

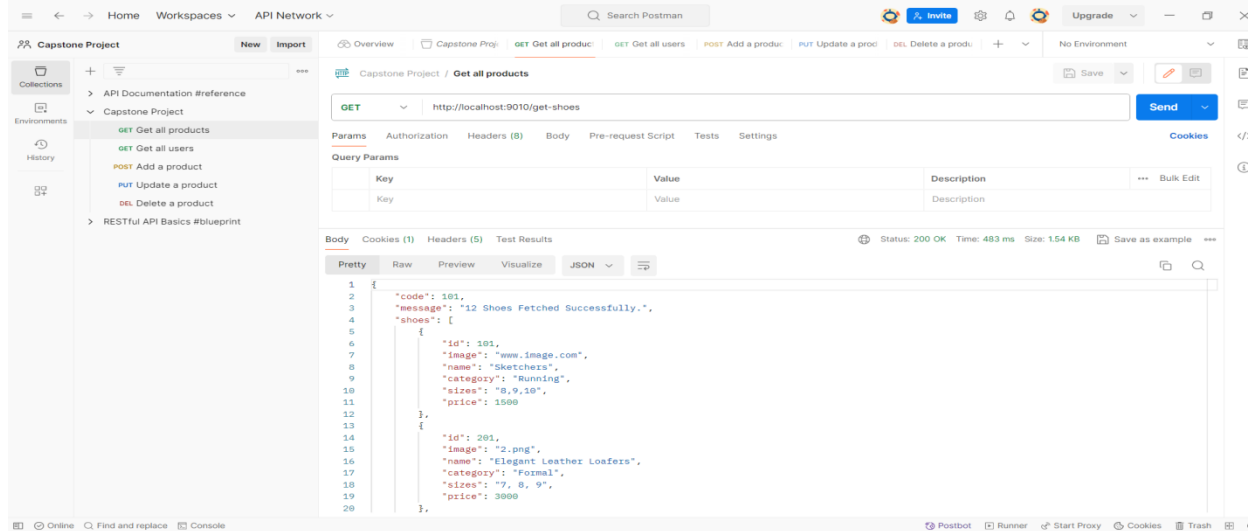
HARSHITHA NA

## Capstone Project: Create a Testing Framework for Sporty Shoes Website

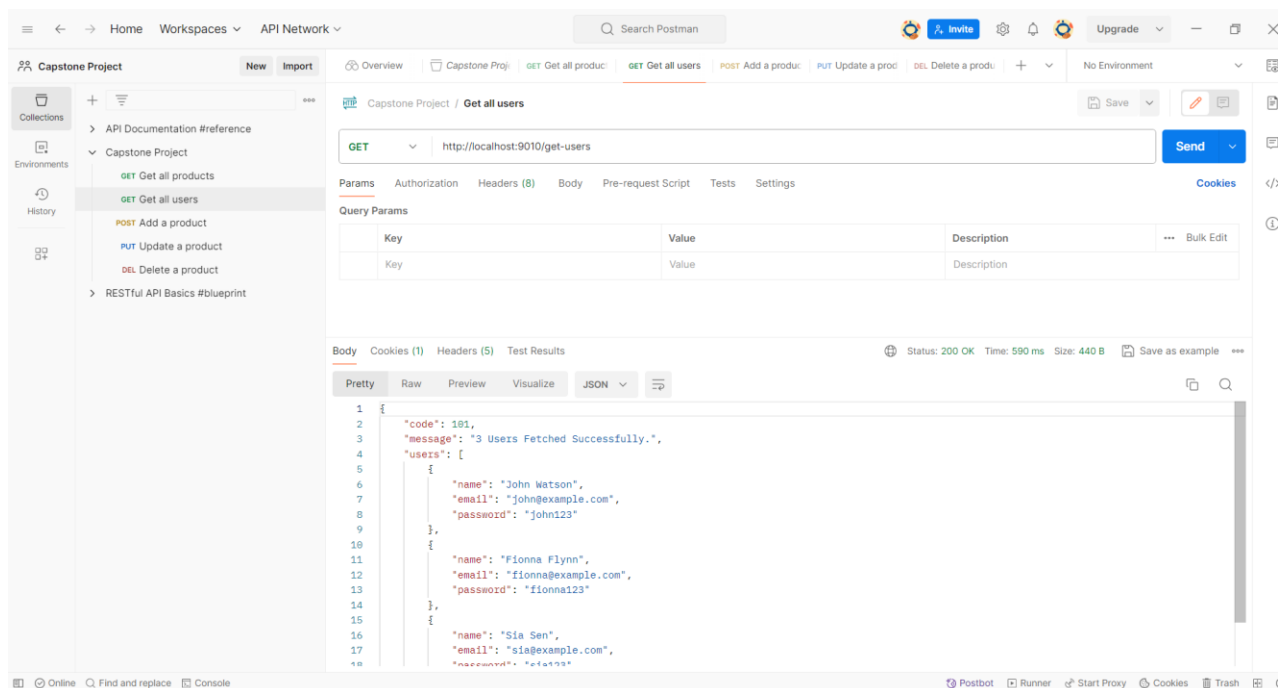
SCREEN SHORT:

### Postman:

GET all products:



GET all users:



Post add a Product:

Capstone Project / Add a product

POST http://localhost:9010/add-shoe?id=101&image=www.image.com&name=Sketchers&category=Running&sizes=8,9,10&price=1000

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

Key	Value	Description
name	Sketchers	
category	Running	
sizes	8,9,10	
price	1000	

Body Cookies (1) Headers (5) Test Results Status: 200 OK Time: 390 ms Size: 321 B Save as example

```
1 {
2   "code": 101,
3   "message": "Sketchers Added Successfully.",
4   "shoe": {
5     "id": 101,
6     "image": "www.image.com",
7     "name": "Sketchers",
8     "category": "Running",
9     "sizes": "8,9,10",
10    "price": 1000
11  }
12 }
```

## PUT Update a product:

Capstone Project / Update a product

PUT http://localhost:9010/update-shoe?id=101&image=www.image.com&name=Sketchers&category=Running&sizes=8,9,10&price=1500

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
id	101	
image	www.image.com	
name	Sketchers	
category	Running	
sizes	8,9,10	
price	1500	

Capstone Project / Update a product

PUT http://localhost:9010/update-shoe?id=101&image=www.image.com&name=Sketchers&category=Running&sizes=8,9,10&price=1500

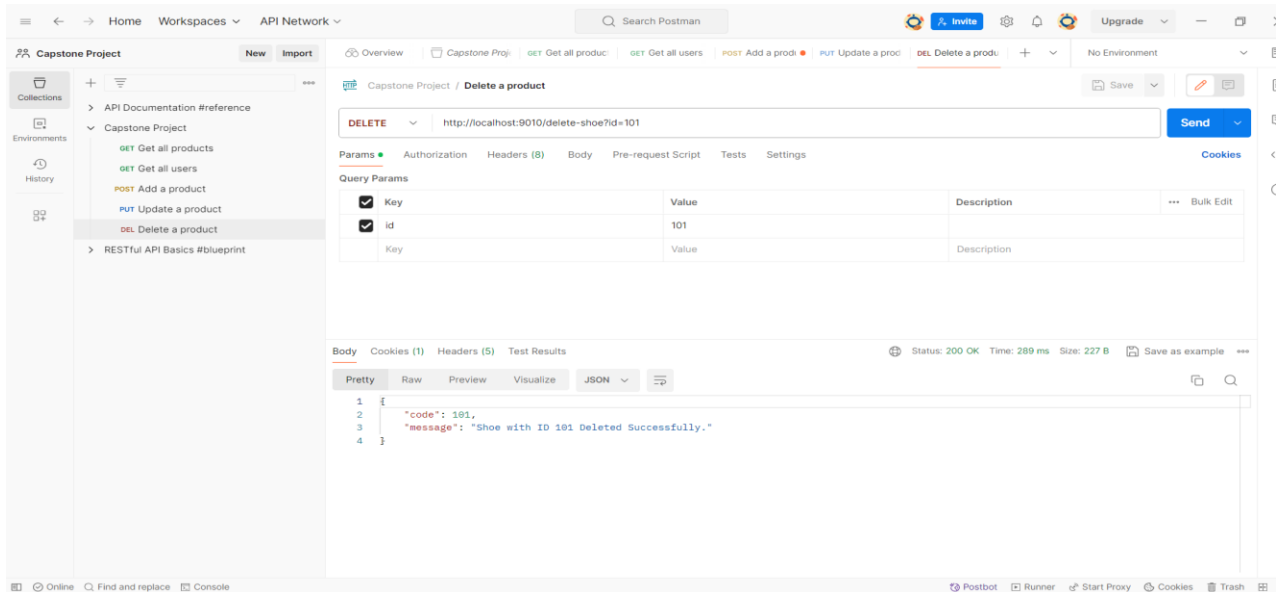
Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies Beautify

Body Cookies (1) Headers (5) Test Results Status: 200 OK Time: 755 ms Size: 332 B Save as example

```
1 {
2   "id": 101,
3   "name": "Sketchers",
4   "category": "Running",
5   "sizes": "8,9,10",
6   "price": 1500,
7   "image": "www.image.com"
8 }
9
10
```

```
1 {
2   "code": 101,
3   "message": "Sketchers Updated Successfully.",
4   "shoe": {
5     "id": 101,
6     "image": "www.image.com",
7     "name": "Sketchers",
8     "category": "Running",
9     "sizes": "8,9,10",
10    "price": 1500
11  }
12 }
```

## Delete a Product:



## Rest-Assured:

### Get all Shoes:

```
package com.sportyshoe.restAssuredScripts;

import org.testng.annotations.Test;

Run All
public class GetAllShoes {
    Run | Debug
    @Test(priority='1') public void get_all_shoes() {

        RestAssured.given()
            .baseUrl("http://localhost:9010")
            .basePath("/get-shoes")
            .when()
            .get()

            .then()
            .statusCode(200)
            .log().all();
    }
    @Test(priority='2')
    Run | Debug
    public void get_all_users() {

        RestAssured.given()
            .baseUrl("http://localhost:9010")
            .basePath("/get-users")
            .when()
            .get()
            .then()
            .statusCode(200)
            .log().all();
    }
}
```

### OUT PUT:

```
<terminated> GetAllShoes [TestNG] C:\Users\HARSHITHA\Downloads\eclipse-jee-2022-12-R-win32-x86_64 (1)\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-093:
HTTP/1.1 200
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 26 Jan 2024 13:28:24 GMT
Keep-Alive: timeout=60
Connection: keep-alive

{
  "code": 101,
  "message": "12 Shoes Fetched Successfully.",
  "shoes": [
    {
      "id": 101,
      "image": "update image",
      "name": "updated Shoe",
      "category": "updated Running",
      "sizes": "12",
      "price": 1099
    },
    {
      "id": 201,
      "image": "2.png",
      "name": "Elegant Leather Loafers",
      "category": "Formal",
      "sizes": "7, 8, 9",
      "price": 3000
    },
    {
      "id": 301,
```

```

Transfer-Encoding: chunked
Date: Fri, 26 Jan 2024 13:28:24 GMT
Keep-Alive: timeout=60
Connection: keep-alive

{
  "code": 101,
  "message": "3 Users Fetched Successfully.",
  "users": [
    {
      "name": "John Watson",
      "email": "john@example.com",
      "password": "john123"
    },
    {
      "name": "Fionna Flynn",
      "email": "fionna@example.com",
      "password": "fionnal23"
    },
    {
      "name": "Sia Sen",
      "email": "sia@example.com",
      "password": "sial23"
    }
  ]
}
PASSED: com.sportyshoe.restAssuredScripts.GetallShoes.get_all_shoes
PASSED: com.sportyshoe.restAssuredScripts.GetallShoes.get_all_users

```

```

    "password": "john123"
  },
  {
    "name": "Fionna Flynn",
    "email": "fionna@example.com",
    "password": "fionnal23"
  },
  {
    "name": "Sia Sen",
    "email": "sia@example.com",
    "password": "sial23"
  }
]
}
PASSED: com.sportyshoe.restAssuredScripts.GetallShoes.get_all_shoes
PASSED: com.sportyshoe.restAssuredScripts.GetallShoes.get_all_users

```

```

=====
Default test
Tests run: 2, Failures: 0, Skips: 0
=====

Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
=====

```

## post and put new shoe:

```

SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
HTTP/1.1 200
Set-Cookie: JSESSIONID=85F2B6E527EE82539B03C2184871B266; Path=/; HttpOnly
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 26 Jan 2024 13:36:33 GMT
Keep-Alive: timeout=60
Connection: keep-alive

{
  "code": 101,
  "message": "Nike Added Successfully.",
  "shoe": {
    "id": 1020,
    "image": "www.imge.com",
    "name": "Nike",
    "category": "Running",
    "sizes": "5,6,7",
    "price": 2000
  }
}
HTTP/1.1 200
Set-Cookie: JSESSIONID=1921249706A39E060AA77DC8CD5F94F3; Path=/; HttpOnly
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 26 Jan 2024 13:36:33 GMT
Keep-Alive: timeout=60
Connection: keep-alive

{
  "code": 101,
  "message": "Nike Added Successfully.",
  "shoe": {
    "id": 1020,
    "image": "www.imge.com",
    "name": "Nike",
    "category": "Running",
    "sizes": "5,6,7",
    "price": 2000
  }
}

```

```

Date: Fri, 26 Jan 2024 13:36:33 GMT
Keep-Alive: timeout=60
Connection: keep-alive

{
  "code": 101,
  "message": "Reebok Updated Successfully.",
  "shoe": {
    "id": 1020,
    "image": "www.image123.com",
    "name": "Reebok",
    "category": "Running",
    "sizes": "5,6,7",
    "price": 2500
  }
}
PASSED: com.sportyshoe.restAssuredScripts.PostandPutnewshoe.update_a_product
PASSED: com.sportyshoe.restAssuredScripts.PostandPutnewshoe.add_new_product

=====
Default test
Tests run: 2, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
=====

```

Add delete:

```

[RemoteTestNG] detected TestNG version 7.8.0
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
HTTP/1.1 200
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 26 Jan 2024 13:43:24 GMT
Keep-Alive: timeout=60
Connection: keep-alive

{
  "code": 101,
  "message": "Shoe with ID 1010 Deleted Successfully."
}
PASSED: com.sportyshoe.restAssuredScripts.Deleteshoe.delete_product

=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====

```

**Selenium scripts using TestNG:**

**Registration Page:**

## Sporty Shoes

Powered By Simplilearn

Step Up Your Game with Sporty Shoes: Where Every Click is a Stride Towards Style!

Its Fri Jan 26 16:36:40 IST 2024 !

### Register Yourself

Name:

Email:

Password:

[Register](#)

[Existing User? Login Here](#)

## Login page

### Sporty Shoes

Powered By Simplilearn

Step Up Your Game with Sporty Shoes: Where Every Click is a Stride Towards Style!

#### Login Yourself

Email:

Password:

[New User? Register Here](#)

[Login](#)

## Add Product to cart page

[Cart](#) [Orders](#) [Profile](#) [Logout](#)

### Sporty Shoes

Powered By Simplilearn

Step Up Your Game with Sporty Shoes: Where Every Click is a Stride Towards Style!


Hello Harshi !

Your Email: harshi@gmail.com !

#### RUNNING SHOES

Clean & Comfortable

30% OFF



## Place Order Page

### Sporty Shoes

Powered By Simplilearn

Step Up Your Game with Sporty Shoes: Where Every Click is a Stride Towards Style!

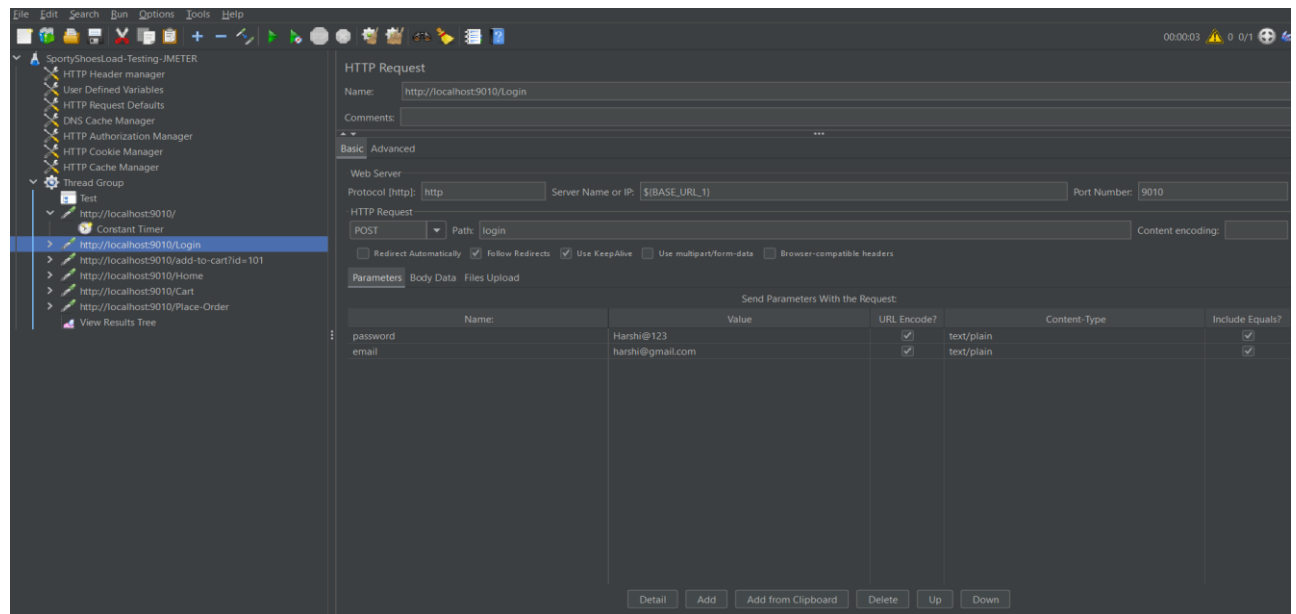
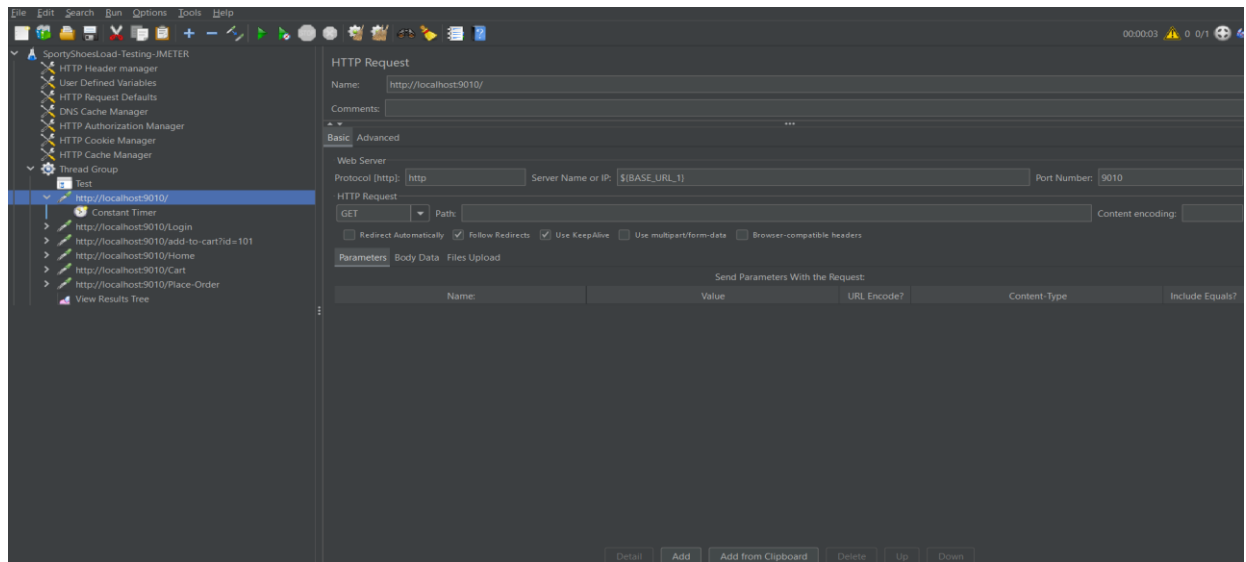
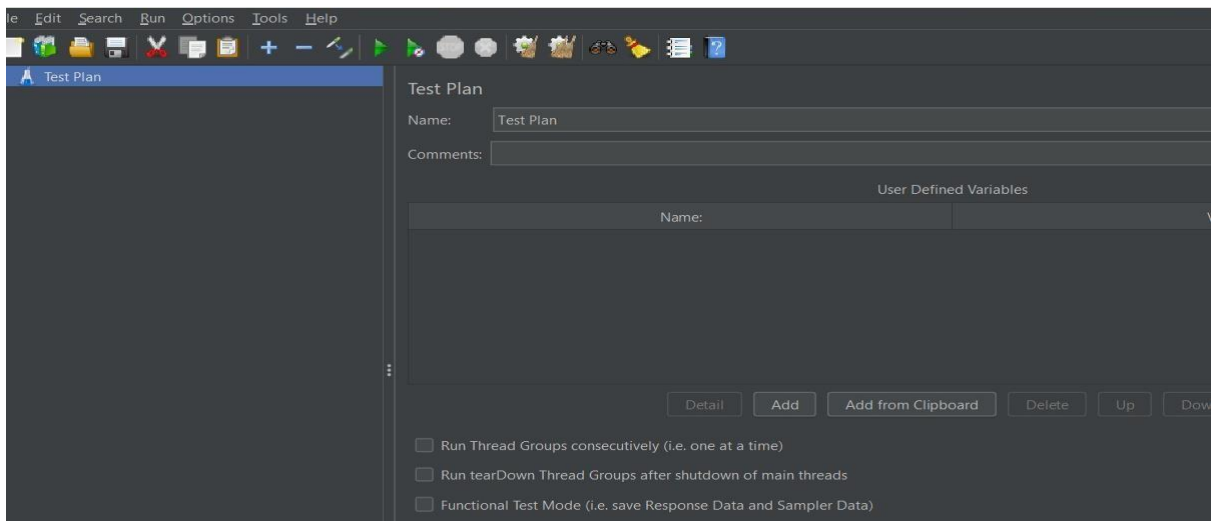
Hello admin !

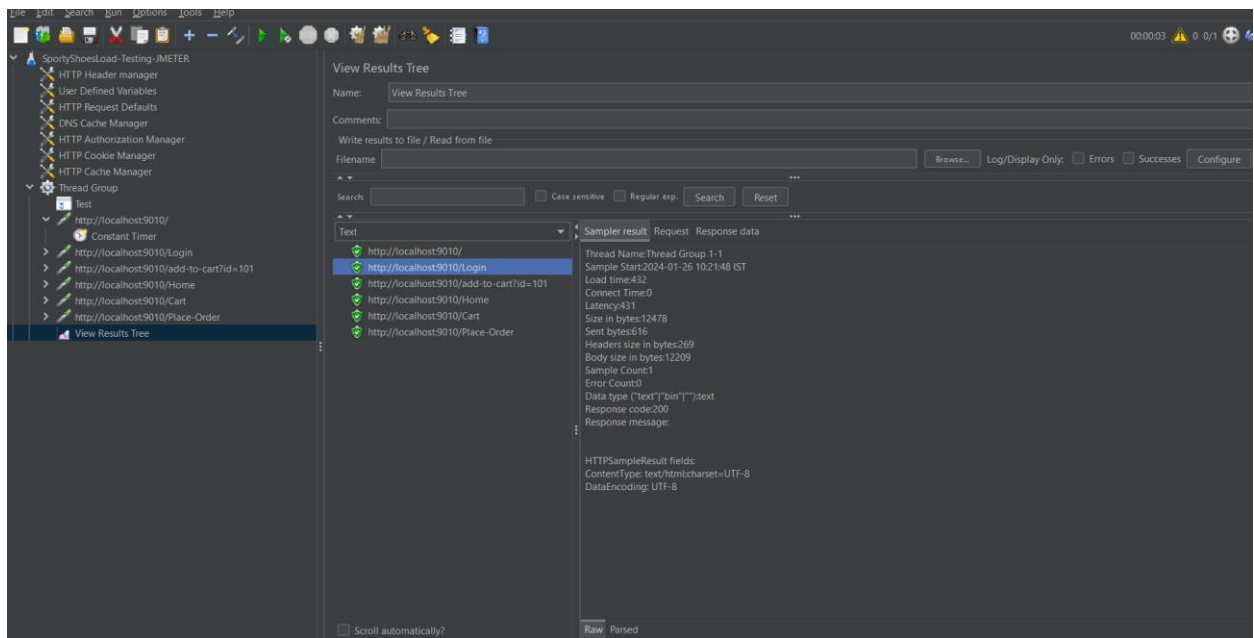
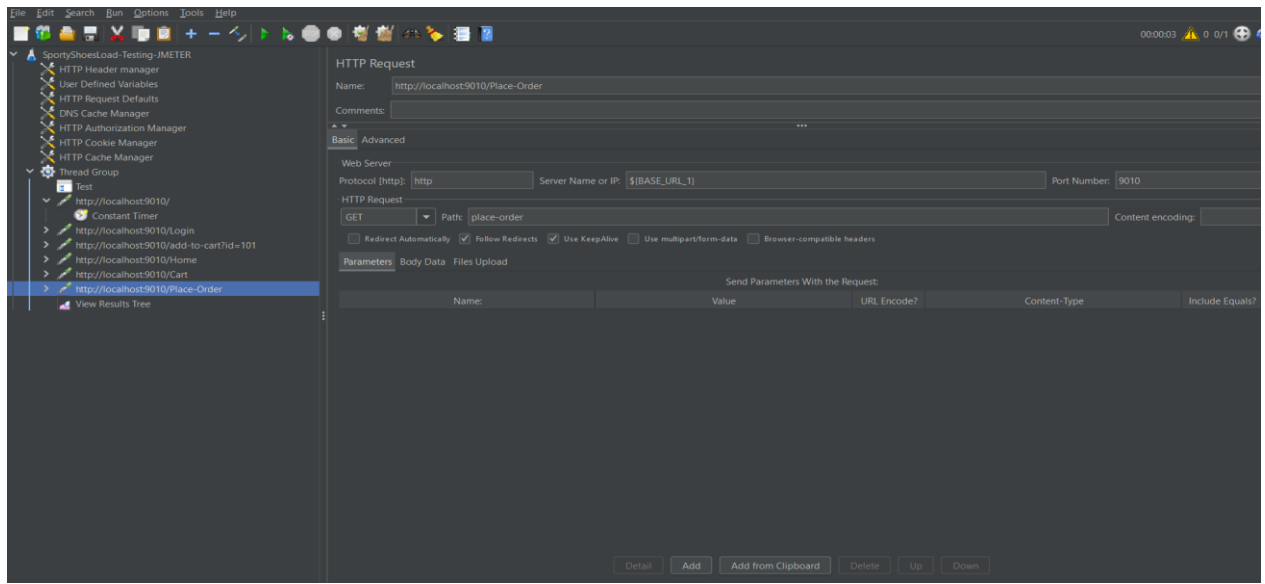
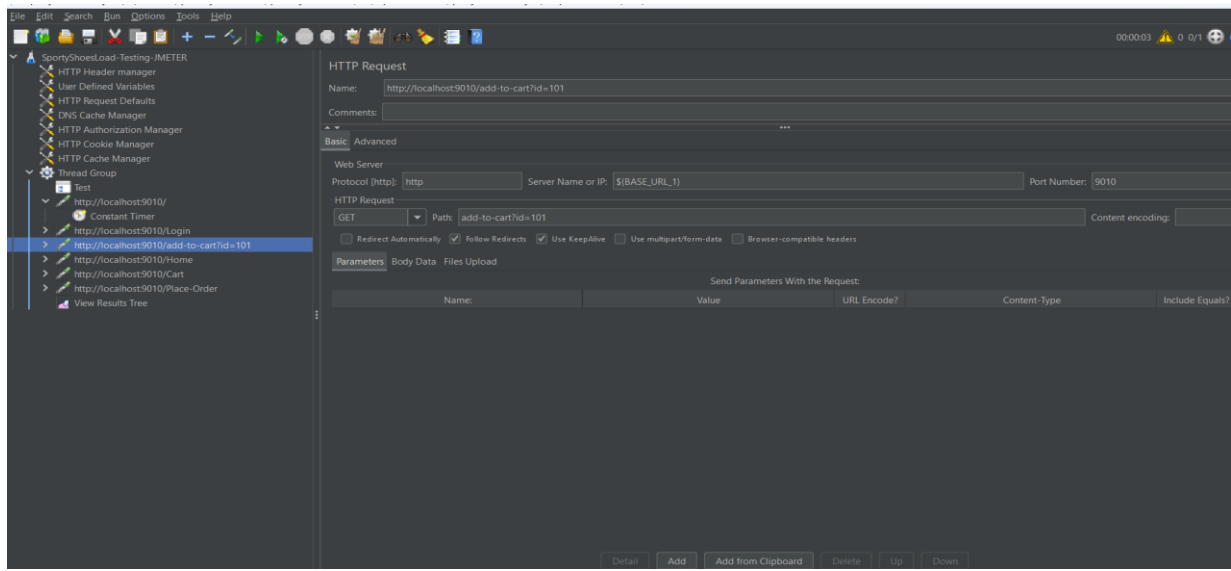
**CART VALUE: INR 0**

**TOTAL: INR 0**

[Place Order](#)

## Jmeter:







## Cucumber-Feature-Project:

```
TestRunner.java  LoginTestRu...  *DeleteProd...  TestRunner.java  CreateShoe.f...  DeleteProduc...  AmazonSearc...  ExtentRepor...  GetProducts...  %o

1=Feature: Retrieve all products from the sports shoe store As a user,
2  I want to retrieve the list of all available shoes from the sports shoe store,
3  So that I can browse and choose the desired products.
4
5  @tag @GetProducts
6= Scenario: Retrieve all products successfully
7    Given I am interested in viewing the available shoes
8    When I send a request to retrieve the list of products
9    Then I should receive a successful response with status code 200 And the response should contain a valid list
10

Markers  Properties  Servers  Data Source Explorer  Snippets  Terminal  Console  Git Repositories  Results of running class Test...  JUnit  Gradle Tasks  Gradle Executions

<terminated> GetProducts.feature [Cucumber Feature] C:\Users\HARSHITHA\Downloads\eclipse-jee-2022-12-R-win32-x86_64 (1)\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v202211
@tag @GetProducts
Scenario: Retrieve all products successfully
  Given I am interested in viewing the available shoes
  When I send a request to retrieve the list of products
  Then I should receive a successful response with status code 200 And the response should contain a valid list of spo

Undefined scenarios:
file:///C:/eclipse/Capstone-Project-1_cucumber/src/test/resources/Features/GetProducts.feature:6 # Retrieve all product

1 Scenarios (1 undefined)
3 Steps (1 undefined, 2 passed)
0m2.517s

Writable  Insert  1:1:0
```

```
1 @tag
2=Feature: Update a shoe in the store
3  I want to test the functionality of updating a shoe in the store
4
5  @tag1 @UpdateRequest
6= Scenario: Update a shoe on the website
7    Given open the update product base url
8    When hit the PUT request to update the shoe with ID 101
9    Then the response code should be equal to 200
10   And the response should indicate successful update
11

Markers  Properties  Servers  Data Source Explorer  Snippets  Terminal  Console  Git Repositories  Results of running class Test...  JUnit  Gradle Tasks  Gradle Executions

<terminated> UpdateProduct.feature [Cucumber Feature] C:\Users\HARSHITHA\Downloads\eclipse-jee-2022-12-R-win32-x86_64 (1)\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v2022
@tag @tag1 @UpdateRequest
Scenario: Update a shoe on the website
  Given open the update product base url
  When hit the PUT request to update the shoe with ID 101
  Then the response code should be equal to 200
  And the response should indicate successful update
io.restassured.internal.ValidatableResponseImpl@26221bad

# src/test/resources/Features/UpdateProduct.feature:6
# com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
# com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
# com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
# com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe

1 Scenarios (1 passed)
4 Steps (4 passed)
0m1.731s
```

```
JUnit5dAnno...  Java8JUnitTe...  AssertionTe...  AgeCalculato...  AgeCalculato...  RetirementCa...  PlaceOrder.java  PostRequestS...  GetallShoes...  %o

Capstone-Project-1_cucumber  src/test/java  com.harshi.cucumber.Capstone_Project_1_cucumber  PostRequestSteps  requestbody : String

1 package com.harshi.cucumber.Capstone_Project_1_cucumber;
2=import io.cucumber.java.en.Given;
10
11 public class PostRequestSteps {
12
13     private Response response;
14     private ValidatableResponse json;
15     private RequestSpecification request;
16     private String requestBody;
17
18     private String BASE_URL = "http://localhost:9010";
19
20
21     @Given("Open the API base URL") public void open_the_api_base_url() {
22         request=RestAssured.given().baseUri(BASE_URL);
23     }
24
25
26
27     @Given("Enter the shoe details") public void enter_the_shoe_details() {
28         requestBody = "id=" + 101 + "&image=image_url&name=Sample Shoes&category=Sports Shoe&sizes=9&price=1999";
29     }
30
31
32     @When("Hit the POST request to create a new shoe")
33     public void hit_the_post_request_to_create_a_new_shoe() { int id = 101;
34         String image_url = "image_url"; String name = "sampleShoe"; String category = "Runnings";
35
36         int sizes = 9;
37         int price = 1000; response=request.queryParam("id",id).queryParam("image",image_url)
38             .queryParam("name",name).queryParam("category",category)
39             .queryParam("sizes",sizes).queryParam("price",price).when().post("/add-shoe");
39
Markers  Properties  Servers  Data Source Explorer  Snippets  Terminal  Console  Git Repositories  Results of running class Del...  JUnit  Gradle Tasks  Gradle Executions

No consoles to display at this time.
```

```
1 @tag
2 Feature: Update a shoe in the store
3   I want to test the functionality of updating a shoe in the store
4
5   @tag1 @UpdateRequest
6   Scenario: Update a shoe on the website
7     Given open the update product base url
8     When hit the PUT request to update the shoe with ID 101
9     Then the response code should be equal to 200
10    And the response should indicate successful update
11
<terminated> UpdateProduct.feature [Cucumber Feature] C:\Users\HARSHITHA\Downloads\eclipse-jee-2022-12-R-win32-x86_64 (1)\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v2021
Jan 26, 2024 8:42:53 PM cucumber.api.cli.Main run
WARNING: You are using deprecated Main class. Please use io.cucumber.core.cli.Main

@tag @tag1 @UpdateRequest
Scenario: Update a shoe on the website # src/test/resources/Features/UpdateProduct.feature:6
  Given open the update product base url # com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
  When hit the PUT request to update the shoe with ID 101 # com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
    java.net.ConnectException: Connection refused: connect
      at java.base/sun.nio.ch.Net.connect0(Native Method)
      at java.base/sun.nio.ch.Net.connect(Net.java:579)
      at java.base/sun.nio.ch.Net.connect(Net.java:568)
      at java.base/sun.nio.ch.NioSocketImpl.connect(NioSocketImpl.java:588)
      at java.base/java.net.SocksSocketImpl.connect(SocksSocketImpl.java:327)
      at java.base/java.net.Socket.connect(Socket.java:633)
      at org.apache.http.conn.scheme.PlainSocketFactory.connectSocket(PlainSocketFactory.java:121)
      at org.apache.http.impl.conn.DefaultClientConnectionOperator.openConnection(DefaultClientConnectionOperator.java:
      at org.apache.http.impl.conn.ManagedClientConnectionImpl.open(ManagedClientConnectionImpl.java:326)
      at org.apache.http.impl.client.DefaultRequestDirector.tryConnect(DefaultRequestDirector.java:605)
```

```
1 @tag
2 Feature: Update a shoe in the store
3   I want to test the functionality of updating a shoe in the store
4
5   @tag1 @UpdateRequest
6   Scenario: Update a shoe on the website
7     Given open the update product base url
8     When hit the PUT request to update the shoe with ID 101
9     Then the response code should be equal to 200
10    And the response should indicate successful update
11

<terminated> UpdateProduct.feature [Cucumber Feature] C:\Users\HARSHITHA\Downloads\eclipse-jee-2022-12-R-win32-x86_64 (1)\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v2021
@tag @tag1 @UpdateRequest
Scenario: Update a shoe on the website # src/test/resources/Features/UpdateProduct.feature:6
  Given open the update product base url # com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
  When hit the PUT request to update the shoe with ID 101 # com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
  Then the response code should be equal to 200 # com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
io.restassured.internal.ValidatableResponseImpl@26221bad # com.harshi.cucumber.Capstone_Project_1_cucumber.Updateshoe
  And the response should indicate successful update

1 Scenarios (1 passed)
4 Steps (4 passed)
0m1.731s
```