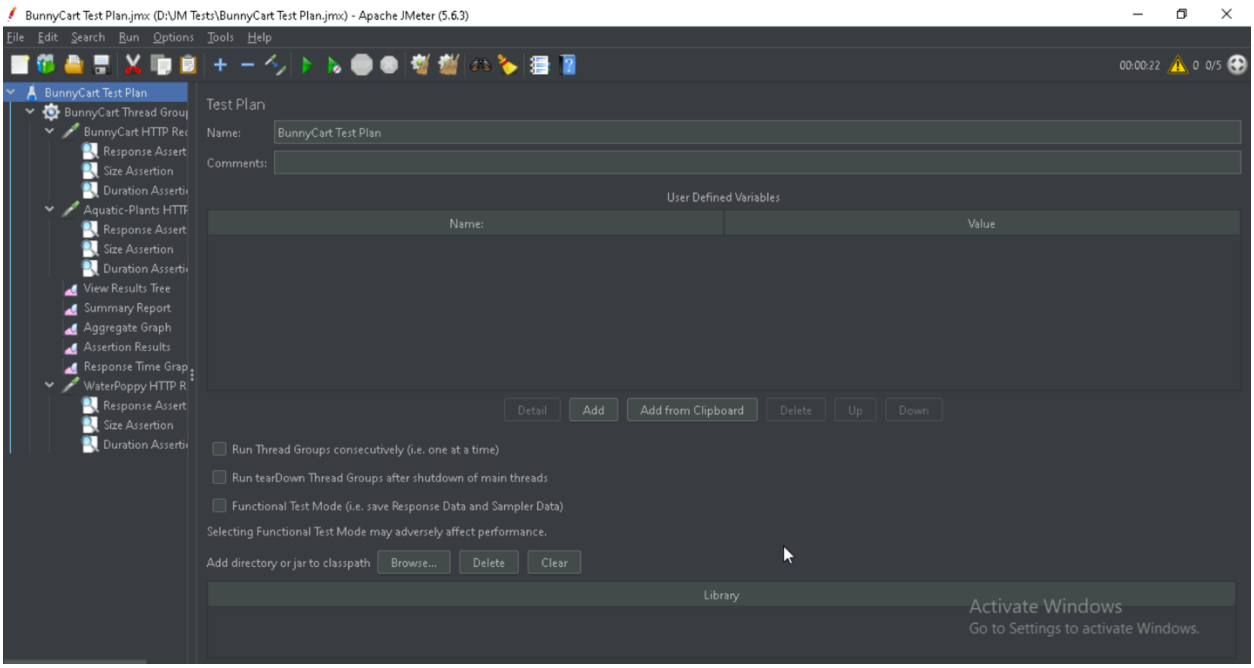
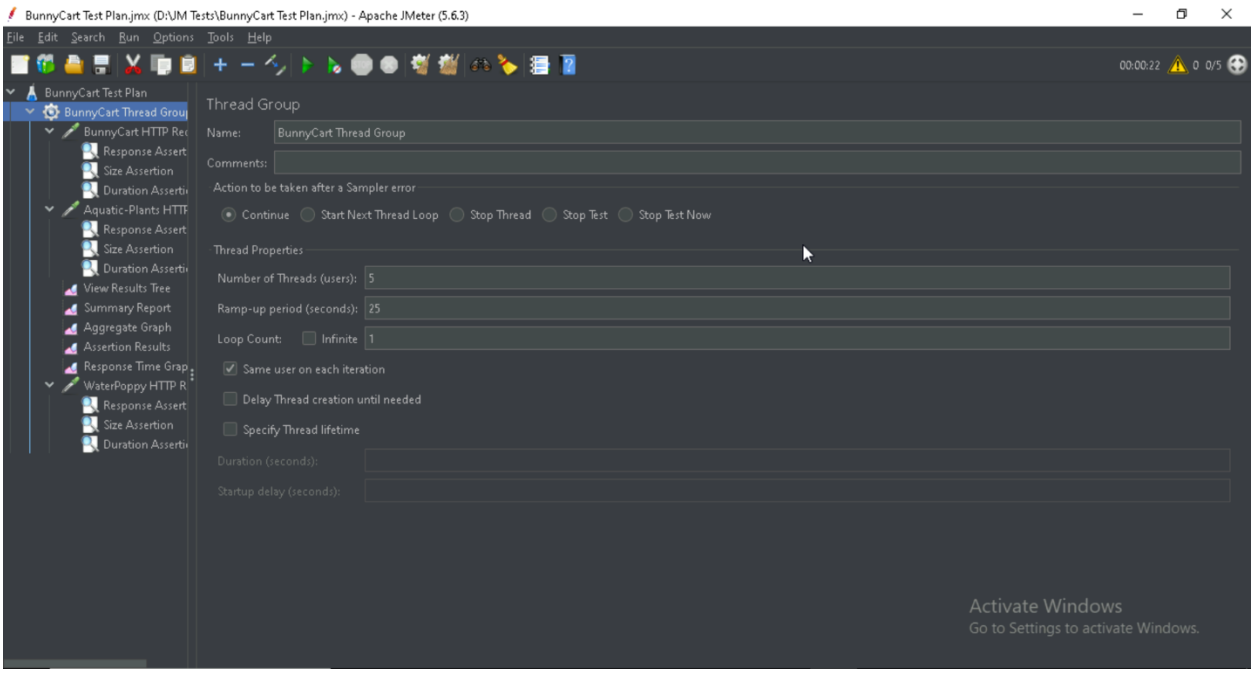
CASE STUDY - Simple Website Performance Test

URL- www.bunnycart.com

1.First create new Test Plan

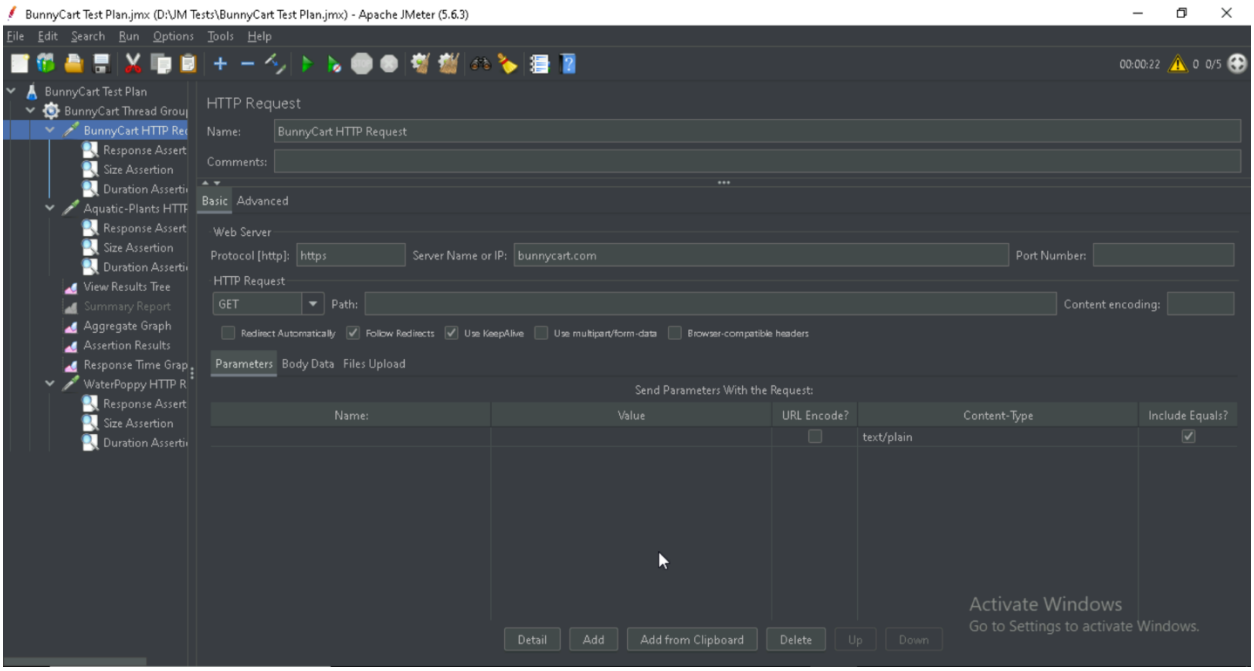


2.Create a Thread group

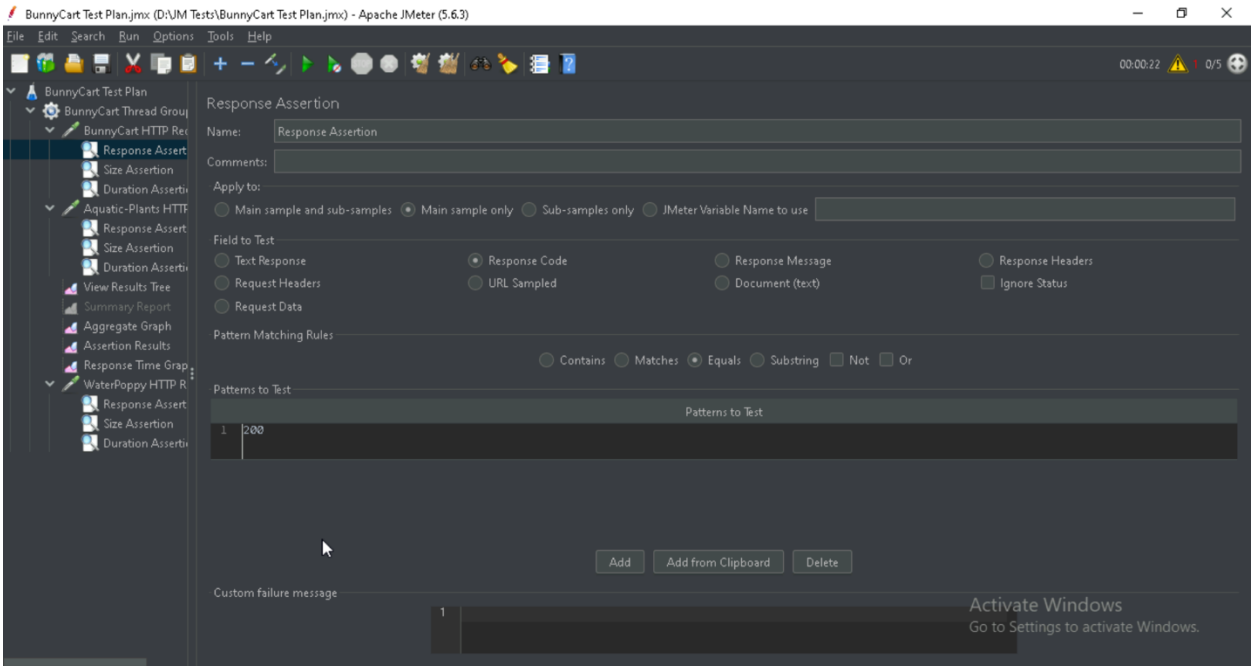


3. Added 3 HTTP Request Sampler

Home Page:- [Buy Aquatic Plants & Aquarium Fish online (bunnycart.com)]

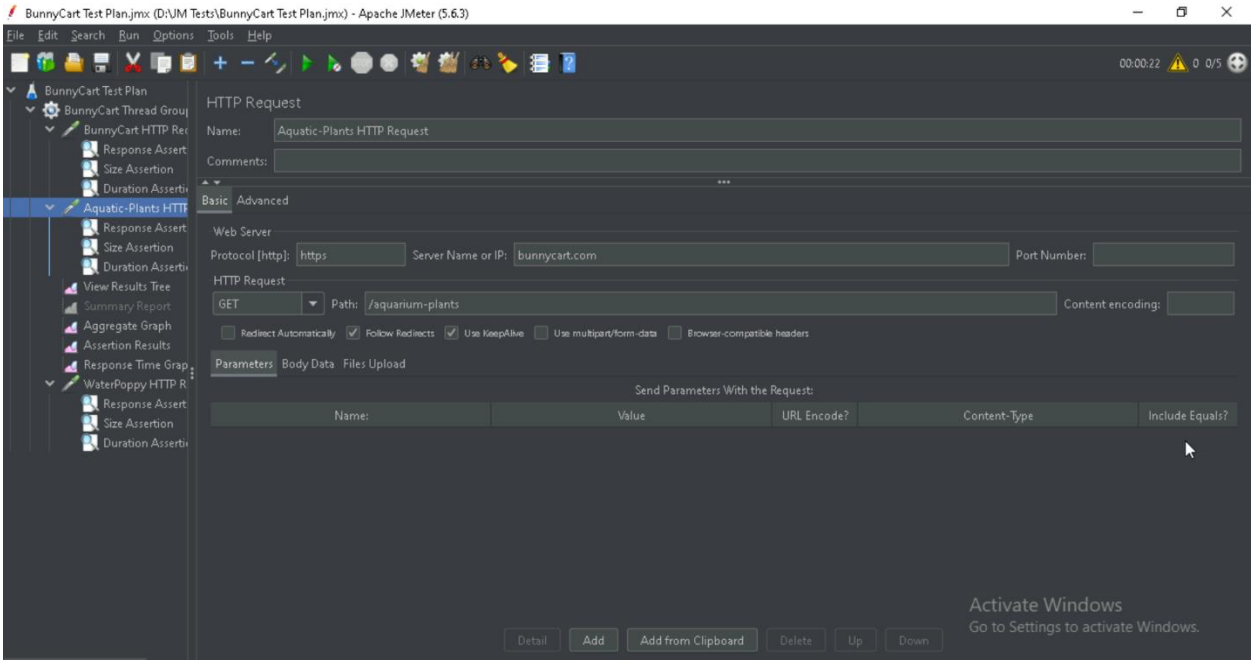


Response Assertion:-

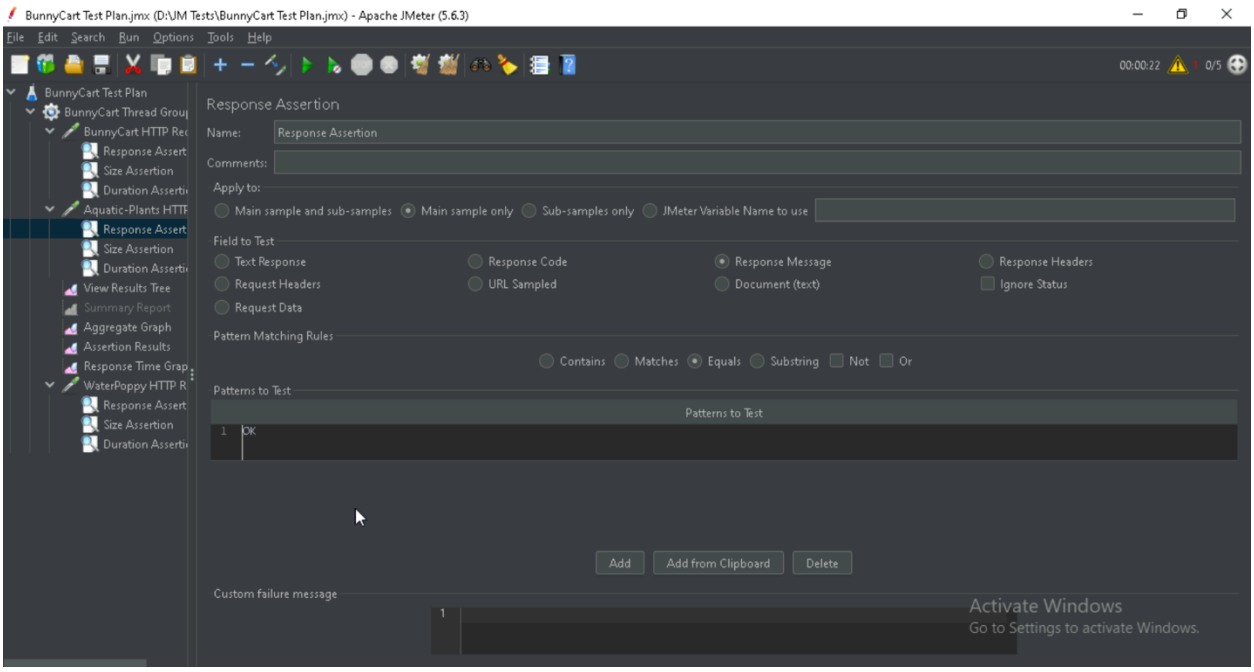


Other assertions(Size and Duration) are same as below.

Aquatic Plants:- [Buy Aquatic Plants online in India - Free Shipping (bunnycart.com)]

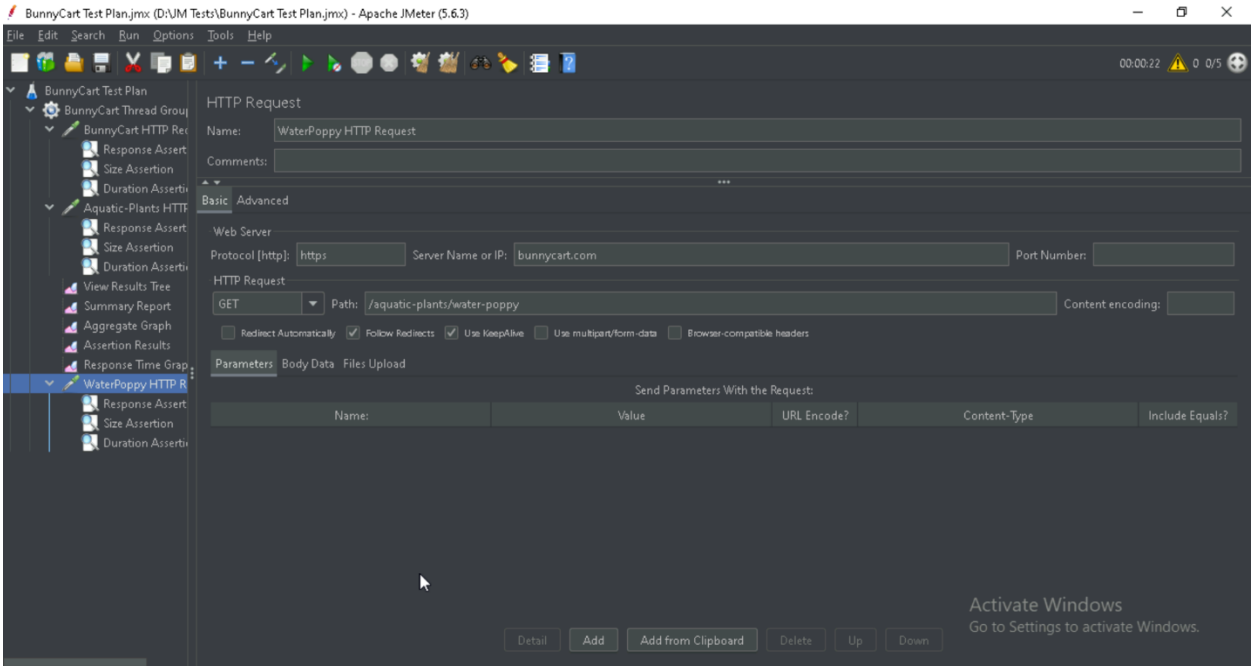


Response Assertion:-

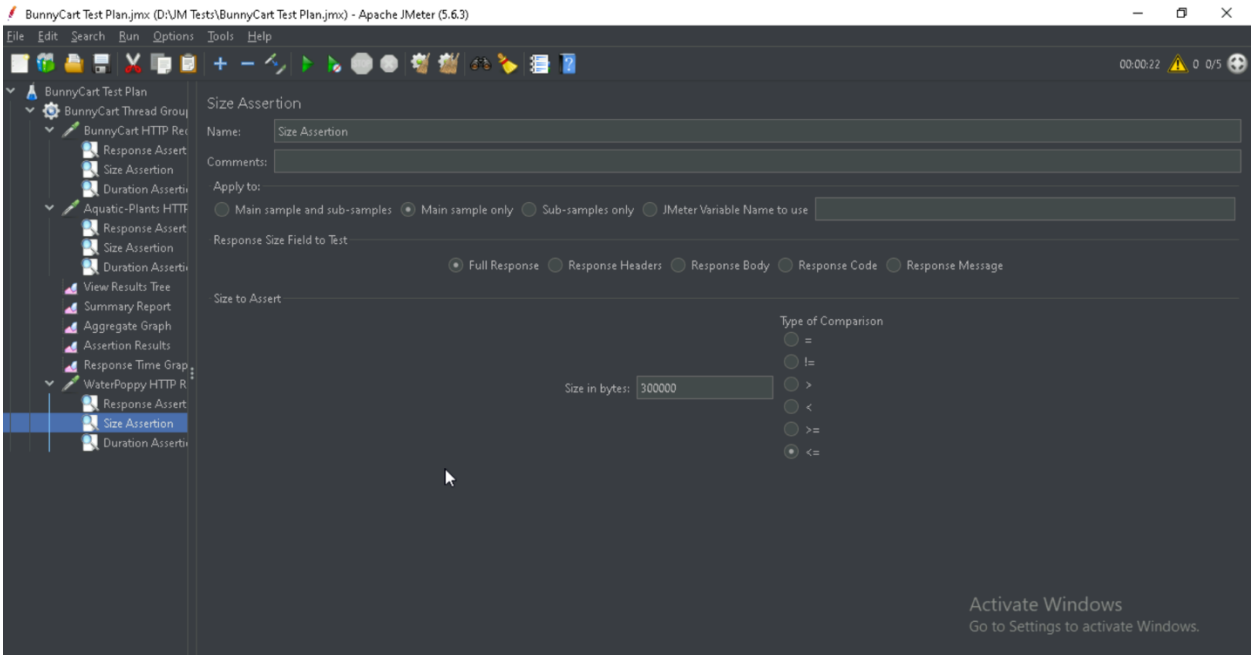


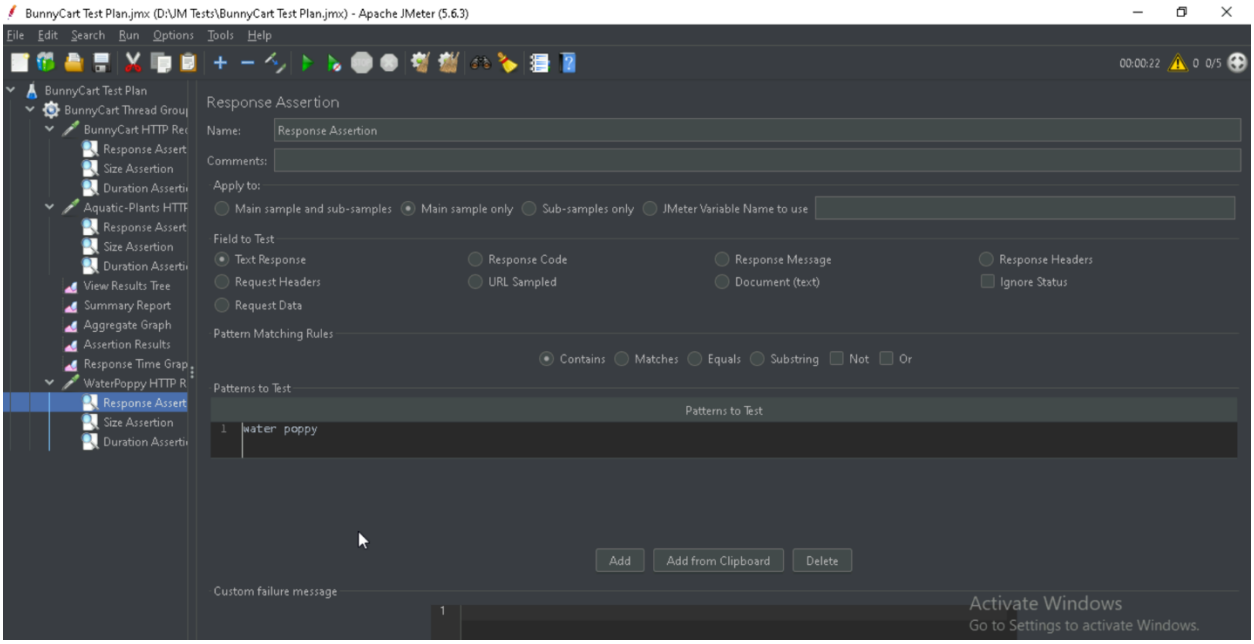
Other assertions(Size and Duration) are same as below

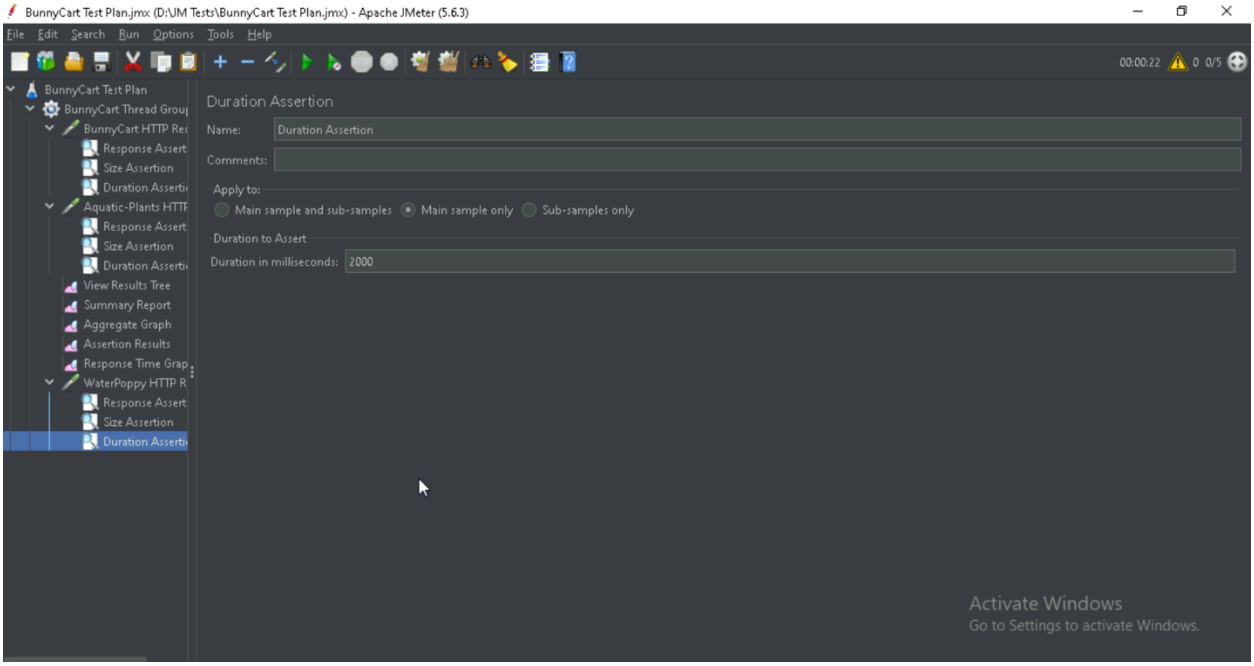
Water Poppy:- Buy Water poppy online (bunnycart.com)



(i) Added Response, Size and Duration Assertion.




BunnyCart Test Plan.jmx (D:\JM Tests\BunnyCart Test Plan.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:22 0 0/5
BunnyCart Test Plan
BunnyCart Thread Grou
BunnyCart HTTP Re
Response Assert
Size Assertion
Duration Assertio
Aquatic-Plants HTTF
Response Assert
Size Assertion
Duration Assertio
View Results Tree
Summary Report
Aggregate Graph
Assertion Results
Response Time Grap
WaterPoppy HTTP R
Response Assert
Size Assertion
Duration Assertio
Response Assertion
Name: Response Assertion
Comments:
Apply to:
Main sample and sub-samples
Main sample only
Sub-samples only
JMeter Variable Name to use
Field to Test
Text Response
Response Code
Response Message
Response Headers
Request Headers
URL Sampled
Document (text)
Ignore Status
Request Data
Pattern Matching Rules
Contains
Matches
Equals
Substring
Not
Or
Patterns to Test
Patterns to Test
1 water poppy
Add
Add from Clipboard
Delete
Custom failure message
1
Activate Windows
Go to Settings to activate Windows.


BunnyCart Test Plan.jmx (D:\JM Tests\BunnyCart Test Plan.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:22 0 0/5
BunnyCart Test Plan
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View Results Tree
Summary Report
Aggregate Graph
Assertion Results
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WaterPoppy HTTP R
Response Assert
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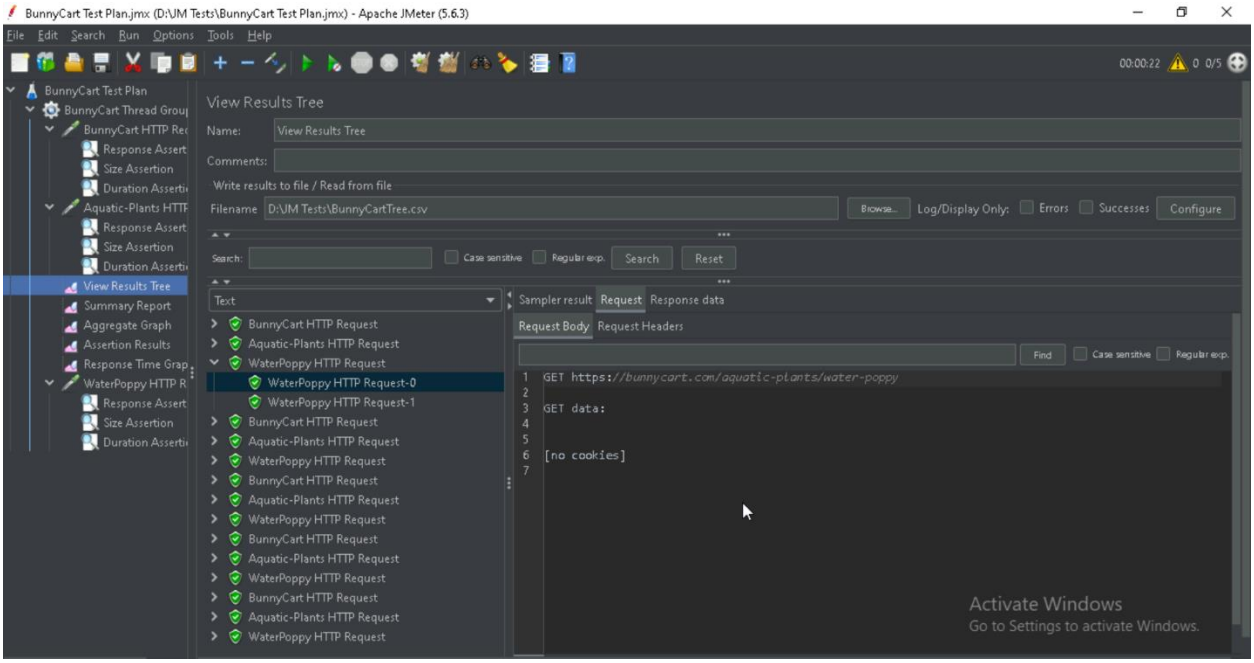
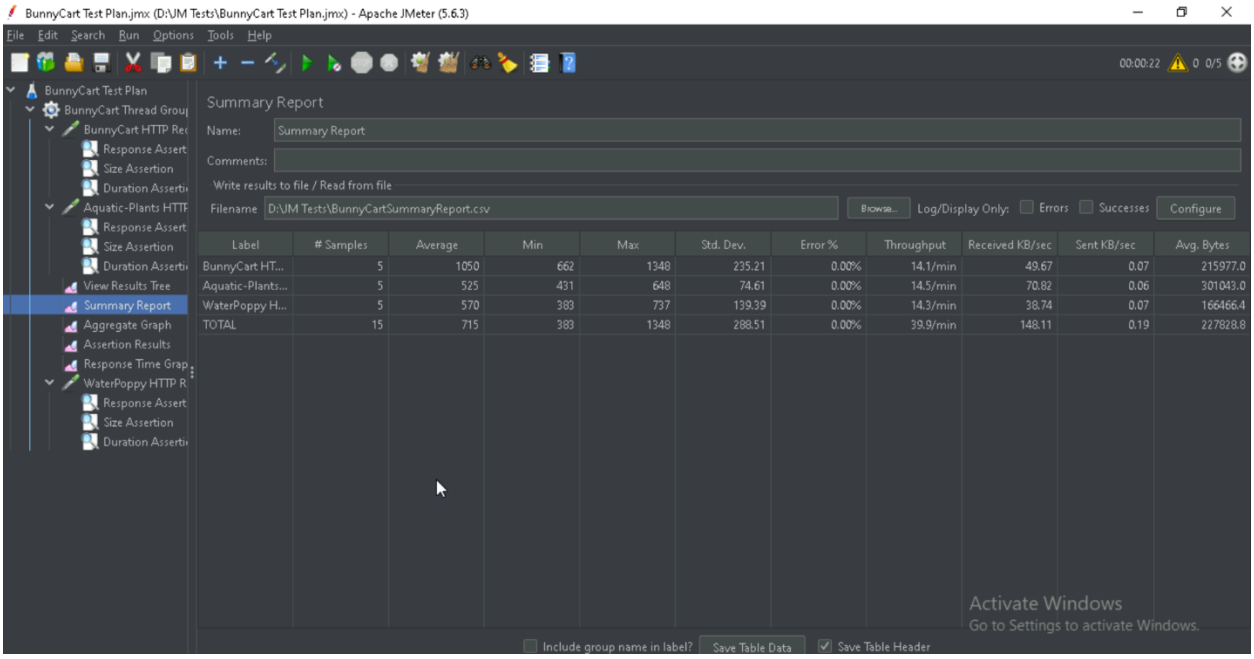
Duration Assertion
Name: Duration Assertion
Comments:
Apply to:
Main sample and sub-samples
Main sample only
Sub-samples only
Duration to Assert
Duration in milliseconds: 2000
Activate Windows
Go to Settings to activate Windows.

Listeners

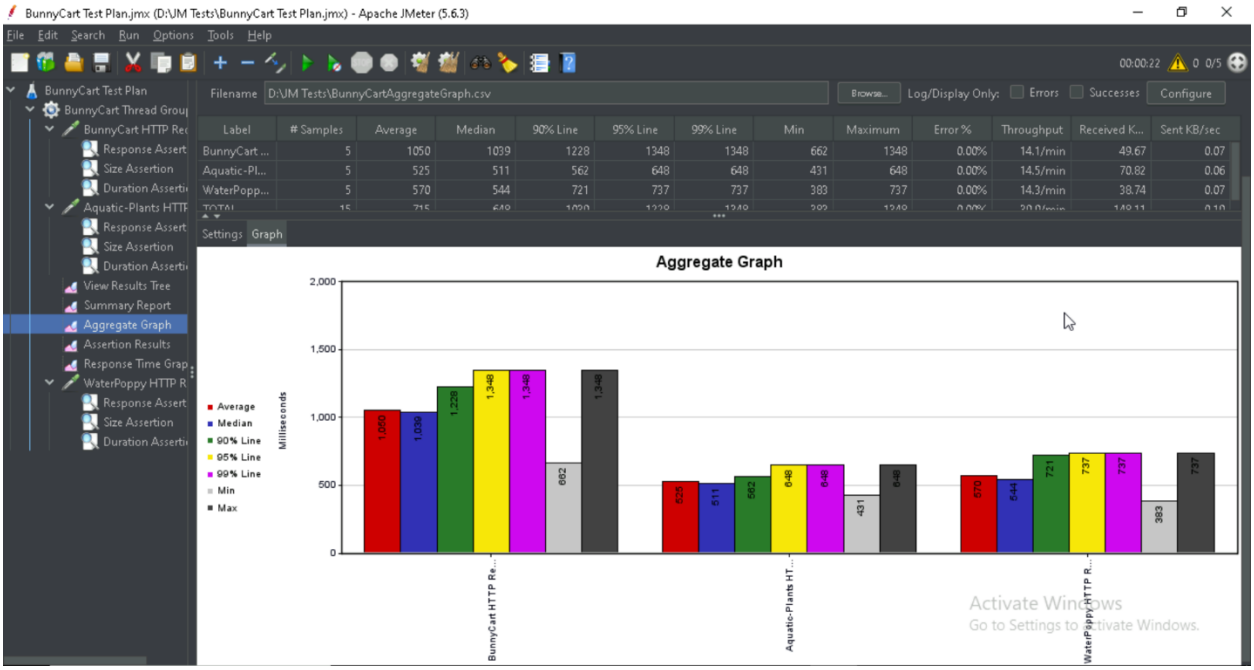
1. View Results Tree



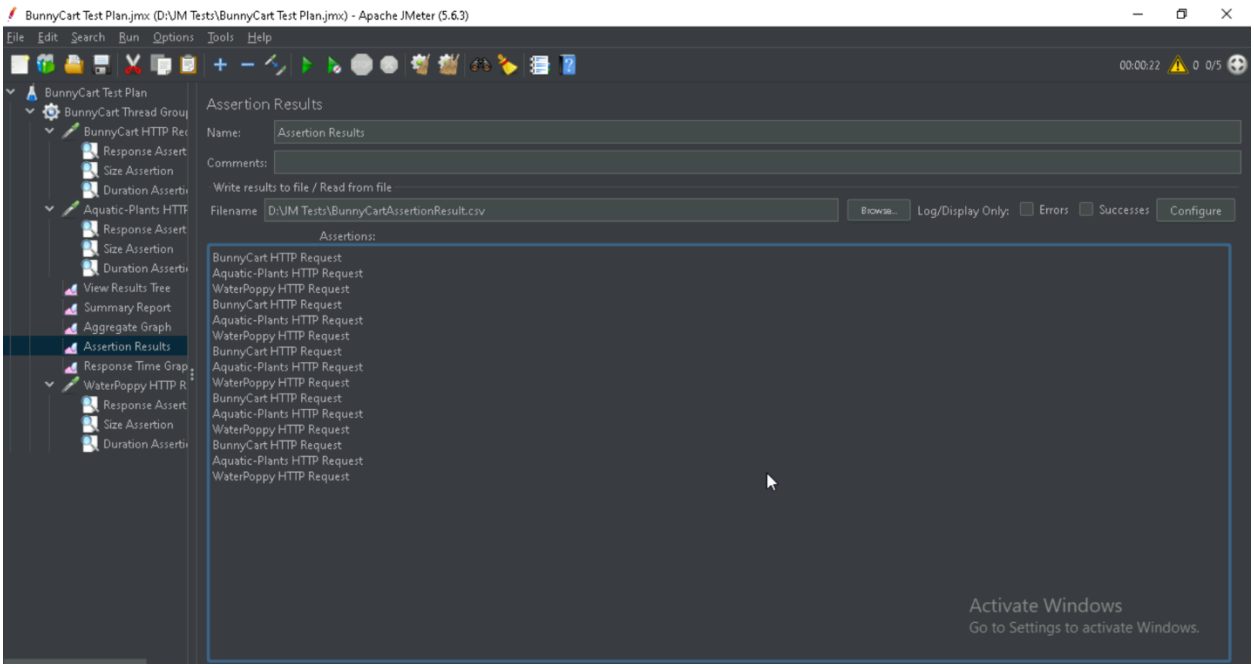
2. Summary Report



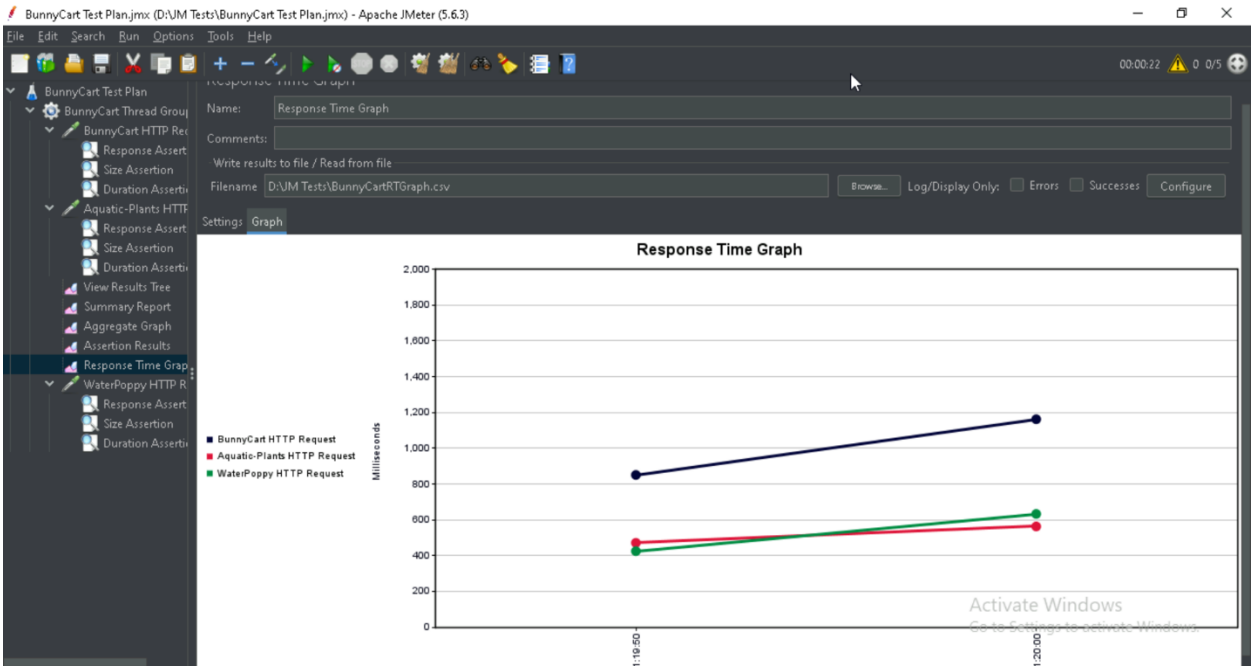
3. Aggregate Graph



4. Assertion Result



5. Response Time Graph

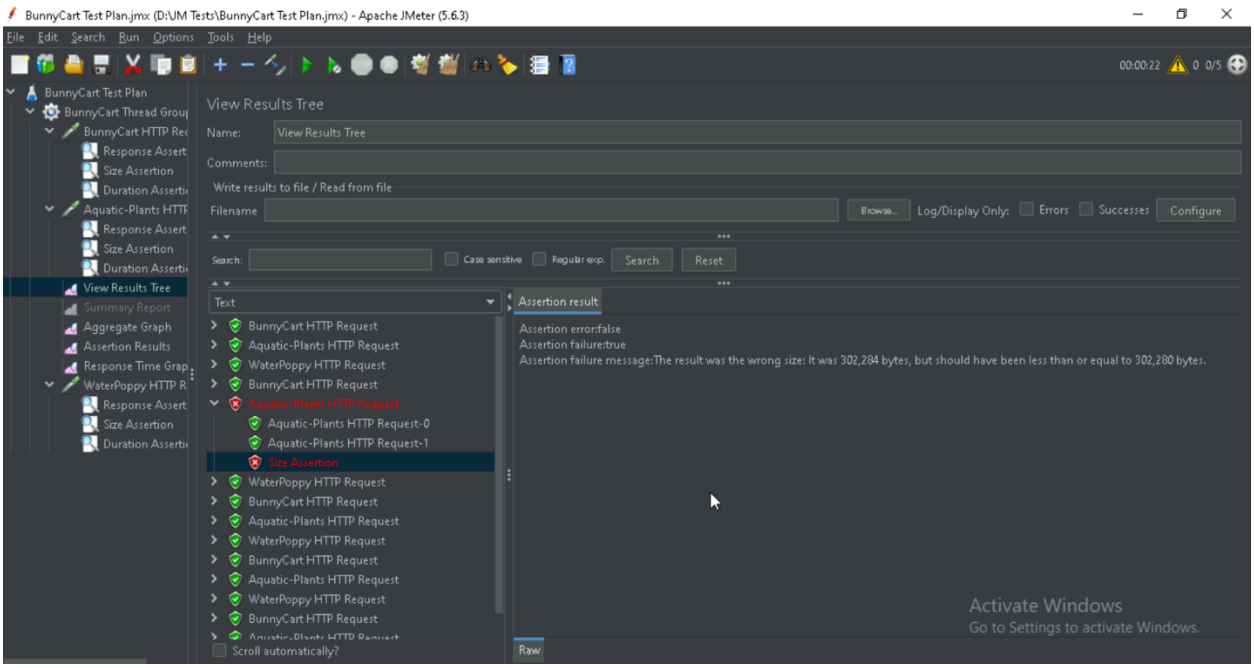


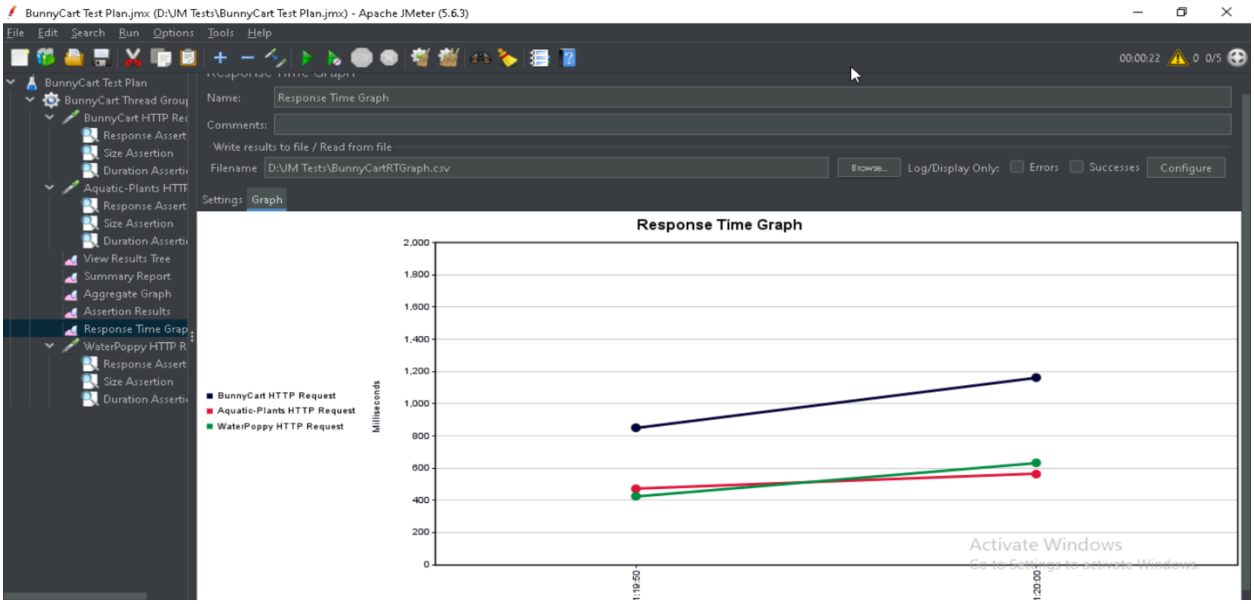
1. What is the average response time for the homepage of the website?

1050

2. Did all requests meet the assertion criteria? If not, what failed?

Size Assertion failed ,because the size is greater than 302,280



3. How does the response time vary over time during the test run?

Response time gradually increases for home page, decreases for Aquatic Plant page and increases for Water Poppy.