

# ScreenShots:

## (#1.RestAssured)

### (Code-Snippet)

```
1 package Capstone_Project;
2
3 import java.util.HashMap;
4
5 Run All
6 public class RestAssured_Testing {
7
8     @Test(priority=1)
9     Run | Debug
10    public void get_all_products()
11    {
12        RestAssured.given()
13            .baseUrl("http://localhost:9010")
14            .basePath("/get-products")
15            .when().get()
16            .then().statusCode(200)
17            .log().all();
18    }
19
20    @Test(priority=2)
21    Run | Debug
22    public void get_all_users() {
23
24        RestAssured.given()
25            .baseUrl("http://localhost:9010")
26            .basePath("/get-users")
27            .when().get()
28            .then().statusCode(200)
29            .log().all();
30    }
31
32    @Test(priority=3)
33    Run | Debug
34    public void add_Product() {
35
36
37
38
```

```
    public void add_Product() {
39
40        HashMap<String, String> map = new HashMap<String, String>();
41
42        map.put("id", "999");
43        map.put("image", ".png");
44        map.put("name", "Disprin");
45        map.put("category", "medicine");
46        map.put("brand", "BZ Medico");
47        map.put("status", "1");
48        map.put("price", "100");
49
50        RestAssured.given()
51            .baseUrl("http://localhost:9010")
52            .basePath("/add-product")
53            .contentType("application/json")
54            .body(map)
55            .when().post()
56            .then().statusCode(200).log().all();
57
58    }
59
60    @Test(priority=4)
61    Run | Debug
62    public void update_ProductName() {
63
64        HashMap<String, String> map = new HashMap<String, String>();
65
66        map.put("id", "999");
67        map.put("image", "2.png");
68        map.put("name", "Disprin+");
69        map.put("category", "medicine");
70        map.put("brand", "BZ Medico");
71
72    }
73
```

```
88     public void update_ProductStatus() {
89
90         HashMap<String, String> map = new HashMap<String, String>();
91
92         map.put("id", "999");
93         map.put("image", "2.png");
94         map.put("name", "Disprin+");
95         map.put("category", "medicine");
96         map.put("brand", "BS Medico");
97         map.put("status", "0");
98         map.put("price", "120");
99
100         RestAssured.given()
101             .baseUrl("http://localhost:9010")
102             .basePath("/update-product-status")
103             .contentType("application/json")
104             .body(map)
105             .when().put()
106             .then().statusCode(200).log().all();
107
108     }
109
110     @Test(priority=6)
111     Run | Debug
112     public void deleteProduct() {
113
114         RestAssured.given()
115             .baseUrl("http://localhost:9010")
116             .basePath("/delete-product")
117             .queryParams("id", "101")
118             .when().delete()
119             .then().statusCode(200)
120             .log().all();
121
122     }
123 }
```

## (OUTPUT Snippet)

```
88     public void update_ProductStatus() {
89
90         HashMap<String, String> map = new HashMap<String, String>();
91
```

Problems | Javadoc | Declaration | Console | Progress | Results of running class RestAssured\_Testing ×

Search:

Passed: 6 | Failed: 0 | Skipped: 0 | Tests: 1/1 | Methods: 6 (2092 ms)

All Tests | Failed Tests | Summary

Default suite ( 6/0/0/0 ) (1.792 s)

- Default test ( 1.792 s)
  - Capstone\_Project.RestAssured\_Testing
    - get\_all\_products (1.347 s)
    - get\_all\_users (0.023 s)
    - add\_Product (0.344 s)
    - update\_ProductName (0.02 s)
    - update\_ProductStatus (0.019 s)
    - deleteProduct (0.039 s)

Failure Exception

## #2 Selenium Scripts using TestNG:

### (Code Snippet)

```
CP-Selenium/po... TestBase.java x HomePage.java TestAll_Page.java Capstons_Cucumb... CucumberApi.feat... StepDefinationFi... RestAssured_Testi...
1 package Base;
2
3 import java.time.Duration;
4
5 import org.openga.selenium.WebDriver;
6 import org.openga.selenium.chrome.ChromeDriver;
7
8 public class TestBase {
9
10     public static WebDriver driver;
11
12
13     public static void openBrowser(String browser) {
14
15         driver = new ChromeDriver();
16
17         driver.manage().window().maximize();
18         driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
19         driver.get("http://localhost:9010/");
20     }
21
22 }
23
```

```
CP-Selenium/po... TestBase.java x HomePage.java TestAll_Page.java Capstons_Cucumb... CucumberApi.feat... StepDefinationFi... RestAssured_Testi...
1 package HomePage;
2
3 import org.openga.selenium.WebDriver;
4
5 public class HomePage {
6
7
8     @FindBy(xpath = "//input[@id='email']")
9     WebElement Email;
10
11     @FindBy(id = "password")
12     WebElement password;
13
14     @FindBy(xpath = "//button[contains(text(),'Login')]")
15     WebElement login;
16
17     @FindBy(id = "cart102")
18     WebElement AddToCart;
19
20     @FindBy(linkText = "Home")
21     WebElement Home;
22
23     @FindBy(linkText = "Cart")
24     WebElement Cart;
25
26     @FindBy(linkText = "Place Order")
27     WebElement PlaceOrder;
28
29     @FindBy(id = "search-product")
30     WebElement Search;
31
32     @FindBy(id = "filter-button")
33     WebElement Filter;
34
35     @FindBy(xpath = "//ul[@class='dropdown-menu show']/descendant::a[@id='lth']")
36     WebElement Filter_option;
37
38
39
40
41

```

```
CP-Selenium/po... TestBase.java HomePage.java TestAll_Page.java Capstons_Cucumb... CucumberApi.feat... StepDefinationFi... RestAssured_Testi...
76     Home.click();
77 }
78
79
80 public void ClickOnCart() {
81
82     Cart.click();
83 }
84
85 public void ClickOnPlaceOrder() {
86
87     PlaceOrder.click();
88 }
89
90 public void ClickOnFilter() {
91     System.out.println("Filter");
92     Filter.click();
93 }
94
95 public void ClickOnFilter_option() {
96     System.out.println("Filter_option");
97     Filter_option.click();
98 }
99
100 public void ClickOnSearch() {
101
102     Search.click();
103     Search.sendKeys("Hamdard Safi Natural Blood Purifier Syrup");
104 }
105
106 public void ClickOnSearchButton() {
107
108     SearchButton.click();
109 }
110
111 }
112 }
113 }
```

```
CP-Selenium/po... TestBase.java HomePage.java *TestAll_Page.java Capstons_Cucumb... CucumberApi.feat... StepDefinationFi... RestAssured_Testi...
12 public class TestAll_Page extends TestBase {
13
14     HomePage hp;
15
16     @BeforeClass
17     public void OpenApp() {
18
19         openBrowser("Chrome");
20         hp = new HomePage(driver);
21     }
22
23     @Test(priority = '1')
24     Run | Debug
25     public void Registration_Page() throws InterruptedException {
26
27         Thread.sleep(2000);
28         hp.EnterEmail();
29         Thread.sleep(2000);
30         hp.EnterPassword();
31         Thread.sleep(2000);
32         hp.clickOnLogin();
33         ((JavascriptExecutor) driver).executeScript("window.scrollTo(0,650)");
34         Thread.sleep(2000);
35     }
36     @Test(priority = '2')
37     Run | Debug
38     public void AddToCart_Page() throws InterruptedException{
39         hp.clickOnAddToCart();
40         Thread.sleep(2000);
41         hp.Home();
42         Thread.sleep(2000);
43         hp.ClickOnCart();
44         ((JavascriptExecutor) driver).executeScript("window.scrollTo(0,6500)");
45         Thread.sleep(5000);
46     }
47     @Test(priority = '3')
48     Run | Debug
49     ...
50 }
```

```
CP-Selenium/po... TestBase.java HomePage.java *TestAll_Page.java x Capstons_Cucum... CucumberApi.fe... StepDefinationFi... RestAssured_Test...
44     Thread.sleep(5000);
45 }
46 @Test(priority = '3')
47 public void PlaceOrder_Page() throws InterruptedException{
48     hp.ClickOnPlaceOrder();
49     Thread.sleep(2000);
50     hp.Home();
51     Thread.sleep(1000);
52 }
53 @Test(priority = '4')
54     Run | Debug
55 public void SearchProduct_Page() throws InterruptedException{
56     hp.ClickOnSearch();
57     hp.ClickOnSearchButton();
58     ((JavascriptExecutor) driver).executeScript("window.scrollTo(0,650)");
59     //Thread.sleep(1000);
60     hp.Home();
61 }
62
63 @Test(priority = '5')
64     Run | Debug
65 public void Filter_Page() throws InterruptedException{
66     ((JavascriptExecutor) driver).executeScript("window.scrollTo(0,650)");
67     Thread.sleep(4000);
68     hp.ClickOnFilter();
69     Thread.sleep(2000);
70     hp.ClickOnFilter_option();
71 }
72
73 @AfterClass public void CloseApp() {
74     driver.quit();
75 }
76
77 }
78
```

## (OUTPUT)

Problems Javadoc Declaration Console Progress Results of running class TestAll\_Page x

Search: Passed: 5 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 5 (31567 ms)

All Tests Failed Tests Summary

Default suite (5/0/0) (27.961 s)

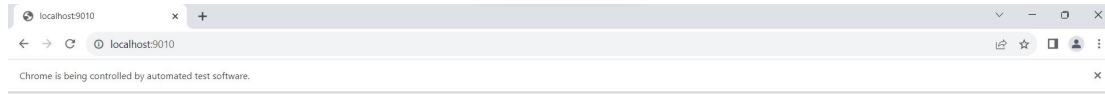
Default test (27.961 s)

HomePageTest.TestAll\_Page

- Registration\_Page (8.475 s)
- AddToCart\_Page (9.509 s)
- PlaceOrder\_Page (3.207 s)
- SearchProduct\_Page (0.532 s)
- Filter\_Page (6.238 s)

Failure Exception

## (Web Snippet)



# Medicare

Powered By Simplilearn

Your Health, Our Priority: Navigating Wellness, One Click at a Time

## Login Yourself

Email:

Password:

Login


[New User? Register Here](#)




# HEALTH CARE

Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the industry's standard dummy text ever since the 1500s. Lorem ipsum is simply dummy text of the printing and typesetting industry.


BEST SELLER



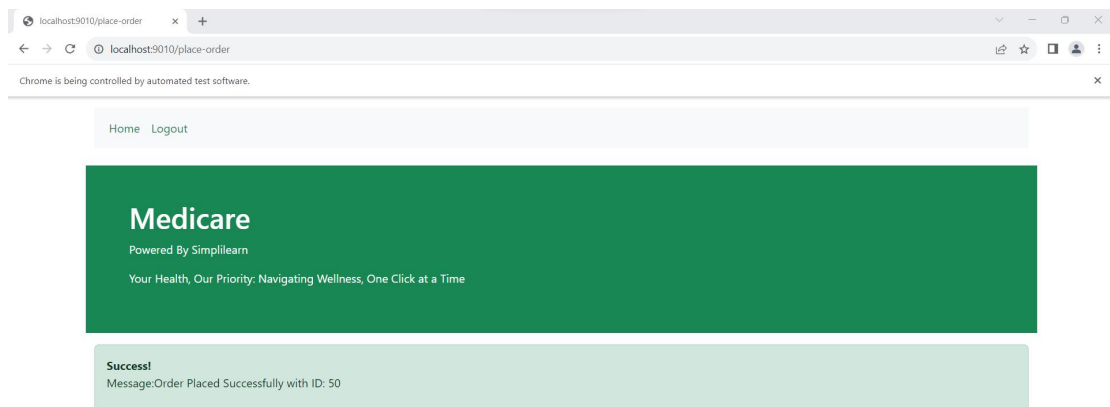
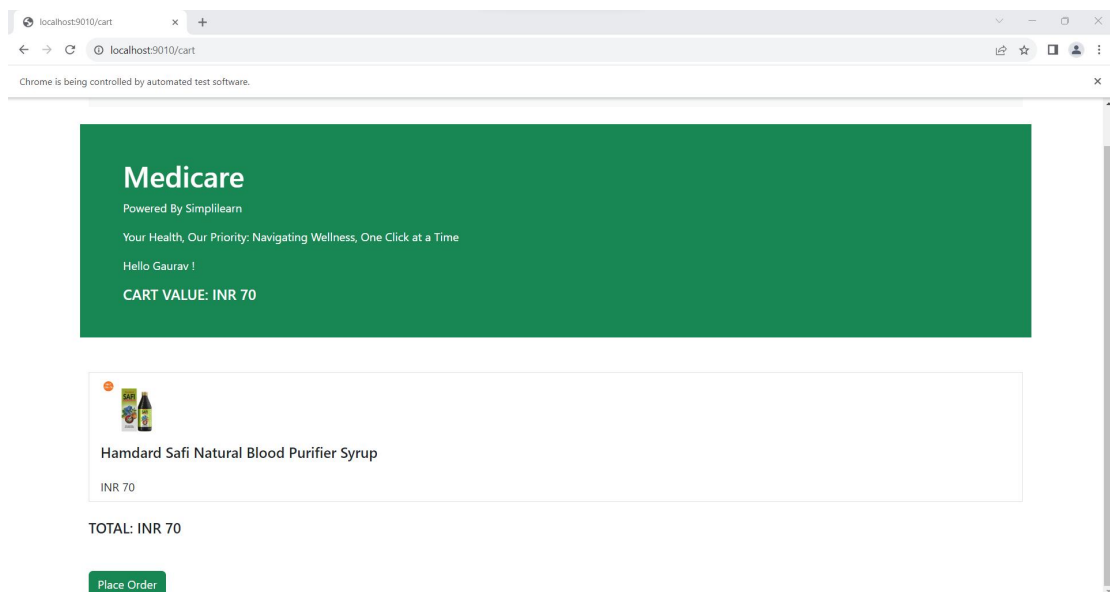
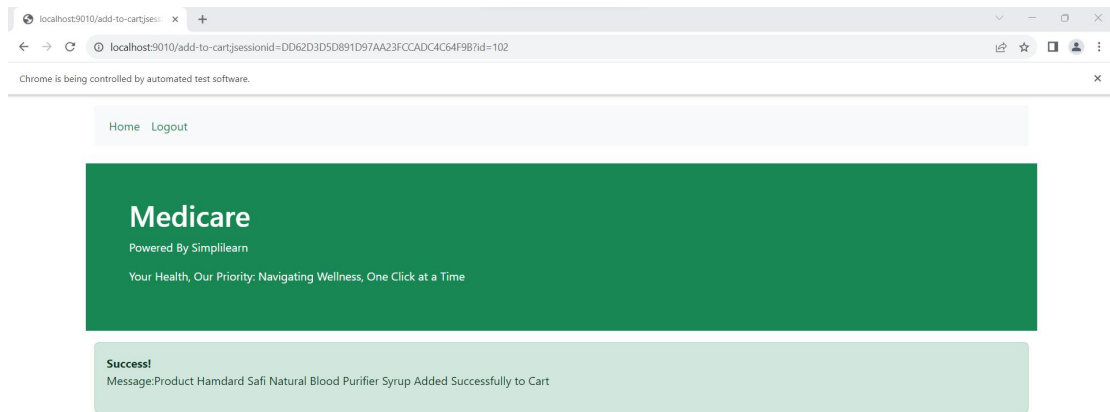
SALE

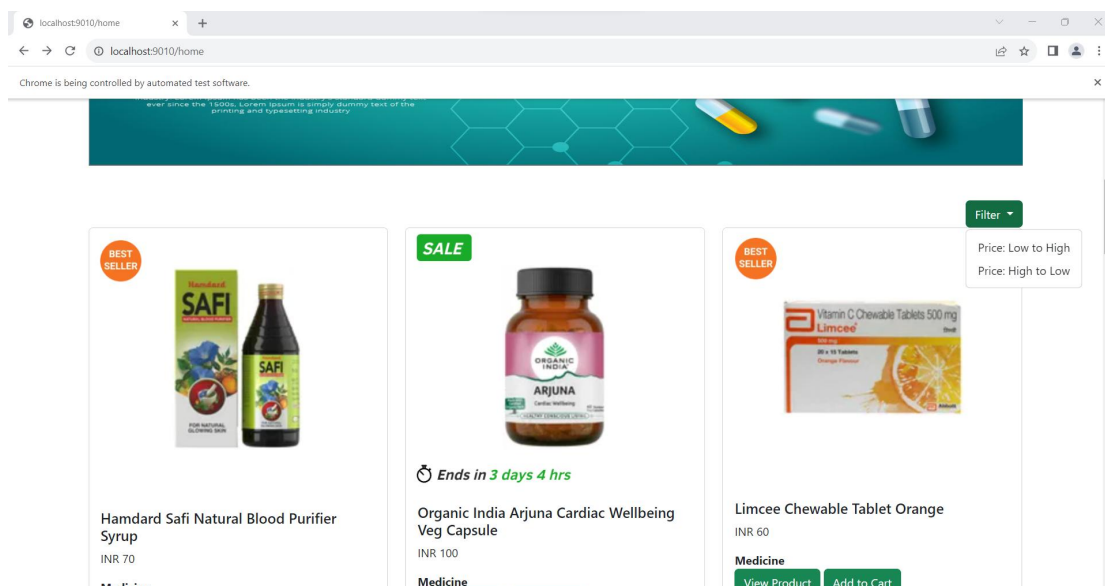
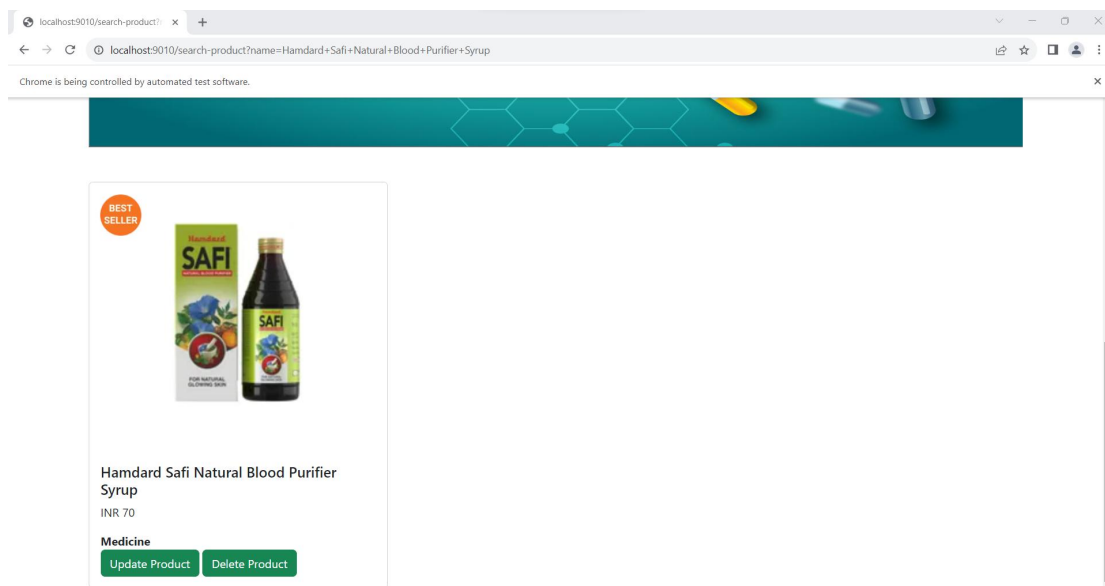
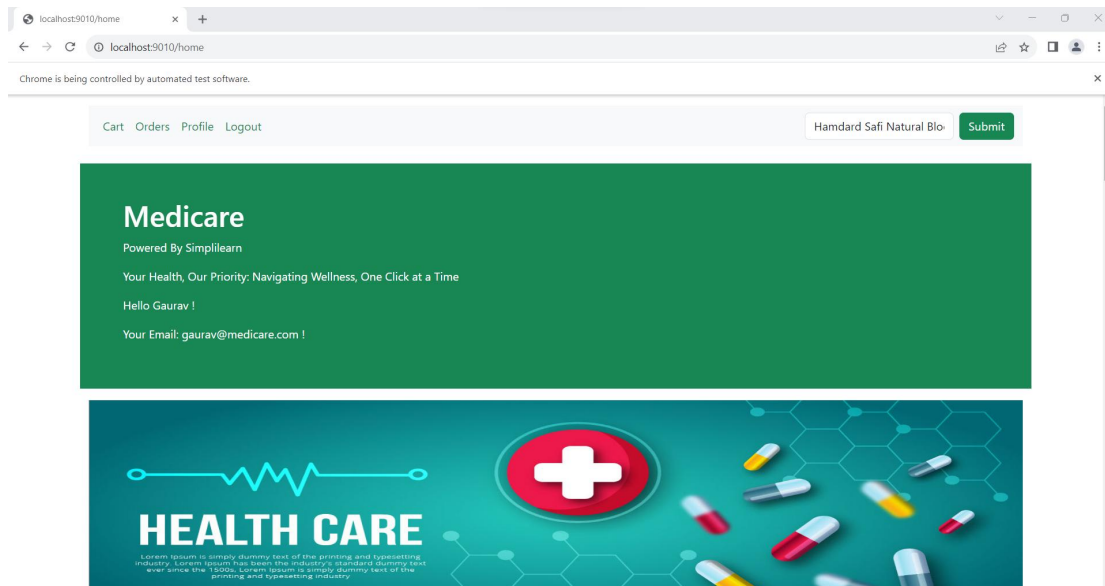


BEST SELLER



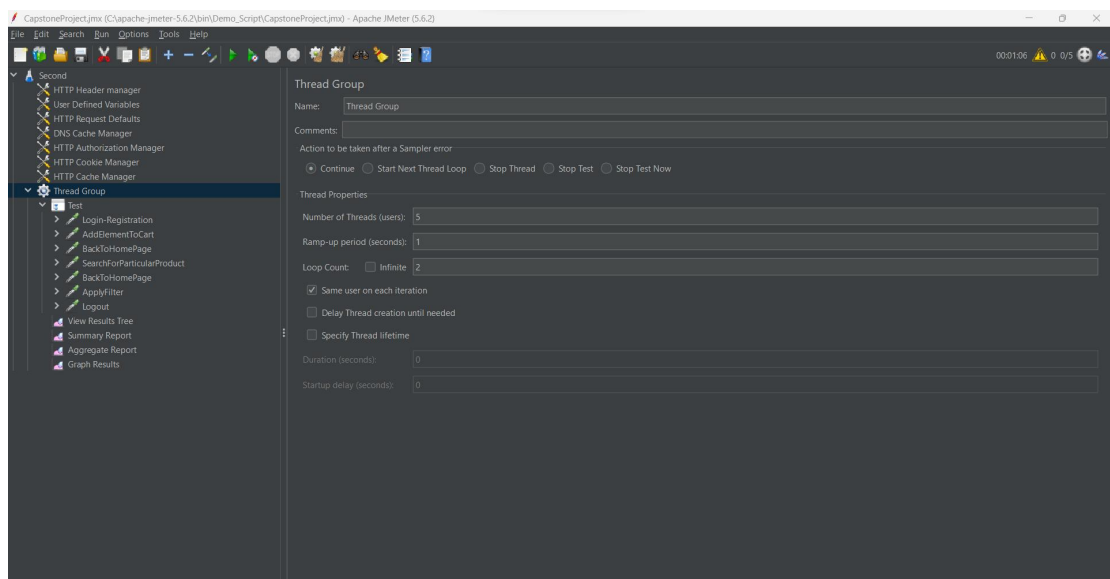
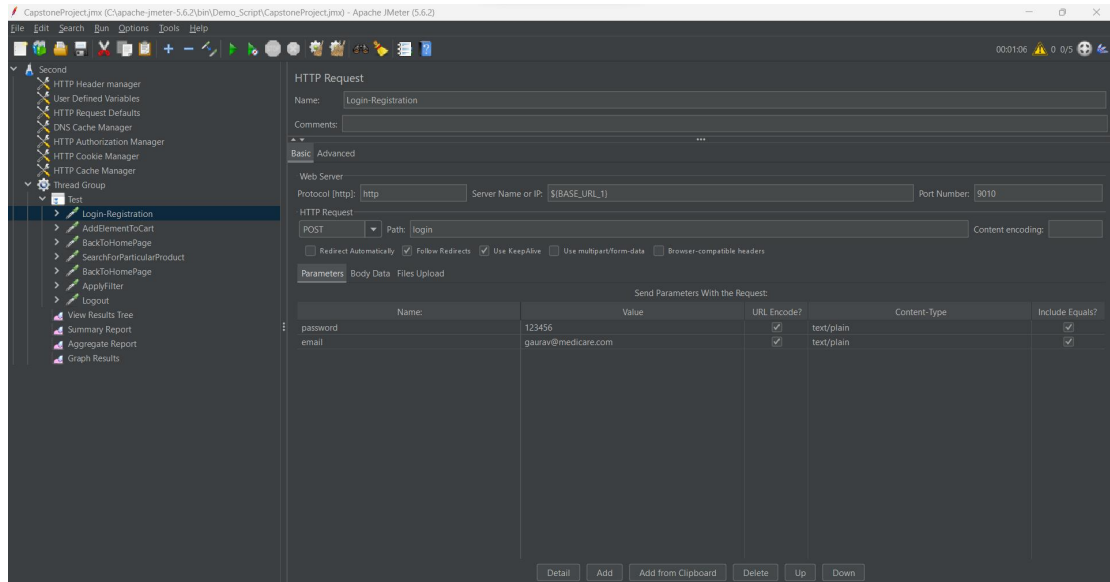
Filter

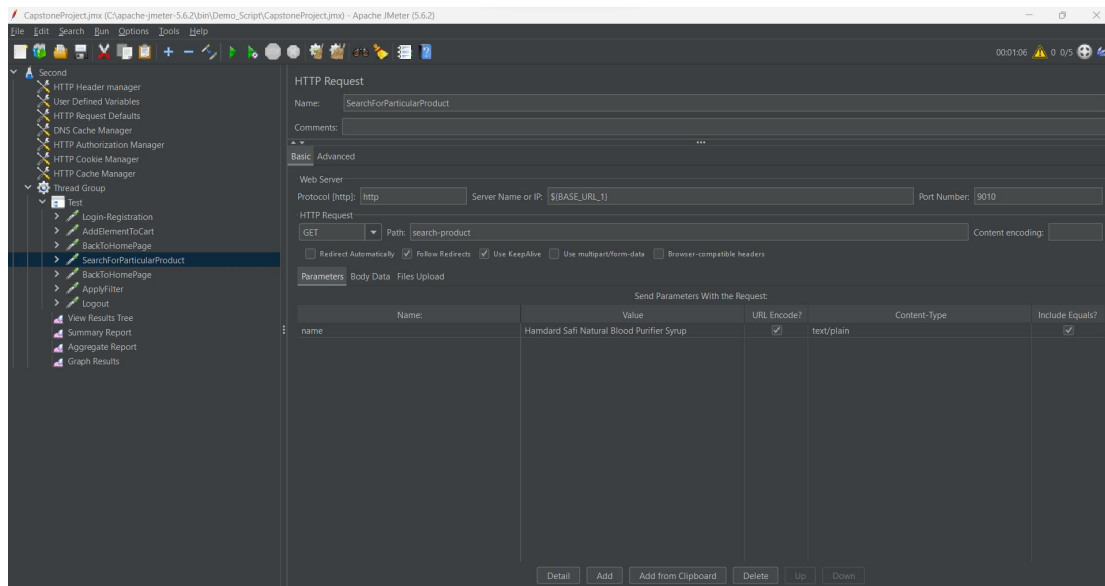




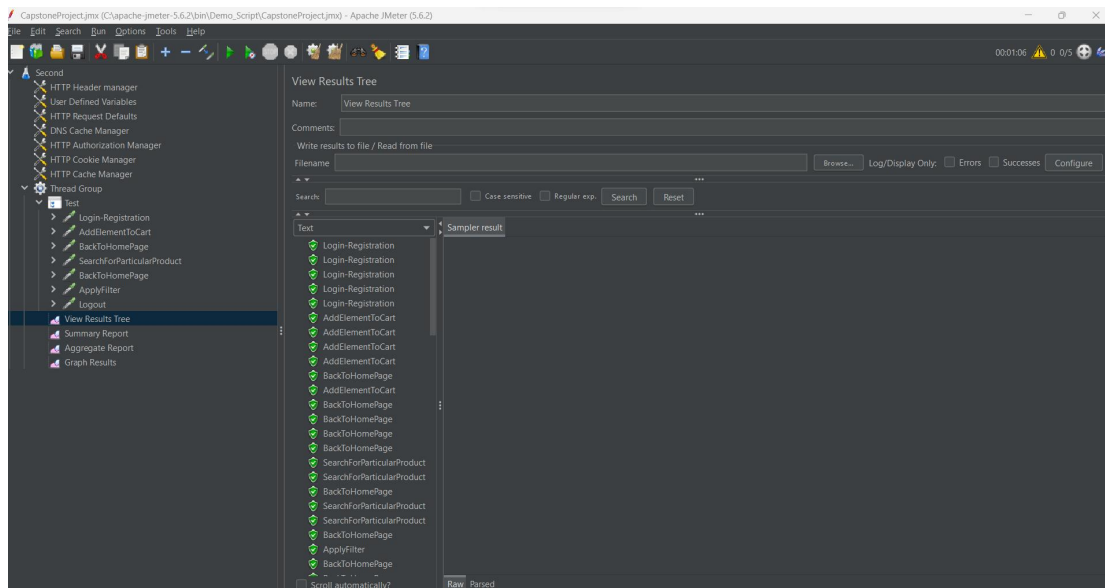


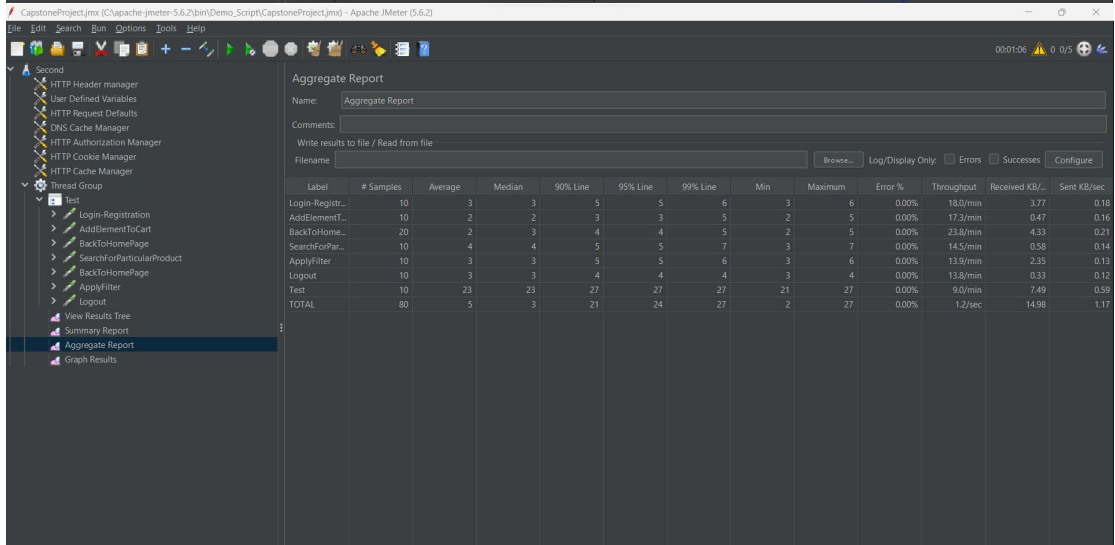
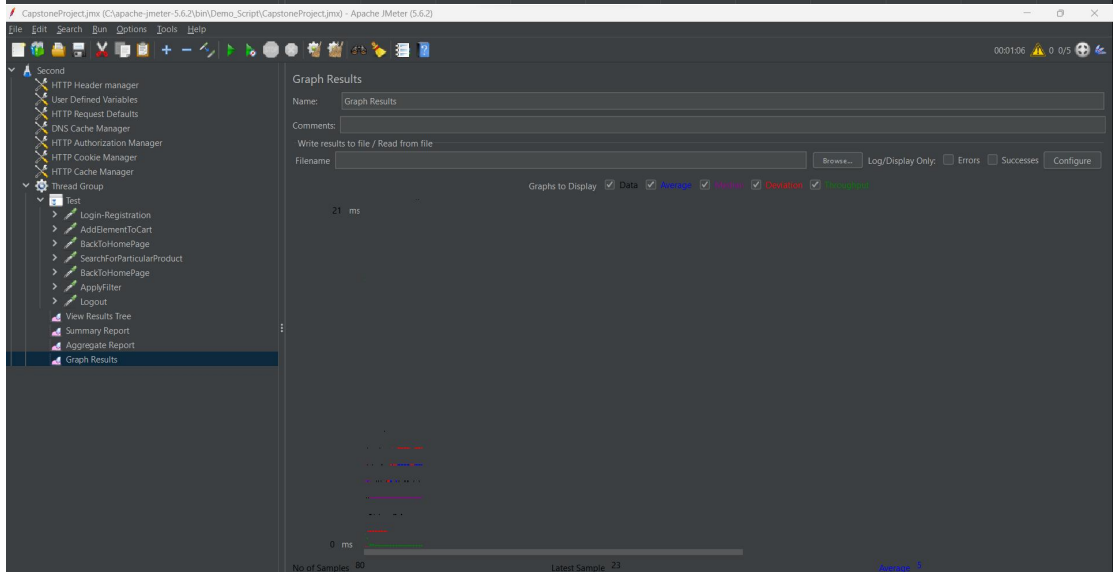
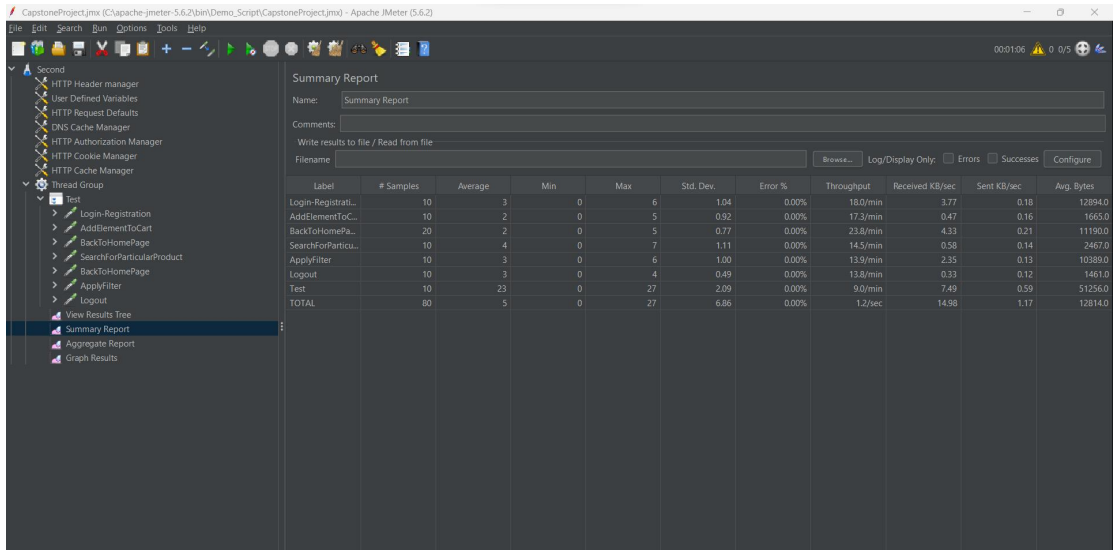
## #3 JMeter Scripts:





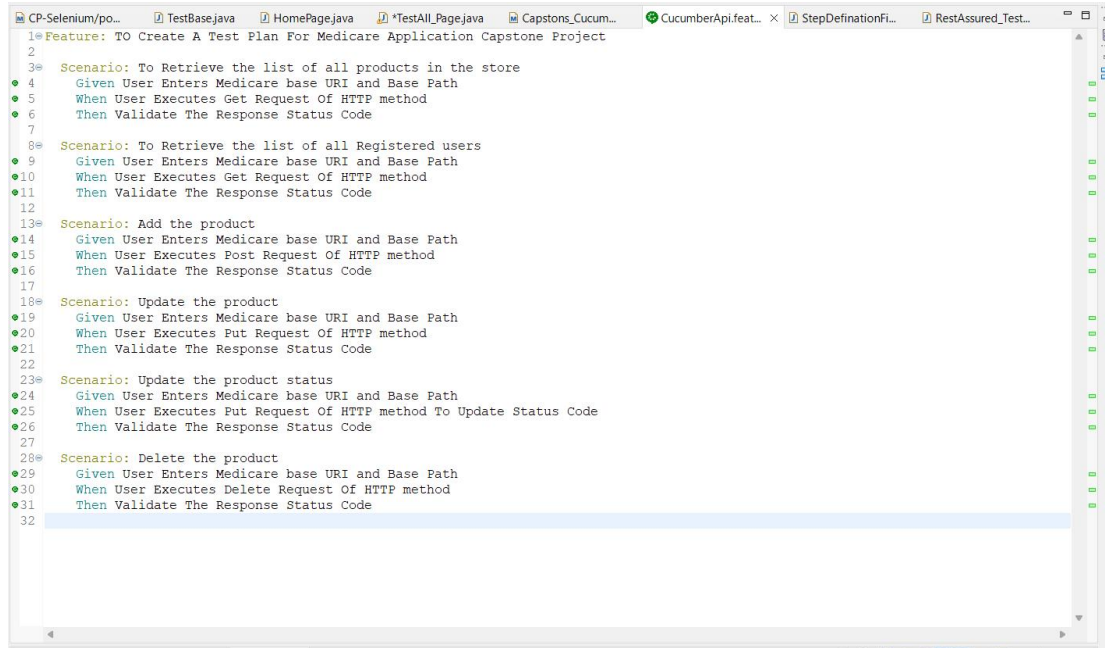
## (OUTPUT)





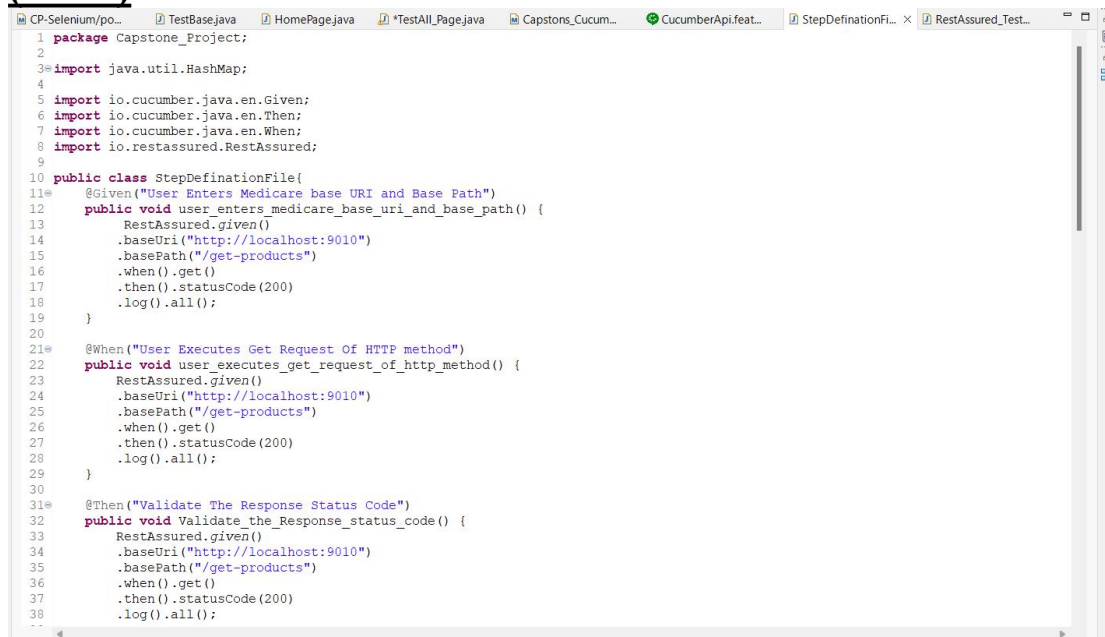
## #4 Cucumber-Gerkins Keyword For Api Testing:

### (Feature File)



```
1 Feature: TO Create A Test Plan For Medicare Application Capstone Project
2
3 Scenario: To Retrieve the list of all products in the store
4   Given User Enters Medicare base URI and Base Path
5   When User Executes Get Request Of HTTP method
6   Then Validate The Response Status Code
7
8 Scenario: To Retrieve the list of all Registered users
9   Given User Enters Medicare base URI and Base Path
10  When User Executes Get Request Of HTTP method
11  Then Validate The Response Status Code
12
13 Scenario: Add the product
14   Given User Enters Medicare base URI and Base Path
15   When User Executes Post Request Of HTTP method
16   Then Validate The Response Status Code
17
18 Scenario: Update the product
19   Given User Enters Medicare base URI and Base Path
20   When User Executes Put Request Of HTTP method
21   Then Validate The Response Status Code
22
23 Scenario: Update the product status
24   Given User Enters Medicare base URI and Base Path
25   When User Executes Put Request Of HTTP method To Update Status Code
26   Then Validate The Response Status Code
27
28 Scenario: Delete the product
29   Given User Enters Medicare base URI and Base Path
30   When User Executes Delete Request Of HTTP method
31   Then Validate The Response Status Code
32
```

### (Code)



```
1 package Capstone_Project;
2
3 import java.util.HashMap;
4
5 import io.cucumber.java.en.Given;
6 import io.cucumber.java.en.Then;
7 import io.cucumber.java.en.When;
8 import io.restassured.RestAssured;
9
10 public class StepDefinationFile{
11     @Given("User Enters Medicare base URI and Base Path")
12     public void user_enters_medicare_base_uri_and_base_path() {
13         RestAssured.given()
14             .baseUri("http://localhost:9010")
15             .basePath("/get-products")
16             .when().get()
17             .then().statusCode(200)
18             .log().all();
19     }
20
21     @When("User Executes Get Request Of HTTP method")
22     public void user_executes_get_request_of_http_method() {
23         RestAssured.given()
24             .baseUri("http://localhost:9010")
25             .basePath("/get-products")
26             .when().get()
27             .then().statusCode(200)
28             .log().all();
29     }
30
31     @Then("Validate The Response Status Code")
32     public void Validate_the_Response_status_code() {
33         RestAssured.given()
34             .baseUri("http://localhost:9010")
35             .basePath("/get-products")
36             .when().get()
37             .then().statusCode(200)
38             .log().all();
39     }
40 }
```

```
CP-Selenium/po... TestBase.java HomePage.java *TestAll_Page.java Capstons_Cucum... CucumberApi.fe... StepDefinationFi... RestAssured_Test...
hasnmap<string, string> map = new HashMap<string, string>();
66
67     map.put("id", "999");
68     map.put("image", "2.png");
69     map.put("name", "Disprin+");
70     map.put("category", "medicine");
71     map.put("brand", "B2 Medico");
72     map.put("status", "1");
73     map.put("price", "120");
74
75     RestAssured.given()
76     .baseUrl("http://localhost:9010")
77     .basePath("/update-product")
78     .contentType("application/json")
79     .body(map)
80     .when().put()
81     .then().statusCode(200).log().all();
82
83
84 @When("User Executes Put Request Of HTTP method To Update Status Code")
85 public void user_executes_put_request_of_http_method_to_update_status_code() {
86     HashMap<String, String> map = new HashMap<String, String>();
87
88     map.put("id", "999");
89     map.put("image", "2.png");
90     map.put("name", "Disprin+");
91     map.put("category", "medicine");
92     map.put("brand", "B2 Medico");
93     map.put("status", "0");
94     map.put("price", "120");
95
96     RestAssured.given()
97     .baseUrl("http://localhost:9010")
98     .basePath("/update-product-status")
99     .contentType("application/json")
100    .body(map)
101    .when().put()
102    .then().statusCode(200).log().all();
103 }
```

## (OUTPUT)

```
CP-Selenium/po... TestBase.java HomePage.java *TestAll_Page.java Capstons_Cucum... CucumberApi.fe... StepDefinationFi... RestAssured_Test...
1 Feature: TO Create A Test Plan For Medicare Application Capstone Project
2
3 Scenario: To Retrieve the list of all products in the store

Problems Javadoc Declaration Console Progress Results of running class TestAll_Page
<terminated> CucumberApi.feature [Cucumber Feature] C:\Program Files\Java\jdk-21\bin\javaw.exe (22-Dec-2023, 4:48:33 pm - 4:48:37 pm) [pid: 16372]

    },
    {
        "id": 999,
        "image": ".png",
        "name": "Disprin",
        "category": "medicine",
        "brand": "B2 Medico",
        "status": 1,
        "price": 100
    }
]
}
Then Validate The Response Status Code # Capstone_Project.StepDefinationFile.Validate_the_Response_status_code()

6 Scenarios (6 passed)
18 Steps (18 passed)
0m2.915s

Share your Cucumber Report with your team at https://reports.cucumber.io
Activate publishing with one of the following:

src/test/resources/cucumber.properties: cucumber.publish.enabled=true
src/test/resources/junit-platform.properties: cucumber.publish.enabled=true
Environment variable: CUCUMBER_PUBLISH_ENABLED=true
JUnit: @CucumberOptions(publish = true)

More information at https://cucumber.io/docs/cucumber/environment-variables/

Disable this message with one of the following:

src/test/resources/cucumber.properties: cucumber.publish.quiet=true
src/test/resources/junit-platform.properties: cucumber.publish.quiet=true
```

## #5 Postman-scripts to test:

### (GET)

The screenshot shows the Postman interface for a workspace named 'Medicare\_Project'. The selected collection is 'Medicare\_Project' and the environment is 'No Environment'. The request is a GET to '({BaseUrl})/get-products'. The test script is as follows:

```
1 pm.test("Status code is 200", function () {
2   pm.response.to.have.status(200);
3 });
4
5 pm.test("BodyCode_Check", function () {
6   pm.expect(pm.response.text()).to.include(181);
7 });
```

The response status is 200 OK, with a time of 6 ms and a size of 2.48 KB. The response body is displayed in JSON format:

```
1 {
2   "code": 181,
3   "message": "10 Products Fetched Successfully.",
4   "products": [
5     {
6       "id": 182,
7       "image": "2.png",
```

### (GET)

The screenshot shows the Postman interface for the same workspace and collection. The selected request is 'RetrieveAll\_Users', a GET to '({BaseUrl})/get-users'. The test script is:

```
1 pm.test("Status code is 200", function () {
2   pm.response.to.have.status(200);
3 });
4
```

The response status is 200 OK, with a time of 5 ms and a size of 543 B. The response body is empty. Below the response, a message states: 'Perform API tests faster with templates for integration testing, regression testing, and more.' with a 'View Templates' link. The test results show 'PASS' with the message 'Status code is 200'.

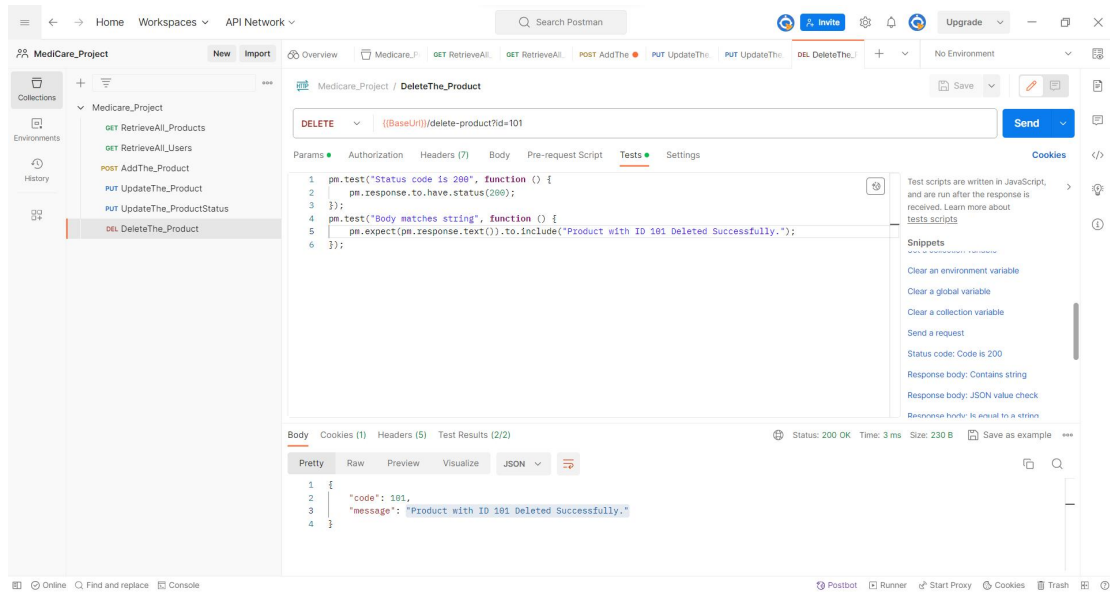
# (POST)

The screenshot shows the Postman interface with a POST request selected. The request is to the endpoint `[[BaseUri]]/add-product`. The Tests tab is active, showing a single test: `pm.test("Status code is 200", function () { pm.response.to.have.status(200); });`. The response is displayed in the bottom pane, showing a status of 200 OK and a JSON body: `{ "code": 101, "message": "Disprin Added Successfully.", "products": { "id": 999, "image": "1.png", "name": "Disprin",`. The left sidebar shows the project structure with `POST AddThe_Product` highlighted.

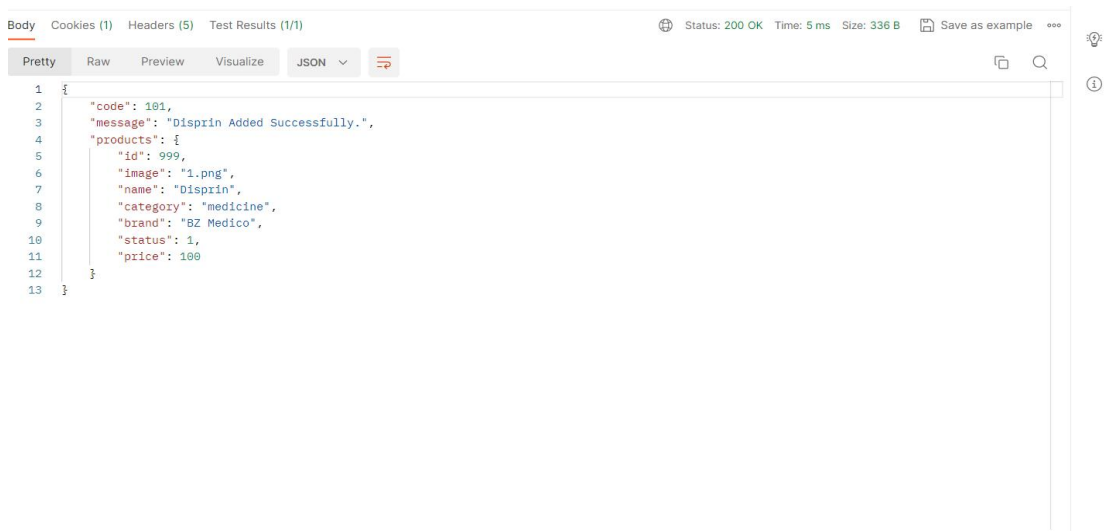
# (Put)

The screenshot shows the Postman interface with a PUT request selected. The request is to the endpoint `[[BaseUri]]/update-product`. The Tests tab is active, showing two tests: `pm.test("Status code is 200", function () { pm.response.to.have.status(200); });` and `pm.test("Body matches string", function () { pm.expect(pm.response.text()).to.include("Disprin+"); });`. The response is displayed in the bottom pane, showing a status of 200 OK and a JSON body: `{ "code": 101, "message": "Disprin+ Updated Successfully.", "product": { "id": 999, "image": "2.png", "name": "Disprin+",`. The left sidebar shows the project structure with `PUT UpdateThe_Product` highlighted.

# (DELETE)



# (OUTPUT)





Overview Medicare\_P GET RetrieveAll GET RetrieveAll POST AddThe PUT UpdateThe PUT UpdateThe DEL DeleteThe + No Environment

Medicare\_Project / UpdateThe\_ProductStatus

PUT {{BaseUri}}/update-product-status Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Body Cookies (1) Headers (5) Test Results (2/2) Status: 200 OK Time: 4 ms Size: 346 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 101,
3   "message": "Disprin+ Status Updated Successfully.",
4   "product": {
5     "id": 999,
6     "image": "2.png",
7     "name": "Disprin+",
8     "category": "medicine",
9     "brand": "BZ Medico",
10    "status": 0,
11    "price": 120
12  }
13 }
```

Overview Medicare\_P GET RetrieveAll GET RetrieveAll POST AddThe PUT UpdateThe PUT UpdateThe DEL DeleteThe + No Environment

Medicare\_Project / DeleteThe\_Product

DELETE {{BaseUri}}/delete-product?id=101 Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Body Cookies (1) Headers (5) Test Results (2/2) Status: 200 OK Time: 3 ms Size: 230 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 101,
3   "message": "Product with ID 101 Deleted Successfully."
4 }
```