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Fresher Automation Tester

Extending Jmeter

FPT Software
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#	Author	Changes Made	Date	Version	Reviewer	Approver
1	LamNS3	docs: create template file	18/01/2019	1.0.0		

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FA Logo	Lab Code/Course Code	Duration in Minutes

EXERCISE 01

Working with Constant Throughput Timer

1. Create a test plan and give it a meaningful name, such as Constant Timer Test.
2. Click on Test Plan and go to Edit ➢ Add ➢ Threads (Users). Add jp@gc - Ultimate Thread Group
   We have 1 Thread count as **10**
   Initial delay for Thread is kept same as **3 seconds**.
   So after initiation of execution, Jmeter will wait for **5 seconds to send the 1st thread to the server**.
   Startup Time is also same as **10 seconds**. Hence, within **10 seconds all 10 Users** will be sent to the server.
   Now Hold Load Time is **50 seconds**.
3. Click on Ultimate Thread Group and go to Edit ➢ Add ➢Timer. Add Uniform Random Timer. Configure Random Delay Maximum (in Milliseconds) as **5000** and Constant Delay Offset (in Milliseconds) as **10000**
4. Click on Ultimate Thread Group and go to Edit ➢ Add ➢ Sampler. Add HTTP Request. Configure Server Name or IP as **google.com** and Method as GET.
5. Click on Ultimate Thread Group and go to Edit ➢ Add ➢ Sampler. Add HTTP Request. Configure Server Name or IP as **amazon.com** and Method as GET.

6. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **tiki.com** and Method as GET.
7. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Listener. Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph
8. Run the test.

EXERCISE 02

Working with Synchronizing Timer

1. Create a test plan and give it a meaningful name, such as Constant Timer Test.
2. Click on Test Plan and go to Edit ➤ Add ➤ Threads (Users). Add jp@gc - Ultimate Thread Group
   We have 1 Thread count as **10**
   Initial delay for Thread is kept same as **3 seconds**.
   So after initiation of execution, Jmeter will wait for **5 seconds to send the 1st thread to the server**.
   Startup Time is also same as **10 seconds**. Hence, within **10 seconds all 10 Users** will be sent to the server.
   Now Hold Load Time is **50 seconds**.
3. Click on Ultimate Thread Group and go to Edit ➤ Add ➤Add Synchronizing Timer. Configure Number of Simulated Users to Group by as **2** and Timeout in Milliseconds as **3000**
4. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **google.com** and Method as GET.
5. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **amazon.com** and Method as GET.
6. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **tiki.com** and Method as GET.

7. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Listener. Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph
8. Run the test.

EXERCISE 03

Performance testing for tiki.vn website

- With 10 users, all user are hitting server in the time span of 10 minute.
- User visiting 3 page: https://tiki.vn, https://tiki.vn/may-anh/c1801?src=mega-menu, https://tiki.vn/do-choi-me-be/c2549?src=mega-menu
- Before going to each of the page, we need to have some waiting 4s.
- Generate report and graph as well.