

Task1

This the Task1 TestNg File github link:

<https://github.com/gfctrd/evalaution-20-7-2025>

Task1:

```
package evlauayion2;
```

```
import java.io.File;  
import java.io.IOException;  
import java.time.Duration;
```

```
import org.apache.commons.io.FileUtils;  
import org.openqa.selenium.Alert;  
import org.openqa.selenium.By;  
import org.openqa.selenium.OutputType;  
import org.openqa.selenium.TakesScreenshot;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.support.ui.Select;  
import org.testng.annotations.AfterMethod;  
import org.testng.annotations.BeforeMethod;  
import org.testng.annotations.Test;
```

```
public class Task1 {  
    WebDriver driver;  
    @BeforeMethod  
    void launchbrowser() throws InterruptedException {  
        driver=new ChromeDriver();  
        driver.get("https://www.globalsqa.com/samplepagetest/");  
        driver.manage().window().maximize();  
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));  
        Thread.sleep(2000);  
    }  
    @Test  
    void formTest() throws IOException, InterruptedException {
```

```
        driver.findElement(By.xpath("//input[@id='g2599-name']")).sendKeys("mahesh");
```

```
        driver.findElement(By.xpath("//input[@id='g2599-email']")).sendKeys("mahireddy8013@gmail.com");
```

```
driver.findElement(By.xpath("//input[@id='g2599-website']")).sendKeys("https://the-internet.h  
erokuapp.com/login");
```

```
WebElement drpdown =  
driver.findElement(By.xpath("//select[@id='g2599-experienceinyears']"));  
Select experienceselect = new Select(drpdown);  
experienceselect.selectByContainsVisibleText("0-1");
```

```
WebElement chckbox =  
driver.findElement(By.xpath("//input[@class='checkbox-multiple'][1]"));  
chckbox.click();
```

```
WebElement radiobtn =  
driver.findElement(By.xpath("//input[@class='radio'][1]"));  
radiobtn.click();
```

```
// driver.findElement(By.xpath("//button[text()='Alert Box : Click Here']")).click();  
//  
// Alert alert1 = driver.switchTo().alert();  
// alert1.accept();  
//
```

```
driver.findElement(By.xpath("//textarea[@class='textarea']")).sendKeys("hi,  
everyone");
```

```
driver.findElement(By.xpath("//button[@class='pushbutton-wide']")).click();
```

```
Thread.sleep(4000);
```

```
TakesScreenshot ts = (TakesScreenshot)driver;  
File sourcefile = ts.getScreenshotAs(OutputType.FILE);  
File targetfile = new  
File("C:\\Users\\Mahesh\\OneDrive\\Desktop\\selenium\\screenshots\\form-output");  
FileUtils.copyFile(sourcefile, targetfile);
```

```
}
```

```
@AfterMethod
```

```
void teardown() throws InterruptedException {
```

```
    Thread.sleep(5000);
```

```
    driver.close();
```

```
}
```

```
}
```

Task2:

```
package TestNGclass1;
```

```
import java.io.File;
```

```
import java.io.IOException;
```

```
import org.apache.commons.io.FileUtils;
```

```
import org.openqa.selenium.Alert;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.OutputType;
```

```
import org.openqa.selenium.TakesScreenshot;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
import org.testng.annotations.AfterMethod;
```

```
import org.testng.annotations.BeforeMethod;
```

```
import org.testng.annotations.Test;
```

```
public class Task2 {
```

```
    WebDriver driver;
```

```
    @BeforeMethod
```

```
void launchbrowser() throws InterruptedException {
```

```
    driver = new ChromeDriver();
```

```
    driver.get("https://the-internet.herokuapp.com/javascript_alerts");
```

```
    driver.manage().window().maximize();
```

```
    Thread.sleep(5000);
```

```
}
```

```
    @Test
```

```
void confirmbox() throws InterruptedException, IOException {
```

```
    driver.findElement(By.xpath("//button[text()='Click for JS Confirm']")).click();
```

```
    Alert confiralert = driver.switchTo().alert();
```

```
//    confiralert.accept();
```

```
    confiralert.dismiss();
```

```
    Thread.sleep(5000);
```

```
    TakesScreenshot ts = (TakesScreenshot)driver;
```

```
    File sourcefile = ts.getScreenshotAs(OutputType.FILE);
```

```
    File targetfile = new
```

```
File("C:\\Users\\Mahesh\\OneDrive\\Desktop\\selenium\\screenshots\\alerbox-output");
```

```
    FileUtils.copyFile(sourcefile, targetfile);
```

```
}
```

```
    @AfterMethod  
    void teardown() throws InterruptedException {  
        Thread.sleep(5000);  
        driver.close();  
    }  
}
```

```
}
```

Task3:

```
package TestNGclass1;
```

```
import java.io.File;  
import java.io.IOException;  
import java.time.Duration;
```

```
import org.apache.commons.io.FileUtils;  
import org.openqa.selenium.By;  
import org.openqa.selenium.OutputType;  
import org.openqa.selenium.TakesScreenshot;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.testng.annotations.AfterMethod;  
import org.testng.annotations.BeforeMethod;  
import org.testng.annotations.Test;
```

```
public class Task3 {  
    WebDriver driver;  
    @BeforeMethod  
    void launnchbrowser() {  
        driver= new ChromeDriver();  
        driver.get("https://v1.training-support.net/selenium/iframes");  
        driver.manage().window().maximize();  
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));  
    }  
}
```

```

@Test
void frames() throws IOException {
    WebElement frame1 =
driver.findElement(By.xpath("//iframe[@src='/selenium/frame1']"));
    driver.switchTo().frame(frame1);

    driver.findElement(By.id("actionButton")).click();

    System.out.println("successfully executed iframe1");

    driver.switchTo().defaultContent();

    WebElement frame2 =
driver.findElement(By.xpath("//iframe[@src='/selenium/frame2']"));
    driver.switchTo().frame(frame2);

    driver.findElement(By.id("actionButton")).click();
    System.out.println("successfully executed iframe1");

    driver.switchTo().defaultContent();

    driver.findElement(By.xpath("//button[@onclick='goBack()']")).click();
    System.out.println("successfully clicked back button");

    TakesScreenshot ts = (TakesScreenshot)driver;
    File sourcefile = ts.getScreenshotAs(OutputType.FILE);
    File targetfile = new
File("C:\\Users\\Mahesh\\OneDrive\\Desktop\\selenium\\screenshots\\alerbox-output");
    FileUtils.copyFile(sourcefile, targetfile);

}

@AfterMethod
void teardown() throws InterruptedException {
    Thread.sleep(5000);
    driver.close();
}

}

```

Task2: API Testing

Collection file link:

<https://mahesh-4258863.postman.co/workspace/mahesh's-Workspace~7630f8f9-524c-4f94-8817-832ea2a7c624/folder/45474313-dc083505-e115-48ec-8d82-3228e15d79d3?action=share&creator=45474313&ctx=documentation&active-environment=45474313-c3eb9f2c-532f-4992-b78c-aecfbc953ea1>

1.Booking ids

Workspaces ▾ More ▾

< PUT updat POST toke DEL delete GET getbo GET inf > + ▾ evaluation-20/7/2025 ▾

New Collection - sample / evaluation-20/7/2025 / getbooking ids Save ▾ Share

GET ▾ https://restful-booker.herokuapp.com/booking Send ▾

Params Auth Headers (7) Body Scripts Settings Cookies </>

Headers 7 hidden

Key	Value	D...	...	Bulk Edit	Presets ▾
Key	Value	Description			

Body ▾ ↺

200 OK • 2.69 s • 25.28 KB • Save Response ...

{ } JSON ▾ ▶ Preview 🖨 Visualize ▾

```
1  [
2    {
3      "bookingid": 1738
4    },
5    {
6      "bookingid": 1863
7    },
8    {
9      "bookingid": 524
10   },
11   {
12     "bookingid": 1432
```

Console Postbot Runner Vault ?

2:04 PM 7/20/2025

2.Info of id

The screenshot displays the Postman application interface. At the top, the 'Workspaces' and 'More' menus are visible. The main workspace shows a collection named 'New Collection - sample' with a sub-collection 'evaluation-20/7/2025' and an item 'info of id'. The request is a GET method to the URL 'https://restful-booker.herokuapp.com/booking/405'. The 'Headers' tab is active, showing a table with one header: 'Accept' with the value 'application/json'. The response is a 200 OK status, received in 2.50 seconds with a body size of 915 B. The response body is displayed in JSON format, showing a booking record for Josh Allen with a total price of 111, a deposit paid, and specific booking dates.

Workspaces ▾ More ▾

< updat POST token DEL delete GET getbo GET info o > + ▾ evaluation-20/7/2025 ▾

New Collection - sample / evaluation-20/7/2025 / info of id Save ▾ Share

GET ▾ https://restful-booker.herokuapp.com/booking/405 Send ▾

Params ● Auth Headers (8) Body Scripts Settings Cookies </>

Headers 7 hidden

	Key	Value	D...	...	Bulk Edit	Presets ▾
<input checked="" type="checkbox"/>	Accept	application/json				
	Key	Value	Description			

Body ▾ ↺ 200 OK • 2.50 s • 915 B • Save Response ...

{ } JSON ▾ ▶ Preview ↺ Visualize ▾

```
1 {
2   "firstname": "Josh",
3   "lastname": "Allen",
4   "totalprice": 111,
5   "depositpaid": true,
6   "bookingdates": {
7     "checkin": "2018-01-01",
8     "checkout": "2019-01-01"
9   },
10  "additionalneeds": "super bowls"
11 }
```

Console Postbot Runner Vault 2:05 PM 7/20/2025

3. Create booking

The screenshot displays the Postman application interface. At the top, the 'Workspaces' and 'More' menus are visible. The main workspace shows a collection named 'New Collection - sample' with a request named 'create booking'. The request is a POST method to the URL 'https://restful-booker.herokuapp.com/booking'. The request body is in JSON format, containing the following data:

```
1 {
2   "firstname" : "{{fname}}",
3   "lastname" : "{{lname}}",
4   "totalprice" : 111,
5   "depositpaid" : true,
6   "bookingdates" : {
7     "checkin" : "2018-01-01",
8     "checkout" : "2019-01-01"
9   },
10  "additionalneeds" : "Breakfast"
11 }
```

The response is a 200 OK status, received in 321 ms with a body size of 950 B. The response body is in JSON format, containing the following data:

```
1 {
2   "bookingid": 2785,
3   "booking": {
4     "firstname": "mahi",
5     "lastname": "{{lname}}",
6     "totalprice": 111,
7     "depositpaid": true,
8     "bookingdates": {
9       "checkin": "2018-01-01",
10      "checkout": "2019-01-01"
11     },
12    "additionalneeds": "Breakfast"
13  }
```

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 2:06 PM on 7/20/2025.

4. Token generator

Workspaces ▾ More ▾

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Upgrade ▾

— □

👤 < POST token DEL delete GET getbo GET info o POST c > + ▾

evaluation-20/7/2025 ▾

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🔗 New Collection - sample / evaluation-20/7/2025 / token generator

📁 Save ▾ Share

POST ▾

https://restful-booker.herokuapp.com/auth

Send ▾

Params Auth Headers (10) Body ● Scripts ● Settings

Cookies </>

raw ▾ JSON ▾ Beautify ↕

```
1 {
2   "username" : "admin",
3   "password" : "password123"
4 }
```

Body ▾ 🕒

200 OK • 317 ms • 766 B • 🌐 | 📄 Save Response ⋮

{ } JSON ▾ ▶ Preview 🎨 Visualize ▾

🔍 📄 🔗

```
1 {
2   "token": "da2d55b30c7889e"
3 }
```

📄 🔍 📄 Console

Postbot ▶ Runner 🔗 🌐 🏠 Vault 🗑️ 🧩 ?

ENG IN 🔊 🔌 2:07 PM 7/20/2025

5.Update booking

The screenshot displays the Postman application interface. At the top, the 'Workspaces' tab is active, showing a collection named 'New Collection - sample / evaluation-20/7/2025 / update booking'. The request method is set to 'PUT' and the URL is 'https://restful-booker.herokuapp.com/booking/{{b_id}}'. The 'Headers' tab is selected, showing 11 headers, with 'Content-Type' set to 'application/json' and 'Cookie' set to 'token={{b_token}}'. The 'Body' tab is also visible, showing a JSON payload. The response status is '200 OK' with a response time of 2.79 s and a size of 911 B. The JSON response is displayed in the 'Body' tab.

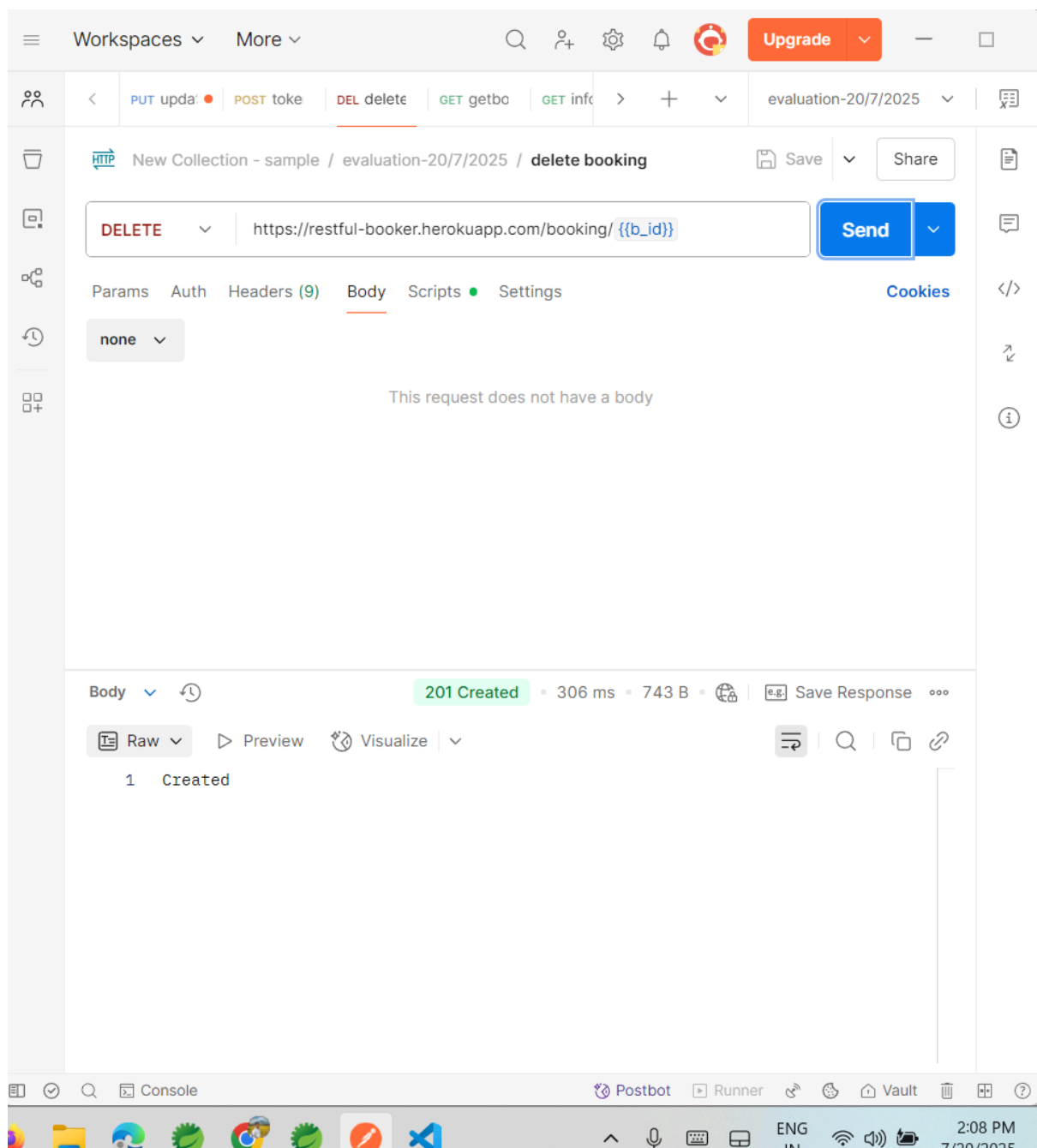
Headers

Key	Value	Description
<input checked="" type="checkbox"/> Content-Type	application/json	
<input checked="" type="checkbox"/> Cookie	token={{b_token}}	

Body

```
1 {
2   "firstname": "mahesh",
3   "lastname": "reddy",
4   "totalprice": 11,
5   "depositpaid": true,
6   "bookingdates": {
7     "checkin": "2018-01-01",
8     "checkout": "2019-01-01"
9   },
10  "additionalneeds": "dinner"
11 }
```

6.Delete booking



Environment link;

Environment:

Workspaces ▾ More ▾

delete GET getbo GET info o POST crea evaluat > + ▾ evaluation-20/7/2025 ▾

evaluation-20/7/2025 Fork 0 Save Share ...

Filter variables

	Variable	Type	Initial value	Current value	...
<input checked="" type="checkbox"/>	b_id	def... ▾		2785	
<input checked="" type="checkbox"/>	b_token	def... ▾		da2d55b30c7889e	
<input checked="" type="checkbox"/>	fname	def... ▾	mahi	mahi	
<input checked="" type="checkbox"/>	lname	def... ▾	reddy	reddy	
	Add new variable				

Postbot Runner Vault ?

ENG IN 2:09 PM 7/20/2025

```
{
  "id": "c3eb9f2c-532f-4992-b78c-aecfbc953ea1",
  "name": "evaluation-20/7/2025",
  "values": [
    {
      "key": "b_id",
      "value": "",
      "type": "any",
```

```
        "enabled": true
    },
    {
        "key": "b_token",
        "value": "",
        "type": "any",
        "enabled": true
    },
    {
        "key": "fname",
        "value": "mahi",
        "type": "default",
        "enabled": true
    },
    {
        "key": "lname",
        "value": "reddy",
        "type": "default",
        "enabled": true
    }
],
"_postman_variable_scope": "environment",
"_postman_exported_at": "2025-07-20T08:32:11.507Z",
"_postman_exported_using": "Postman/11.54.6"
}
```