|----------------|------------------|--------|-------|------------|---------|-------------------|
| 21       | 17:35:39.418 | Users 1-1   | Search History | 296              | ✓      | 5517  | 148        | 296     | 0                 |
| 22       | 17:35:39.261 | Users 1-10  | Home Page      | 464              | ✓      | 1058  | 134        | 464     | 6                 |
| 23       | 17:35:39.559 | Users 1-6   | Home Page      | 213              | ✓      | 1058  | 134        | 213     | 0                 |
| 24       | 17:35:39.533 | Users 1-2   | Search History | 293              | ✓      | 5517  | 148        | 293     | 0                 |
| 25       | 17:35:39.533 | Users 1-4   | Home Page      | 319              | ✓      | 1058  | 134        | 319     | 0                 |
| 26       | 17:35:39.533 | Users 1-8   | Search History | 324              | ✓      | 5517  | 148        | 324     | 0                 |
| 27       | 17:35:39.591 | Users 1-3   | Search History | 323              | ✓      | 5517  | 148        | 323     | 0                 |
| 28       | 17:35:39.601 | Users 1-9   | Search History | 339              | ✓      | 5517  | 148        | 339     | 0                 |
| 29       | 17:35:39.698 | Users 1-7   | Home Page      | 277              | ✓      | 1058  | 134        | 277     | 0                 |
| 30       | 17:35:39.725 | Users 1-10  | Search History | 292              | ✓      | 5517  | 148        | 292     | 0                 |
| 31       | 17:35:39.714 | Users 1-5   | Search History | 319              | ✓      | 5517  | 148        | 319     | 0                 |
| 32       | 17:35:39.772 | Users 1-6   | Search History | 289              | ✓      | 5517  | 148        | 289     | 0                 |
| 33       | 17:35:39.852 | Users 1-4   | Search History | 270              | ✓      | 5517  | 148        | 270     | 0                 |
| 34       | 17:35:39.857 | Users 1-8   | Home Page      | 265              | ✓      | 1058  | 134        | 265     | 0                 |
| 35       | 17:35:39.940 | Users 1-9   | Home Page      | 224              | ✓      | 1058  | 134        | 224     | 0                 |
| 36       | 17:35:39.975 | Users 1-7   | Search History | 251              | ✓      | 5517  | 148        | 251     | 0                 |
| 37       | 17:35:40.017 | Users 1-10  | Home Page      | 223              | ✓      | 1058  | 134        | 223     | 0                 |
| 38       | 17:35:40.122 | Users 1-8   | Search History | 270              | ✓      | 5517  | 148        | 270     | 0                 |
| 39       | 17:35:40.164 | Users 1-9   | Search History | 257              | ✓      | 5517  | 148        | 257     | 0                 |
| 40       | 17:35:40.240 | Users 1-10  | Search History | 309              | ✓      | 5517  | 148        | 309     | 0                 |

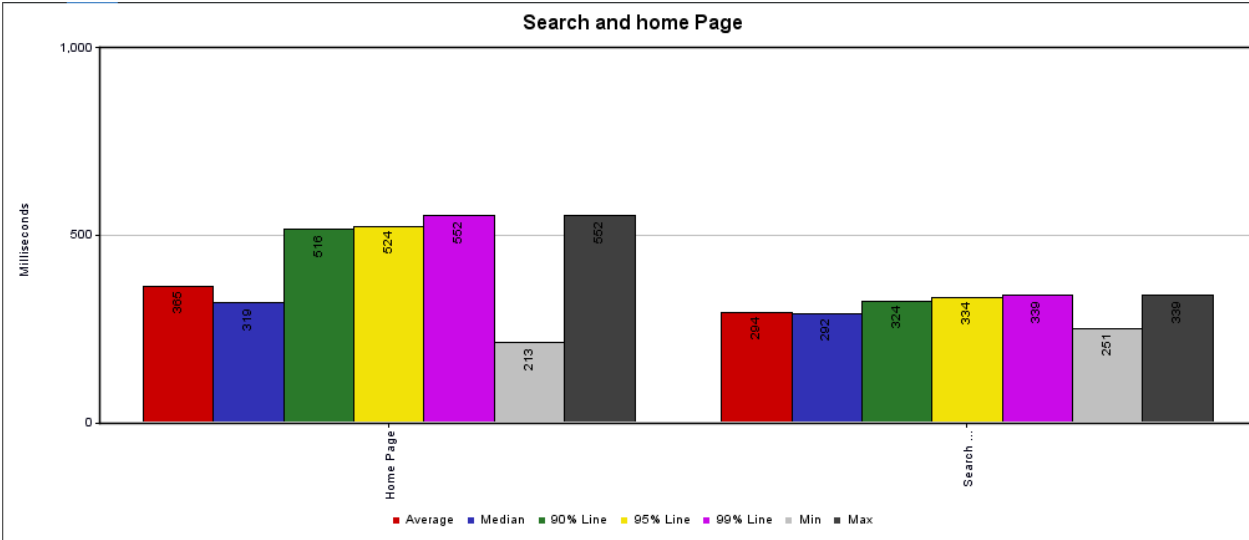
☐ Scroll automatically? ☐ Child samples? No of Samples 40 Latest Sample 309 Average 329 Deviation 92

- **Response Time**

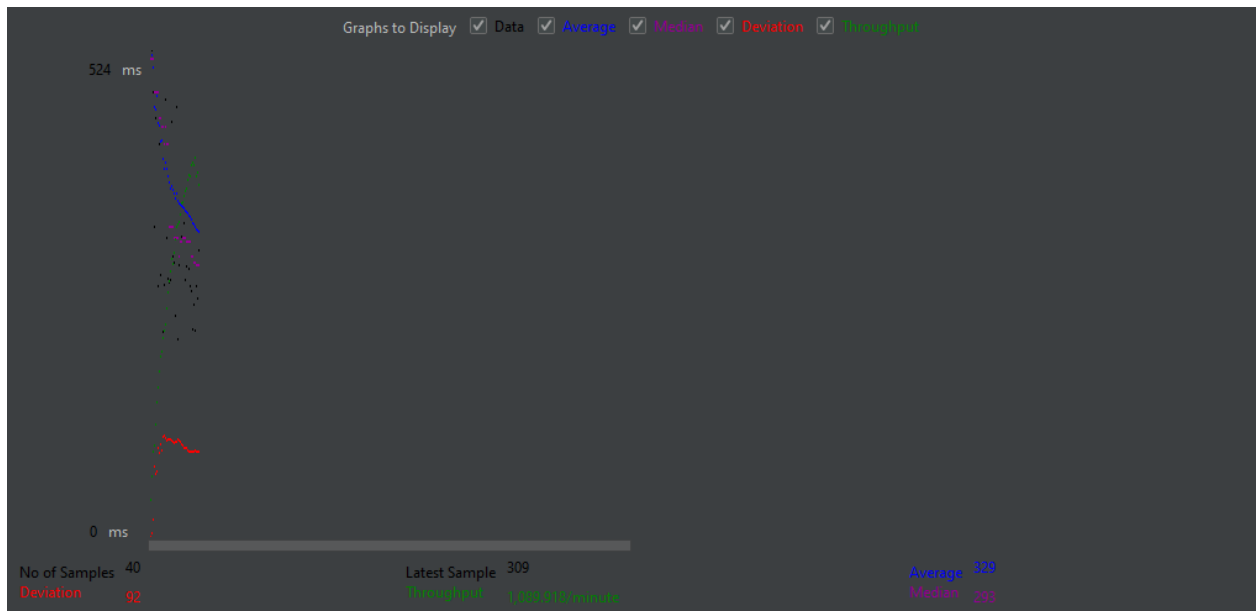


**Response Time is 390 ms.**

- **Aggregate Graph**



- **Overall Graph**



**Result :**

- **Website is Working Fine For This Test.**

### 1.2.2 Method : Get

Number of Users : 200

Ramp Up Period : 2 second

Loop Count : 2

- **View Results in Tree**

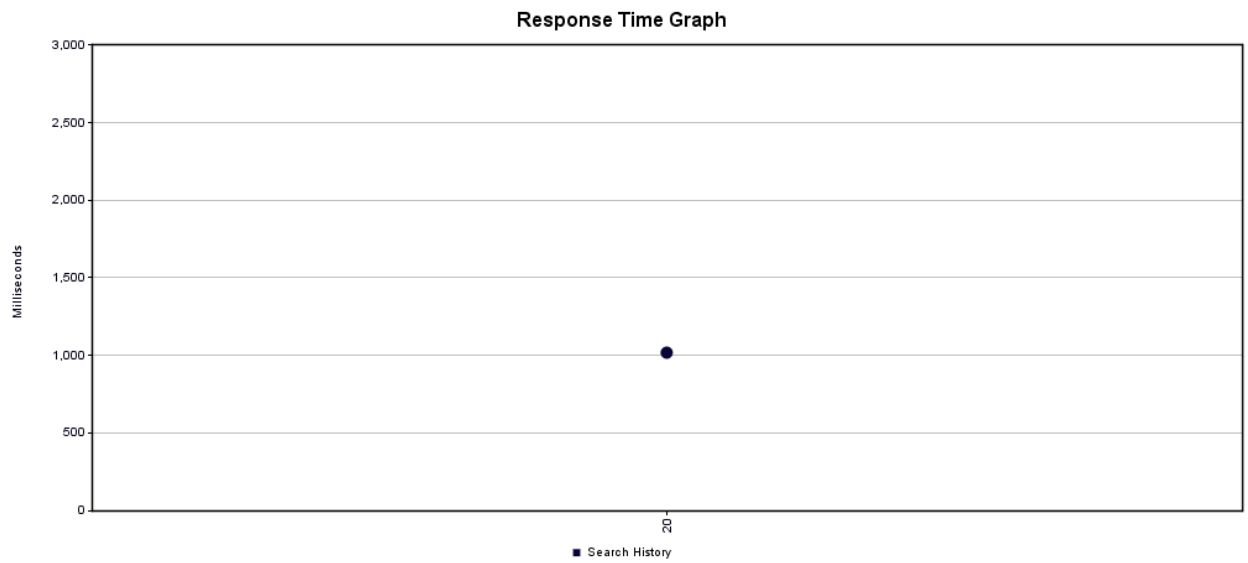
The screenshot shows the JMeter Results Tree. The left pane displays a list of search history entries, with one entry highlighted in blue. The right pane shows the details of the selected sample. The details include: Thread Name: Users 1-197, Sample Start: 2023-04-28 17:43:32 IST, Load time: 295, Connect Time: 0, Latency: 295, Size in bytes: 1903, Sent bytes: 148, Headers size in bytes: 242, Body size in bytes: 1661, Sample Count: 1, Error Count: 1, Data type ("text"/"bin"/""): text, Response code: 502, Response message: Bad Gateway, HTTPSampleResult fields: ContentType: text/html, DataEncoding: null. The bottom of the right pane shows the 'Raw' and 'Parsed' tabs.

- View Results in Table

| Sample # | Start Time   | Thread Name | Label          | Sample Time(... | Status | Bytes | Sent Bytes | Latency | Connect Time(... |
|----------|--------------|-------------|----------------|-----------------|--------|-------|------------|---------|------------------|
| 219      | 17:43:32.240 | Users 1-196 | Search History | 232             | ✖      | 1903  | 148        | 232     | 0                |
| 220      | 17:43:32.240 | Users 1-49  | Search History | 246             | ✖      | 1903  | 148        | 246     | 0                |
| 221      | 17:43:30.197 | Users 1-57  | Search History | 2302            | ✔      | 5517  | 148        | 2302    | 59               |
| 222      | 17:43:30.247 | Users 1-62  | Search History | 2269            | ✔      | 5517  | 148        | 2269    | 21               |
| 223      | 17:43:32.289 | Users 1-53  | Search History | 236             | ✖      | 1903  | 148        | 236     | 0                |
| 224      | 17:43:32.243 | Users 1-197 | Search History | 295             | ✖      | 1903  | 148        | 295     | 0                |
| 225      | 17:43:30.207 | Users 1-58  | Search History | 2374            | ✔      | 5517  | 148        | 2374    | 49               |
| 226      | 17:43:30.227 | Users 1-60  | Search History | 2373            | ✔      | 5517  | 148        | 2373    | 29               |
| 227      | 17:43:30.288 | Users 1-66  | Search History | 2356            | ✔      | 5517  | 148        | 2356    | 9                |
| 228      | 17:43:30.237 | Users 1-61  | Search History | 2428            | ✔      | 5517  | 148        | 2428    | 31               |
| 229      | 17:43:30.258 | Users 1-63  | Search History | 2436            | ✔      | 5517  | 148        | 2436    | 38               |
| 230      | 17:43:30.268 | Users 1-64  | Search History | 2481            | ✔      | 5517  | 148        | 2481    | 29               |
| 231      | 17:43:30.494 | Users 1-12  | Search History | 2268            | ✔      | 5517  | 148        | 2268    | 0                |
| 232      | 17:43:30.279 | Users 1-65  | Search History | 2521            | ✔      | 5517  | 148        | 2521    | 18               |
| 233      | 17:43:30.217 | Users 1-59  | Search History | 2619            | ✔      | 5517  | 148        | 2619    | 39               |
| 234      | 17:43:30.298 | Users 1-67  | Search History | 2563            | ✔      | 5517  | 148        | 2563    | 20               |
| 235      | 17:43:30.317 | Users 1-69  | Search History | 2604            | ✔      | 5517  | 148        | 2604    | 4                |
| 236      | 17:43:30.307 | Users 1-68  | Search History | 2601            | ✔      | 5517  | 148        | 2601    | 14               |
| 237      | 17:43:30.328 | Users 1-70  | Search History | 2650            | ✔      | 5517  | 148        | 2650    | 18               |
| 238      | 17:43:30.337 | Users 1-71  | Search History | 2654            | ✔      | 5517  | 148        | 2654    | 10               |

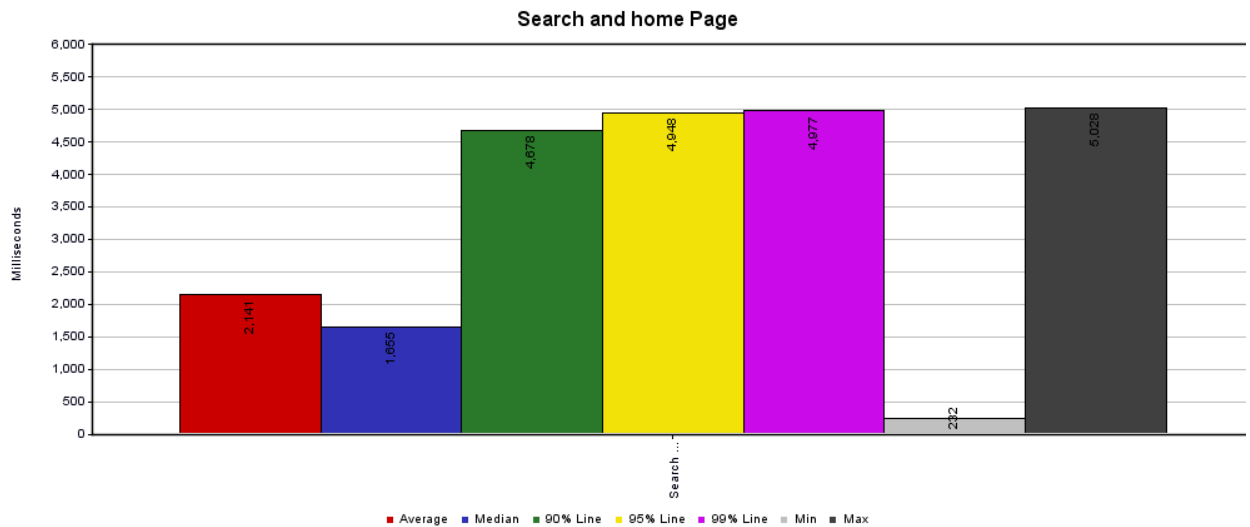
☐ Scroll automatically? ☐ Child samples? No of Samples 400 Latest Sample 3996 Average 2141 Deviation 1747

- Response Time

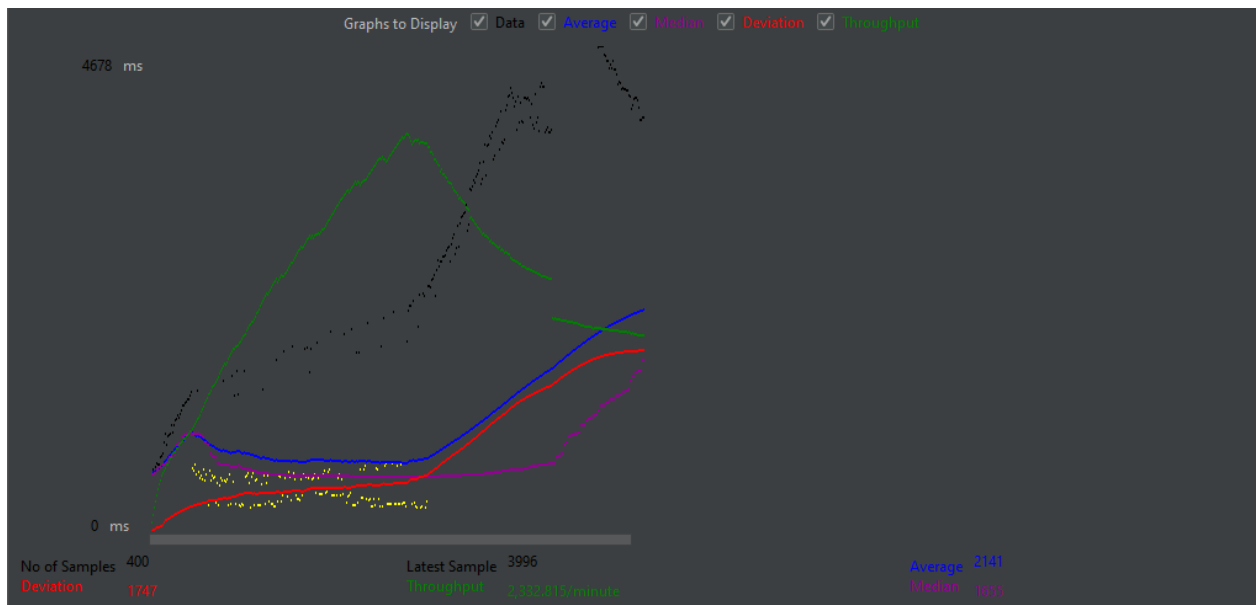


Response Time is 1000 ms.

- **Aggregate Graph**



- **Overall Graph**



**Results :**

- Here Every sample ran perfectly.
- But when we increased number of threads for some samples we get Response Code : 502
- Which means that the Website wasn't able to serve the requested object because it couldn't connect to the original server.

### 1.3 Compare Product by Two Store Name :

### 1.3.1 Method : Post

Number of Users : 150

Ramp Up Period : 2 second

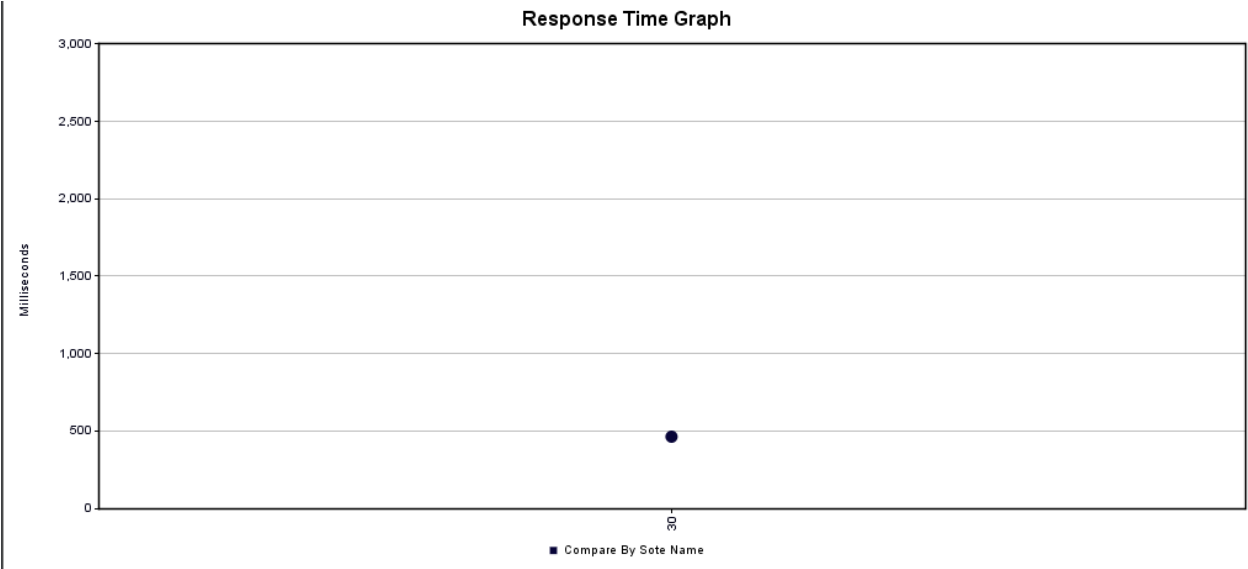
Loop Count : 2

- **View By Tree**

- **View in Table**

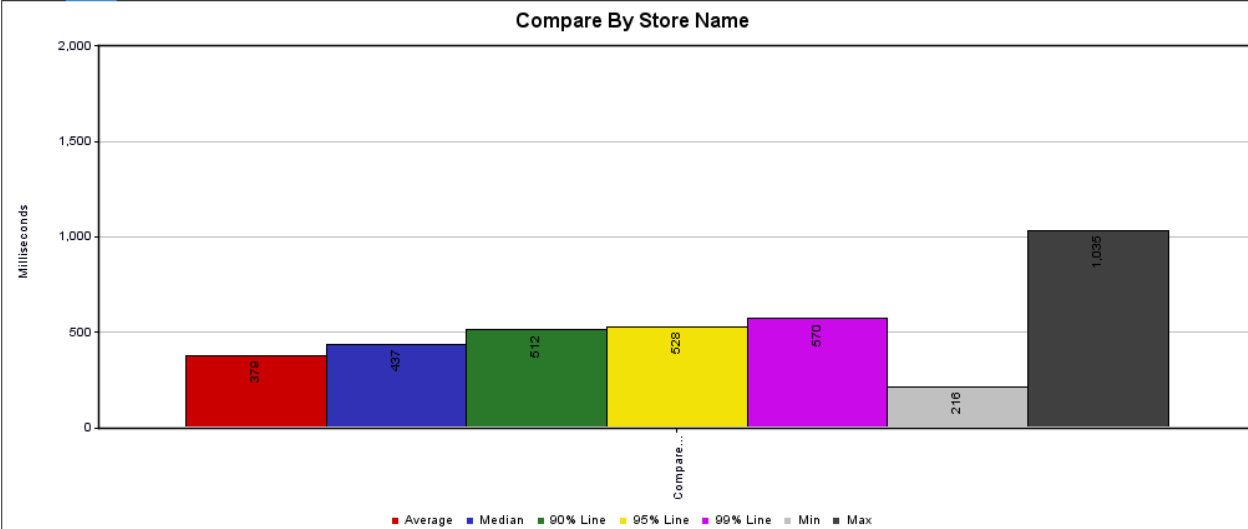
| Sample #  | Start Time   | Thread Name | Label           | Sample Time(... | Status | Bytes | Sent Bytes | Latency | Connect Time(... |
|---|--------------|-------------|-----------------|-----------------|--------|-------|------------|---------|------------------|
| 281   | 18:00:42.072 | Users 1-126 | Compare By S... | 255             | 🟢      | 6135  | 225        | 255     | 0                |
| 282   | 18:00:42.069 | Users 1-125 | Compare By S... | 258             | 🟢      | 6135  | 225        | 258     | 0                |
| 283   | 18:00:42.110 | Users 1-136 | Compare By S... | 220             | 🟢      | 6135  | 225        | 220     | 0                |
| 284   | 18:00:42.114 | Users 1-138 | Compare By S... | 236             | 🟢      | 6135  | 225        | 236     | 0                |
| 285   | 18:00:42.110 | Users 1-133 | Compare By S... | 243             | 🟢      | 6135  | 225        | 243     | 0                |
| 286   | 18:00:42.112 | Users 1-135 | Compare By S... | 246             | 🟢      | 6135  | 225        | 246     | 0                |
| 287   | 18:00:42.114 | Users 1-134 | Compare By S... | 258             | 🟢      | 6135  | 225        | 258     | 0                |
| 288   | 18:00:42.199 | Users 1-139 | Compare By S... | 230             | 🟢      | 6135  | 225        | 230     | 0                |
| 289   | 18:00:42.198 | Users 1-141 | Compare By S... | 231             | 🟢      | 6135  | 225        | 231     | 0                |
| 290   | 18:00:42.199 | Users 1-140 | Compare By S... | 333             | 🟢      | 6135  | 225        | 333     | 0                |
| 291   | 18:00:42.222 | Users 1-144 | Compare By S... | 323             | 🟢      | 6135  | 225        | 323     | 0                |
| 292   | 18:00:42.222 | Users 1-142 | Compare By S... | 323             | 🟢      | 6135  | 225        | 323     | 0                |
| 293   | 18:00:42.230 | Users 1-143 | Compare By S... | 317             | 🟢      | 6135  | 225        | 317     | 0                |
| 294   | 18:00:42.199 | Users 1-137 | Compare By S... | 351             | 🟢      | 6135  | 225        | 351     | 0                |
| 295   | 18:00:42.257 | Users 1-146 | Compare By S... | 299             | 🟢      | 6135  | 225        | 299     | 0                |
| 296   | 18:00:42.287 | Users 1-149 | Compare By S... | 269             | 🟢      | 6135  | 225        | 269     | 0                |
| 297   | 18:00:42.257 | Users 1-145 | Compare By S... | 309             | 🟢      | 6135  | 225        | 309     | 0                |
| 298   | 18:00:42.287 | Users 1-148 | Compare By S... | 283             | 🟢      | 6135  | 225        | 283     | 0                |
| 299   | 18:00:42.300 | Users 1-150 | Compare By S... | 270             | 🟢      | 6135  | 225        | 270     | 0                |
| 300   | 18:00:42.289 | Users 1-147 | Compare By S... | 290             | 🟢      | 6135  | 225        | 290     | 0                |
| <div><input type="checkbox"/> Scroll automatically? <input type="checkbox"/> Child samples? <div>No of Samples 300</div> <div>Latest Sample 290</div> <div>Average: 379</div> <div>Deviation: 124</div></div> |              |             |                 |                 |        |       |            |         |                  |

● **Response Time**

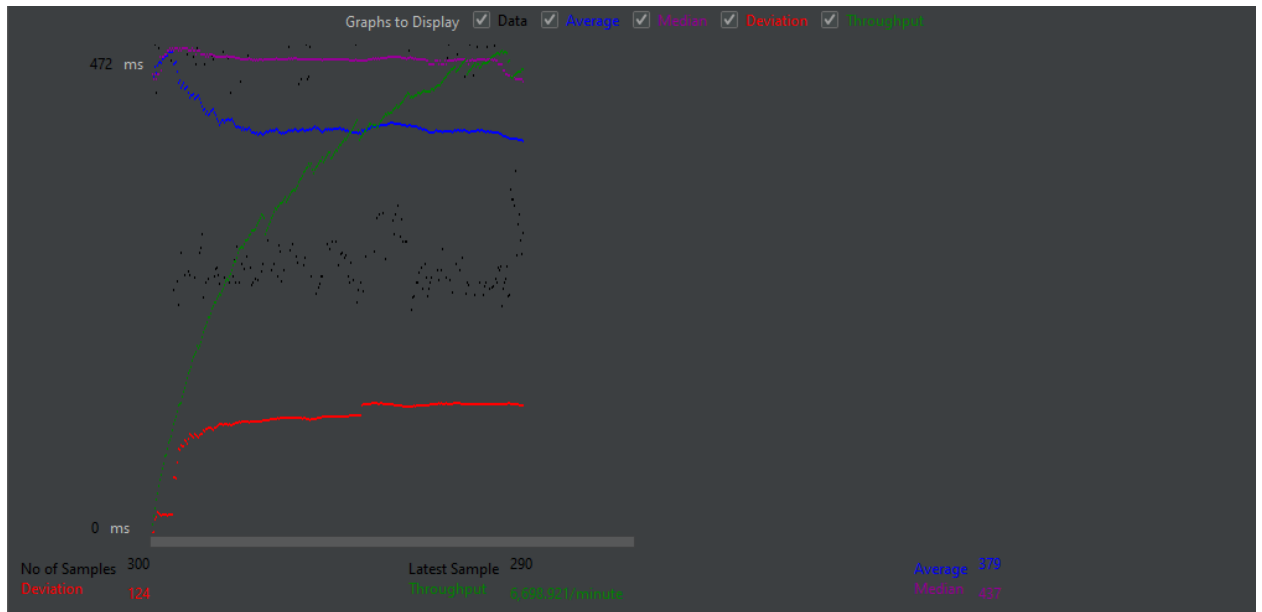


**Response Time is 490 ms.**

● **Aggregate Graph**



- **Overall Graph**



**Results :**

- Here We have taken a Post method.
- For a given set of samples our website is working very fine.



## 1.4 Forgot Password :

### 1.4.1 Method : Post

Number of Users : 100

Ramp Up Period : 1 second

Loop Count : 2

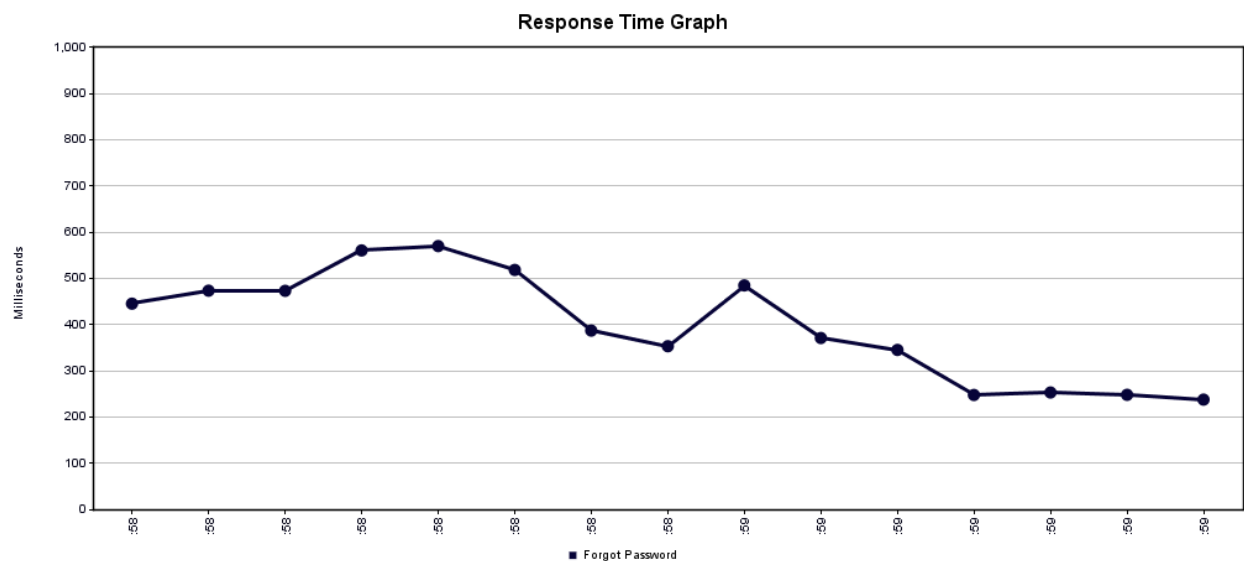
- **View By Tree**

The screenshot shows the 'Text' tab in the 'Sampler result' view. The left pane lists 15 'Forgot Password' requests, with the 7th request selected. The right pane displays the details for the selected request, including Thread Name, Sample Start, Load time, Connect Time, Latency, Size in bytes, Sent bytes, Headers size, Body size, Sample Count, Error Count, Data type, Response code, Response message, and HTTPSampleResult fields (ContentType, DataEncoding).

- **View in Table**

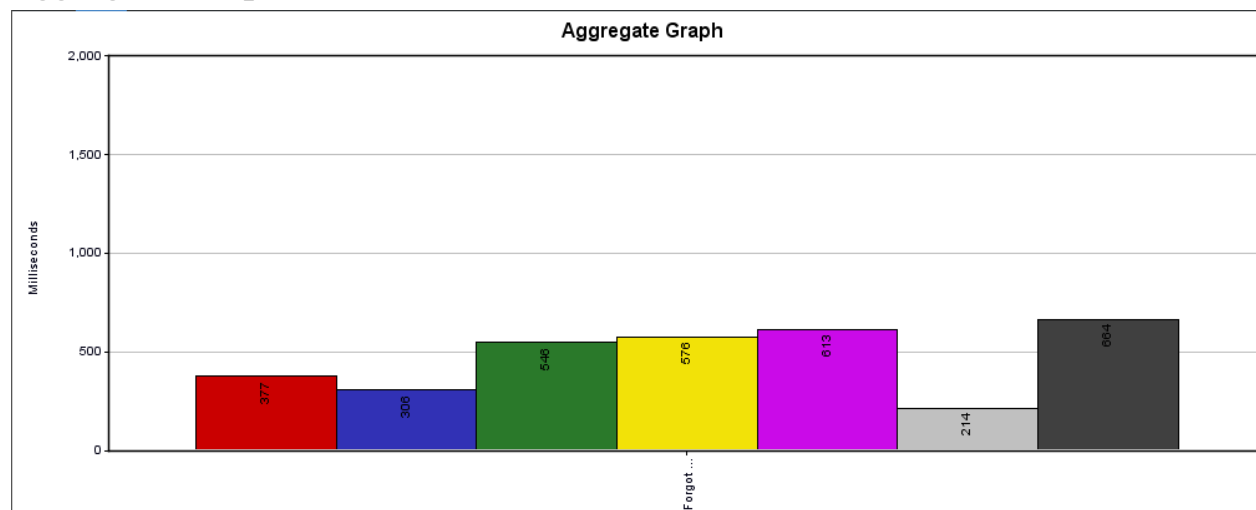
| Sample #  | Start Time   | Thread Name | Label           | Sample Time(...) | Status | Bytes | Sent Bytes | Latency | Connect Time(...) |
|---|--------------|-------------|-----------------|------------------|--------|-------|------------|---------|-------------------|
| 181   | 18:15:59.579 | Users 1-79  | Forgot Password | 258              | 🟢      | 1113  | 149        | 258     | 0                 |
| 182   | 18:15:59.593 | Users 1-86  | Forgot Password | 244              | 🟢      | 1113  | 149        | 244     | 0                 |
| 183   | 18:15:59.578 | Users 1-83  | Forgot Password | 254              | 🟢      | 1113  | 149        | 254     | 0                 |
| 184   | 18:15:59.578 | Users 1-82  | Forgot Password | 251              | 🟢      | 1113  | 149        | 251     | 0                 |
| 185   | 18:15:59.616 | Users 1-87  | Forgot Password | 237              | 🟢      | 1113  | 149        | 237     | 0                 |
| 186   | 18:15:59.610 | Users 1-85  | Forgot Password | 255              | 🟢      | 1113  | 149        | 255     | 0                 |
| 187   | 18:15:59.606 | Users 1-84  | Forgot Password | 259              | 🟢      | 1113  | 149        | 259     | 0                 |
| 188   | 18:15:59.630 | Users 1-88  | Forgot Password | 235              | 🟢      | 1113  | 149        | 235     | 0                 |
| 189   | 18:15:59.659 | Users 1-91  | Forgot Password | 227              | 🟢      | 1113  | 149        | 227     | 0                 |
| 190   | 18:15:59.656 | Users 1-89  | Forgot Password | 244              | 🟢      | 1113  | 149        | 244     | 0                 |
| 191   | 18:15:59.689 | Users 1-96  | Forgot Password | 214              | 🟢      | 1113  | 149        | 214     | 0                 |
| 192   | 18:15:59.675 | Users 1-90  | Forgot Password | 237              | 🟢      | 1113  | 149        | 237     | 0                 |
| 193   | 18:15:59.688 | Users 1-92  | Forgot Password | 228              | 🟢      | 1113  | 149        | 228     | 0                 |
| 194   | 18:15:59.702 | Users 1-94  | Forgot Password | 229              | 🟢      | 1113  | 149        | 229     | 0                 |
| 195   | 18:15:59.709 | Users 1-93  | Forgot Password | 252              | 🟢      | 1113  | 149        | 252     | 0                 |
| 196   | 18:15:59.736 | Users 1-97  | Forgot Password | 225              | 🟢      | 1113  | 149        | 225     | 0                 |
| 197   | 18:15:59.737 | Users 1-98  | Forgot Password | 224              | 🟢      | 1113  | 149        | 224     | 0                 |
| 198   | 18:15:59.750 | Users 1-100 | Forgot Password | 228              | 🟢      | 1113  | 149        | 228     | 0                 |
| 199   | 18:15:59.750 | Users 1-95  | Forgot Password | 251              | 🟢      | 1113  | 149        | 251     | 0                 |
| 200   | 18:15:59.781 | Users 1-99  | Forgot Password | 236              | 🟢      | 1113  | 149        | 236     | 0                 |
| <div><input type="checkbox"/> Scroll automatically? <input type="checkbox"/> Child samples?</div> <div>No of Samples 200Latest Sample 236Average 377Deviation 132</div> |              |             |                 |                  |        |       |            |         |                   |

- **Response Time**

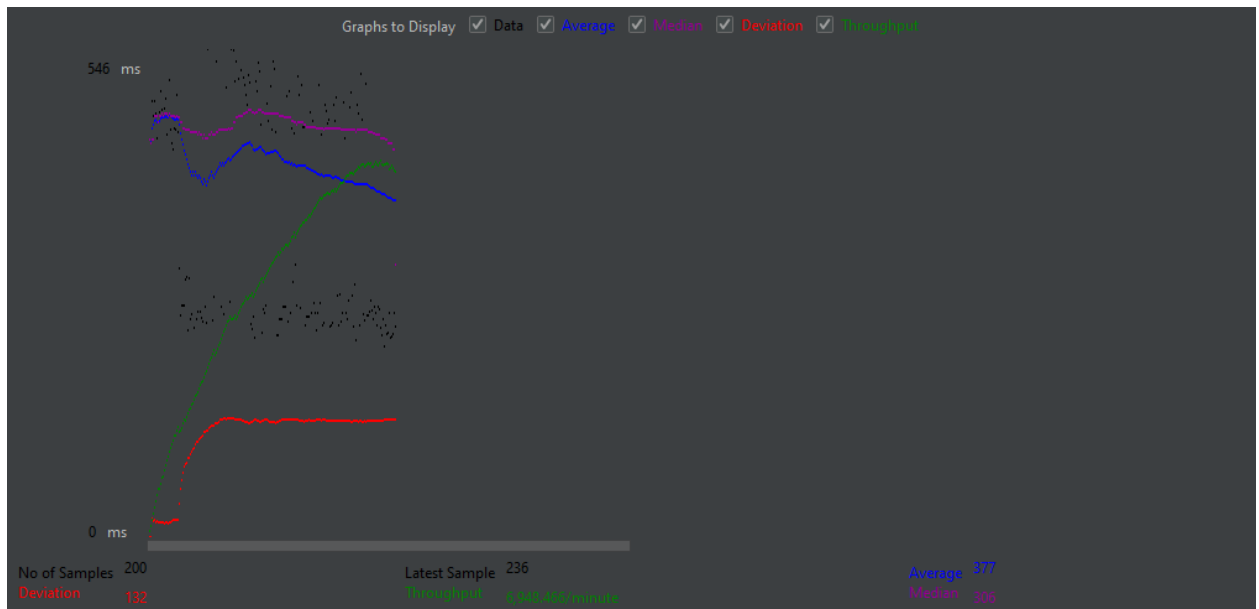


- **Average Response Time is 429 ms.**

- **Aggregate Graph**



- **Overall Graph**



**Results :**

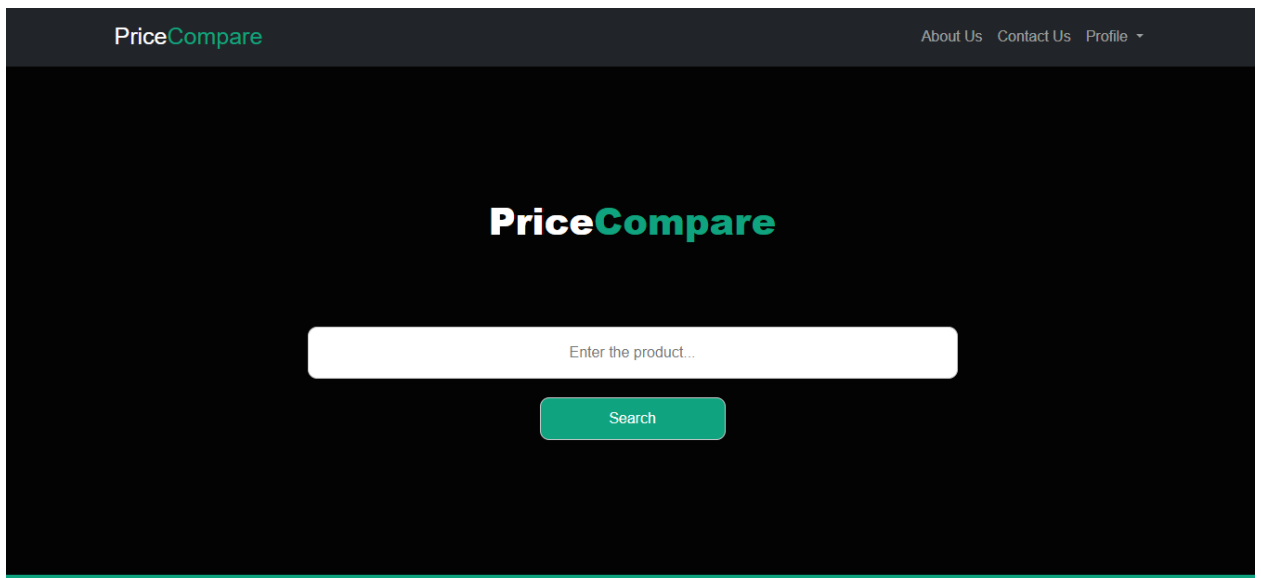
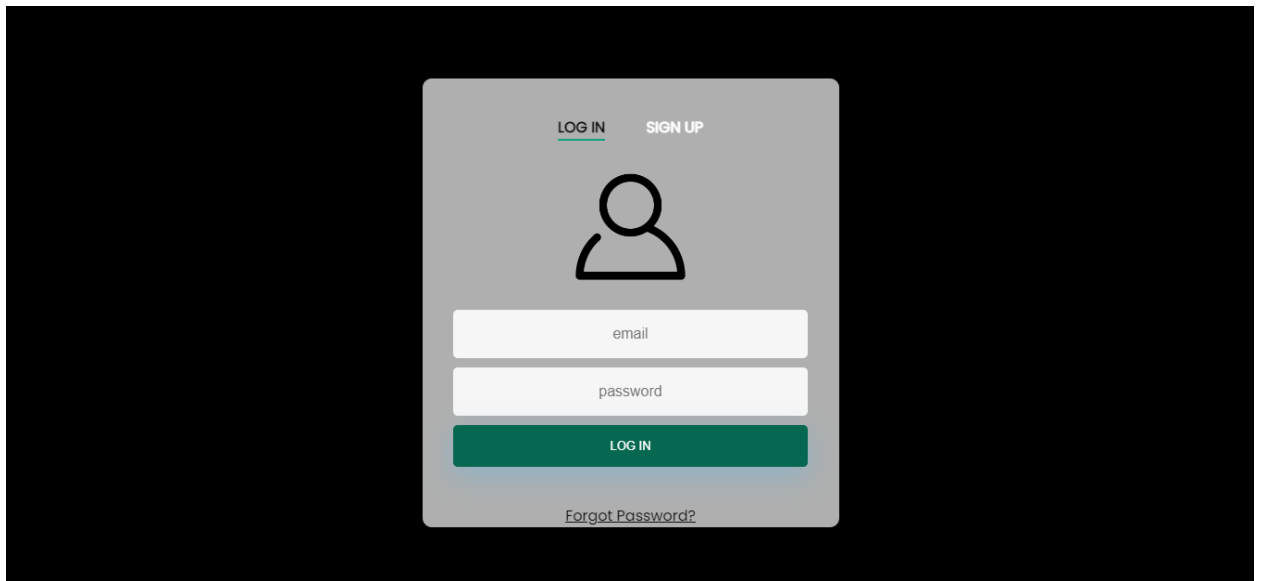
- **Here We have taken a Post method.**
- **For a given set of samples our website is working very fine.**

**Final Result of Non Functional Testing :**

- Non Functional Testing is used to check Performance of the Website and Scalability of the Website.
- I have used an Apache JMeter tool for Performance testing.
- I tested the Root Page of the website and also different APIs of the website.
- In JMeter I took a different number of users, different ramp-up time and different loops to test the Performance of the website and I got results from Tables and Graphs.
- From above testing, I can say that Our Website performance is good based on Performance Testing.

## 2. Responsiveness Testing

- Responsive testing is critical for ensuring a positive user experience, as more and more people access the web on their mobile devices.
- I have attached pictures of our website , How it looks on Laptop and hoe it looks on Mobile Phone.
- **Screenshots from Laptop :**



Search

Filter by store

Sort by Price ▾



Unrated ▾

Apply

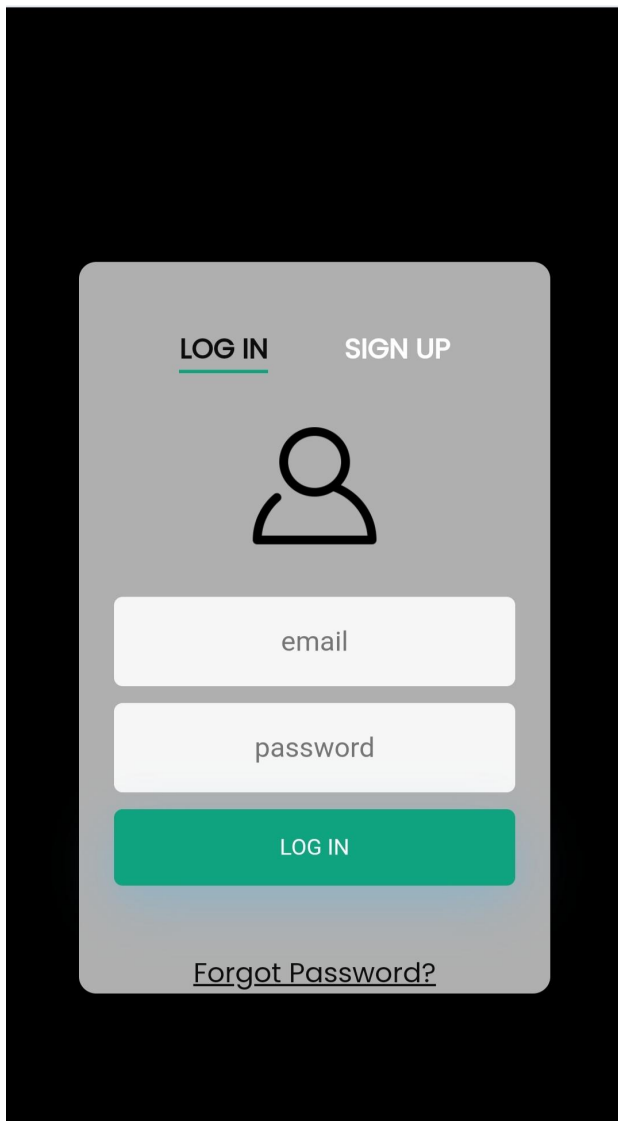
Store1

Store2

Compare

| Product  | Site     | Price      | Link                  | Image   |
|--|----------|------------|-----------------------|---|
| Apple iPhone 12 64 GB in Purple with installment                         | Verizon  | \$0.00 now | <a href="#">Visit</a> |  |
| Apple iPhone 14 Pro Max - Deep Purple - 128GB (with 24 monthly payments) | T-Mobile | \$0.00 now | <a href="#">Visit</a> |  |

- **Screenshot from Mobile Phone :**



PriceCompare



PriceCompare

Enter the product...

Search

Saved time and  
money thanks to  
this platform,  
Thanks to  
PriceCompare.  
Highly  
Recommend!!



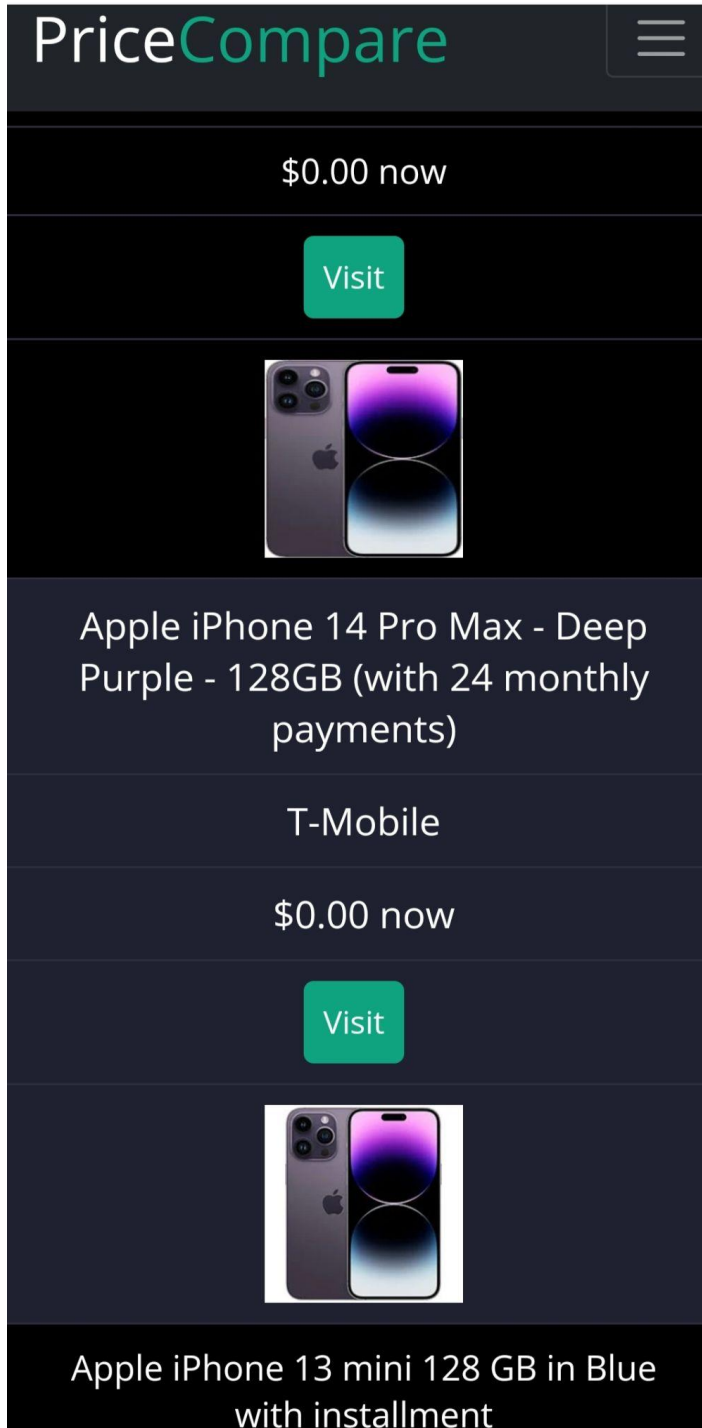
 dog-profile

*Sofia, Paris*



Apple iPhone 14 Pro Max 256 GB in  
Deep Purple with installment





**Result :**

- **From these Images We can say that our website is Responsive.**

