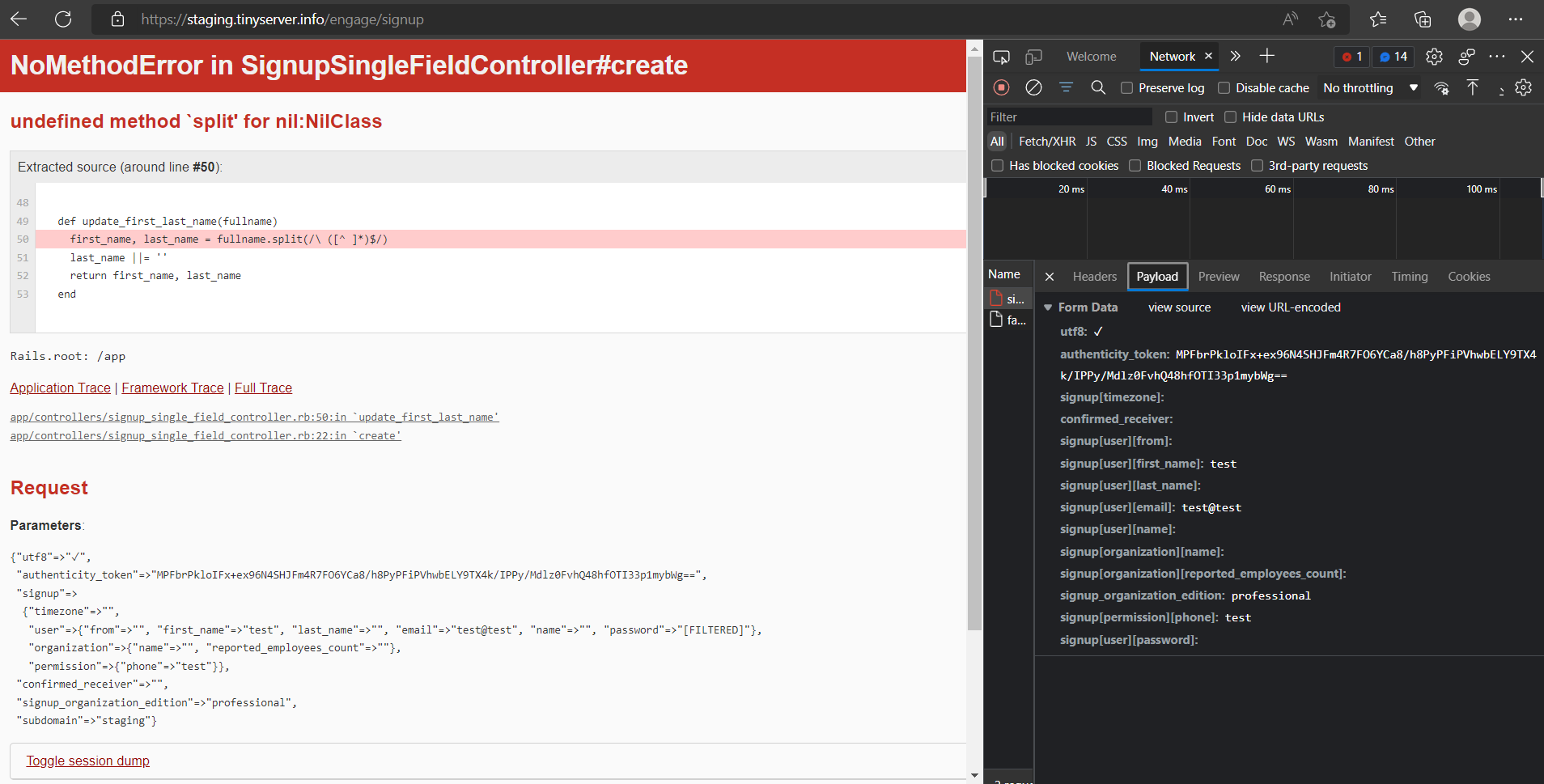
# **Manual Testing**

## How would you test our TINYpulse signup page:

|  |  |  |  |
| --- | --- | --- | --- |
| Test Function | Test Scenario ID | Test Scenario Description | Expected Outcome |
| Register | TS01 | Verify User can sign-up account normally | Work Space should be shown when register successfully |
|  | TS02 | Verify these required fields should be ordered and display after filling correct format | Work Email -> Full Name -> Company Name -> Company Size -> Phone Number -> Password |
|  | TS03 | Verify Warning message should be shown when constraint violations are trigger | “Please fill out this field.” When text field is blank  “Please include an ‘@’ in the email address. ‘<inputEmail >’ is missing an ‘@’.” And “Please enter a part following ‘@’. ‘<inputEmail>@’ is incomplete. Or “A part following ‘@’ should not contain the sympol ‘<incorect\_sympol>’.”, Otherwise “Please match the requested format,” for another cases check email format. |
|  | TS04 | Verify valid email conditions should be checked | “Email is invalid” and “Email has already been taken” message. |
|  | TS05 | Verify System should check blank data when user remove data on fields | “Company name can't be blank” for Company name field  “Number of employees can't be blank” for Number of employments in Company field  “Password can't be blank” for Password field |
|  | TS06 | Verify Password strength should be checked | “Password must be at least eight characters and contain an uppercase letter, a lowercase letter, and a number.” Should be shown when password is too weak. |

When Testing, I see these issues as below:



BugID: BUG01

Bug Description:

Exception NoMethodError displays when full name is blank

Request parameter:

{"utf8"=>"✓",

"authenticity\_token"=>"MPFbrPkloIFx+ex96N4SHJFm4R7FO6YCa8/h8PyPFiPVhwbELY9TX4k/IPPy/Mdlz0FvhQ48hfOTI33p1mybWg==",

"signup"=>

{"timezone"=>"",

"user"=>{"from"=>"", "first\_name"=>"test", "last\_name"=>"", "email"=>"test@test", "name"=>"", "password"=>"[FILTERED]"},

"organization"=>{"name"=>"", "reported\_employees\_count"=>""},

"permission"=>{"phone"=>"test"}},

"confirmed\_receiver"=>"",

"signup\_organization\_edition"=>"professional",

"subdomain"=>"staging"}

## SQL

Table Suggestions & Comments

Write SQL to find out the number of suggestions which were submitted during Q1/2020 and

have at least 1 comment.

Query:

Select count (DISTINCT s.id) from Suggestions s

Inner join Comments c on s.id = c.source\_id

Where c.source\_type = 'Suggestion' and submitted\_at between '2020-01-01' and '2020-03-31'

group by s.id

Explaining:

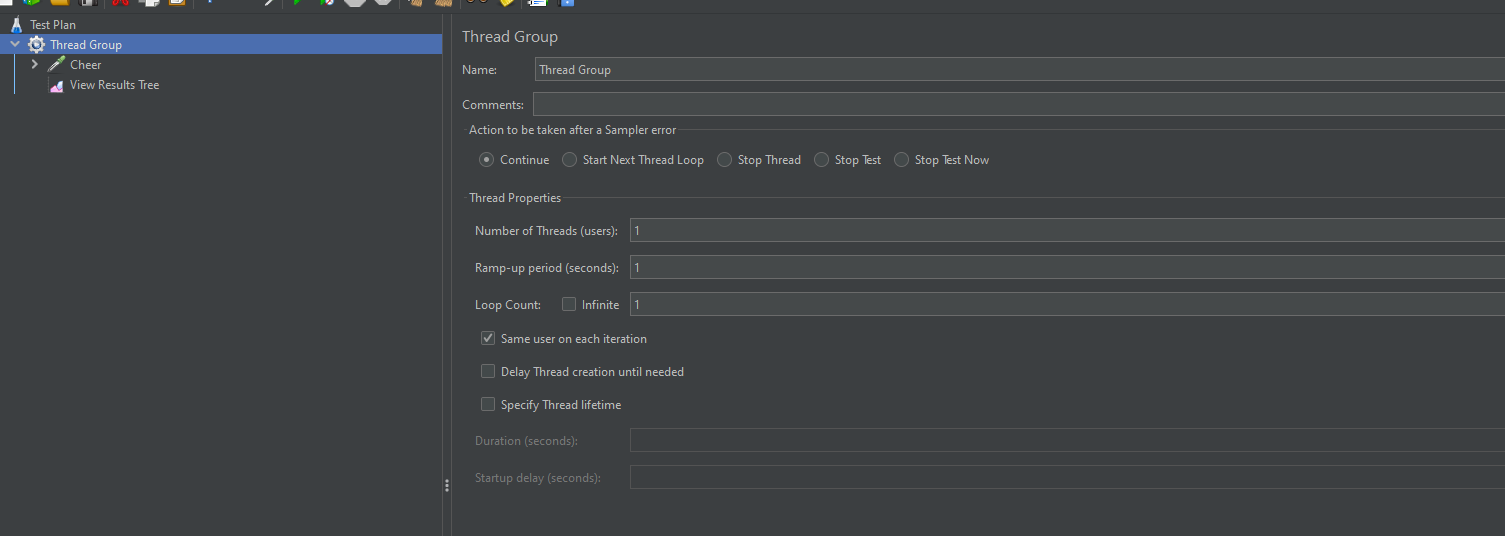
Q1/2020 -> submitted\_at Between Jan – 1 – 2020 -> March – 30 – 2020

have at least 1 comment. -> Suggestions can have more than 1 comment in Comment table -> using DISTINCT to prevent count 1 suggestion has 2 -3… n comments

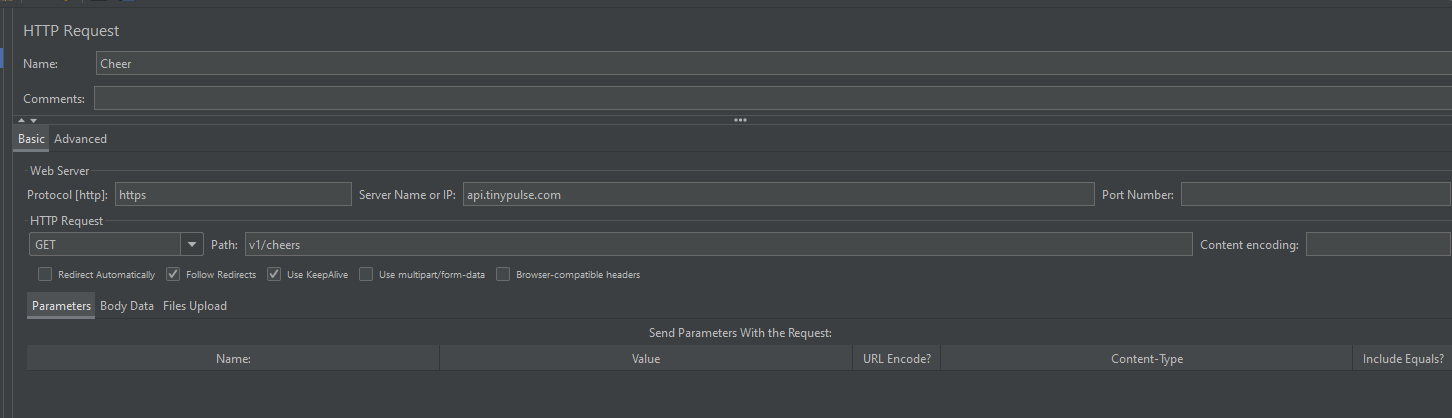
## API Testing

### Setup and test API using Jmeter

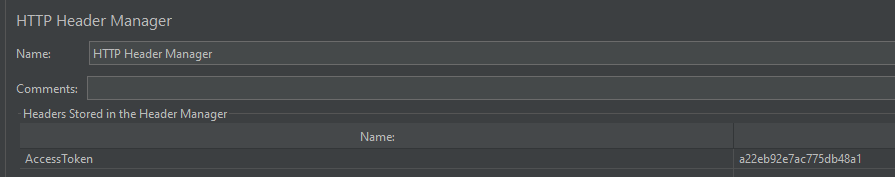
* Setup Environment:
  + Install Java 8+ via <https://www.java.com/en/download/>
  + Install/Download Jmeter via <https://jmeter.apache.org/download_jmeter.cgi>
* Create Test Plan for Testing:
  + Add Theard Group under Test Plan



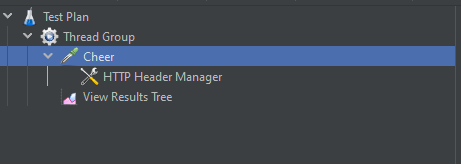
* + Add HTTP Request under Thread Group and input api information



* + Add HTTP Request Manager under HTTP Request and add AccessToken



* + Save this file. Now, we can run test plan to call this api.

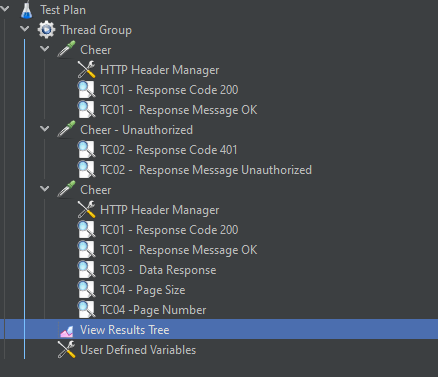


* + - add View Result Tree under Thread Group to see request/response data return.
    - Add Assertions under HTTP request to verify response return

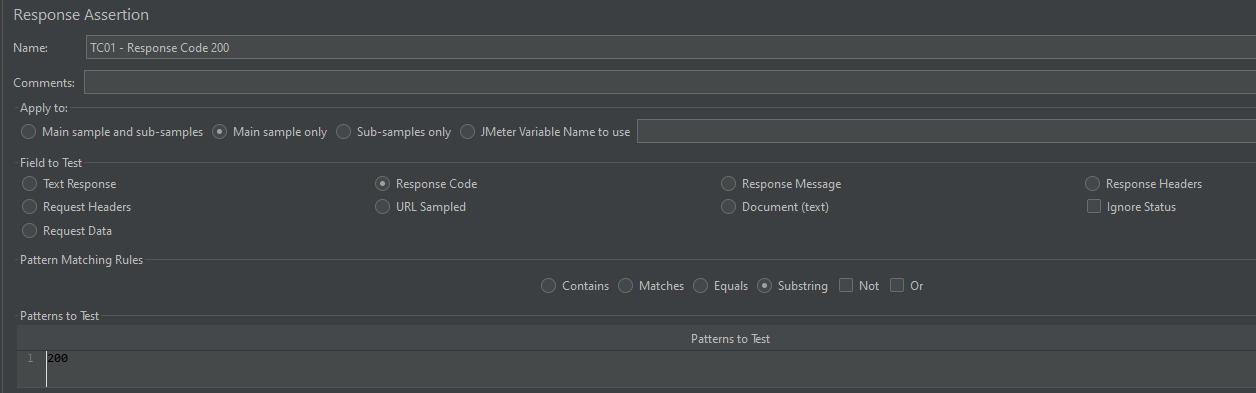
### Test Case to Verify API

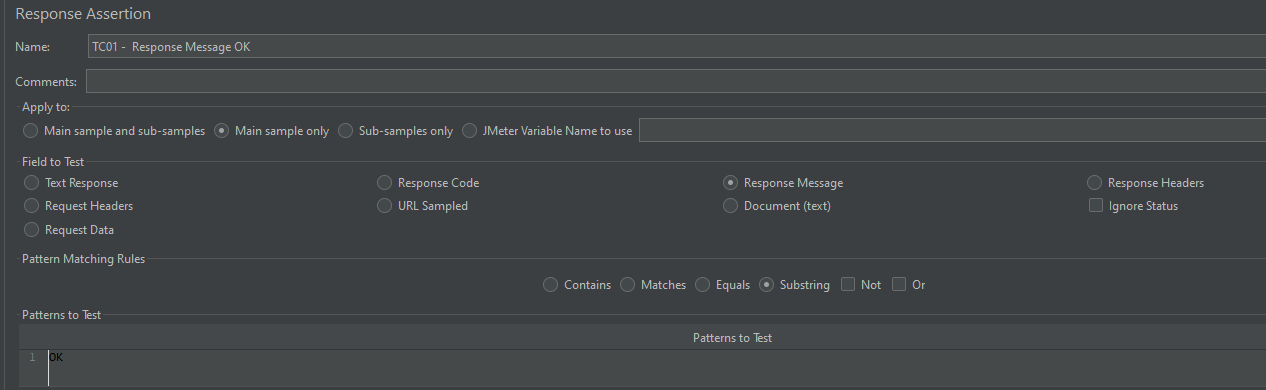
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Function | TestCase ID | TC Name | Expected Result | Priority | Reason | Using Assertions type |
| Authorization | TC01 | Verify response code and response message when input valid data | Response Code: 200  Response Message: OK | High | Api should be work normally when pass valid AccessToken | Response Assertion |
|  | TC02 | Verify response code and response message when don’t send AccessToken to Header | Response Code: 401  Response Message: Unauthorized | High | Api should be denied acces when pass invalid AccessToken or missing AccessToken | Response Assertion |
| Response Data | TC03 | Verify response data should be stored value in data parent note | Json node $.data is existed | Medium | Web developer should be get data normally to render on UI | JSON Assertion |
| Page Size | TC04 | Verify System result page size equal page[size] param | Page[size] = per\_page | Low | By default, Page[size] = 100, when user don’t input this param, no affected to this api, Page[size] between 1 -> 100 | JSON Assertion |
| Page Number | TC05 | Verify System result page number equal page[number] param | Page[number] = current\_page | Low | By default, Page[number] = 1, when user don’t input this param, no affected to this api,  Page[number] is positive number | JSON Assertion |

Assertion sampler for TestCase:

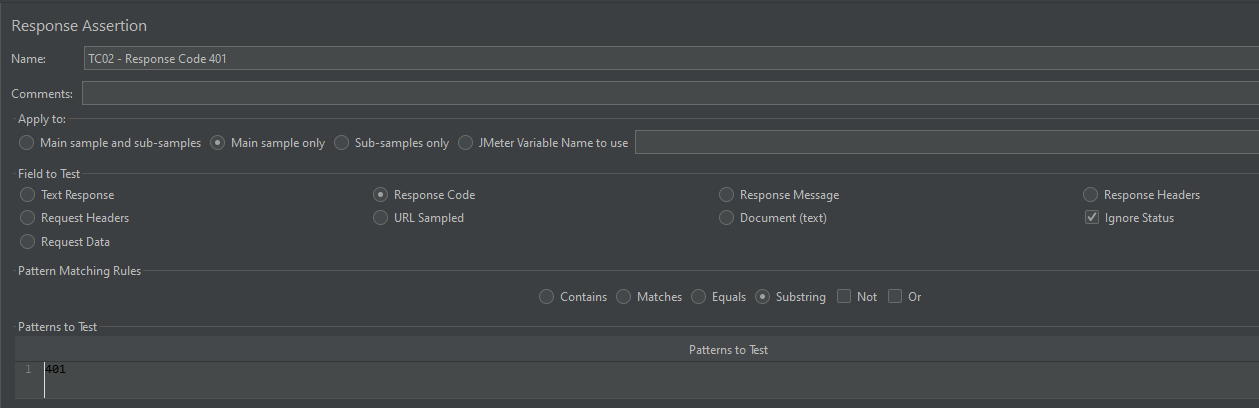
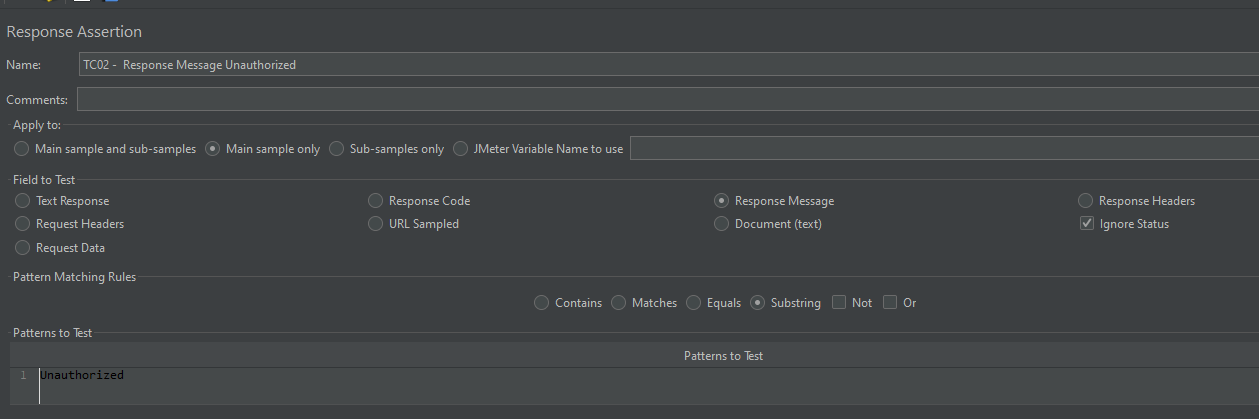


TC01

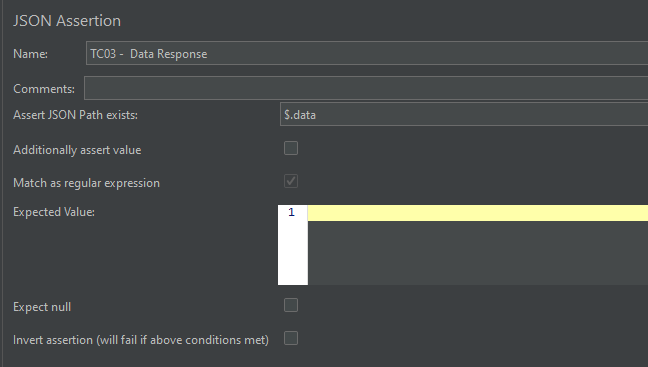




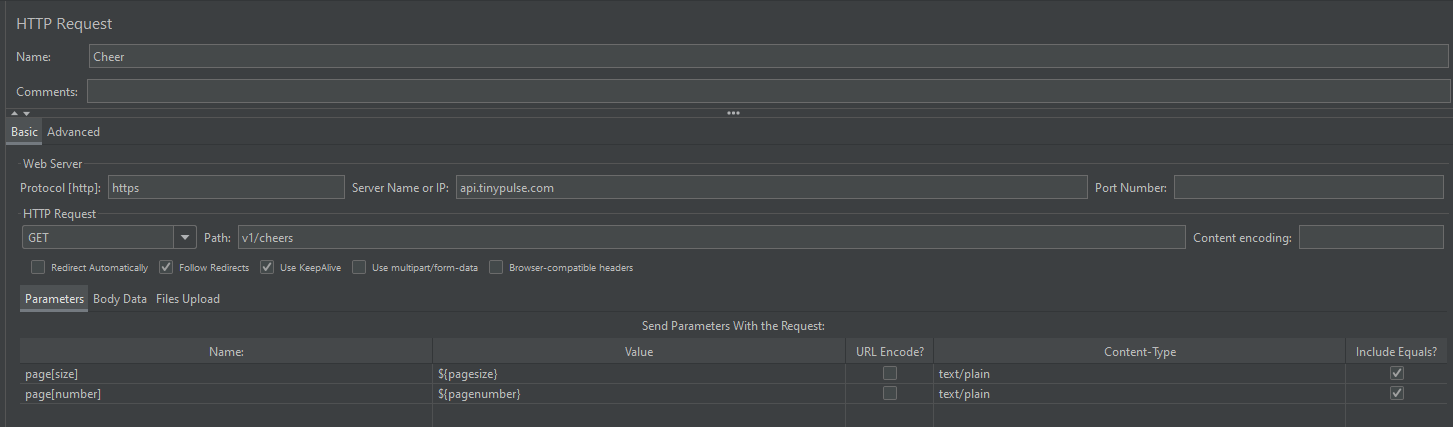
TC02

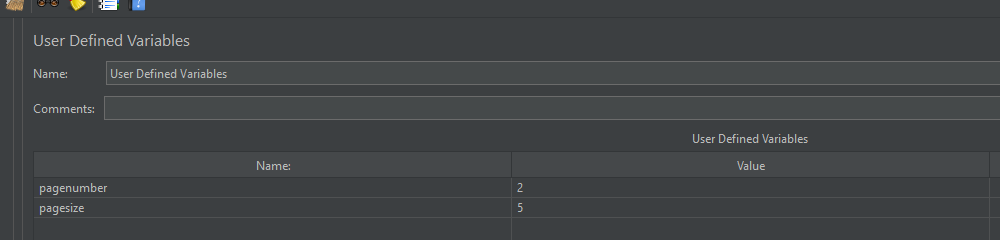
 

TC03

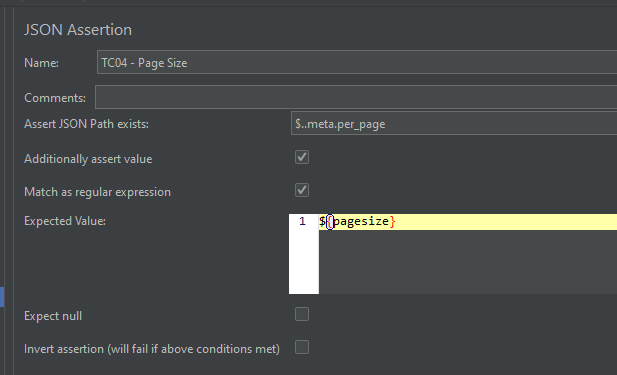


Request for TC03 and TC04

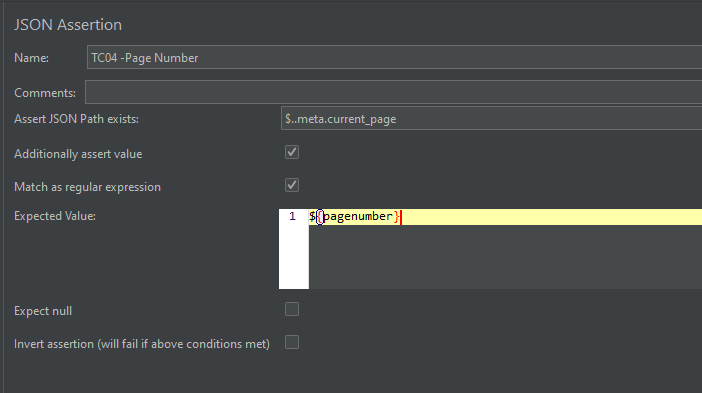




TC04



TC05



# **Automation Testing**

To check framework, please access this url: https://github.com/ChinhNguyenQC/exam\_for\_limeade