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Fresher Automation Tester

BeanShell Programming in Jmeter

FPT Software
FRESHER ACADEMY

#	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

1. Create a test plan and give it a meaningful name, such Tiki Products Test.
2. Click on Test Plan and go to Edit ➤ Add ➤ Threads (Users). Add jp@gc - Ultimate Thread Group
 - Start Threads Count: 50
 - Startup time: 10s
 - Hold load: 10 minutes
 - Shutdown time: 10s
3. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler.

Add BeanShell Sampler.

Adding code to Script as below :

```
import java.net.HttpURLConnection;  
import java.net.URL;  
import java.nio.charset.StandardCharsets;  
import org.apache.commons.io.IOUtils;
```

```
URL url = new
```

```
URL("https://tiki.vn/api/v2/products?limit=100&category_id=8322&coll  
ection=bestsellers_week&type=home_desktop");
```

```
HttpURLConnection con = (HttpURLConnection)
```

```
url.openConnection();
```

```
con.setRequestMethod("GET");
```

```
String response = IOUtils.toString(con.getInputStream(),
```

```
StandardCharsets.UTF_8);
```

```
return response;
```

4. Extract all products by using BeanShell PostProcessor with product information as below:

- ID
 - SKU
 - Name
 - Price
5. Create BeanShell Assertion to verify **total number of product** .
 6. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Listener.
Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph
 7. Generate the Dashboard Report

EXERCISE 02

1. Create a test plan and give it a meaningful name, such as Product Information Test.
2. Click on Test Plan and go to Edit ➤ Add ➤ Threads (Users). Add jp@gc - Ultimate Thread Group
 - Start Threads Count: 50
 - Startup time: 10s
 - Hold load: 10 minutes
 - Shutdown time: 10s
3. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler.
Add BeanShell Sampler.

Adding code to Script as below :

```
import java.net.HttpURLConnection;  
import java.net.URL;  
import java.nio.charset.StandardCharsets;  
import org.apache.commons.io.IOUtils;
```

```
URL url = new  
URL("https://api.tiki.vn/personalization/v2/products?page=1&limit=20  
0");  
HttpURLConnection con = (HttpURLConnection)  
url.openConnection();  
con.setRequestMethod("GET");
```

```
String response = IOUtils.toString(con.getInputStream(),  
StandardCharsets.UTF_8);  
return response;
```

4. Extract all product by using BeanShell PostProcessor with product information as below:
 - default_spid
 - discount_rate
 - id
 - inventory_status
 - list_price
 - name
 - price
 - type
5. Create BeanShell Assertion to verify the product ids are: **406414**, **500468** and **840390** should be displayed.
6. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Listener.
Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph
7. Generate the Dashboard Report