

# DOCUMENTATION

## Mini-Project | Upload an Image to Search

### Problem Statement:

- Open the google search page in the specified Browser
- Navigate to the image link to search for Image link In the page
- select the upload option in Image Search page
- Upload the image found in pictures folder
- Validate message "About xxxx results in x xx seconds" on top left side of the page
- Take the screenshot for the search result
- Close the Browser

### To run the Project:

#### Step 1 :

- Import the project from eclipse or your favourite IDE
- Download the dependency from pom.file

```
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
<dependency>
  <groupId>org.seleniumhq.selenium</groupId>
  <artifactId>selenium-java</artifactId>
  <version>3.141.59</version>
</dependency>
<!-- https://mvnrepository.com/artifact/org.testng/testng -->
<dependency>
  <groupId>org.testng</groupId>
  <artifactId>testng</artifactId>
  <version>7.3.0</version>
  <scope>test</scope>
</dependency>
<dependency>
  <groupId>com.aventstack</groupId>
  <artifactId>extentreports</artifactId>
  <version>3.1.5</version>
</dependency>
```

#### Step 2;

Change the UploadImagePath form Config.properties file

```

1 # Global variables
2
3
4 websiteURL=https://www.google.com
5
6 # locators
7 imgButn_xpath=//a[text()='Images']
8 imgIcon_xpath=//*[@id='sbtc']/div/div[3]/div[2]
9 uploadImgButn_xpath=//*[@id=\"dRSWfb\"]/div/a
10 chooseFileButn=encoded_image
11 uploadImagePath=/home/kishore/Pictures/ronaldo.jpg

```

change uploadImagePath to get  
image from the local computer or  
remote server

**Location :** {projectDir}/src/test/resources/ObjectRepo/config.properties

Step 3:

Run from testing.xml file

Right click > RunAs>TestNGSuite

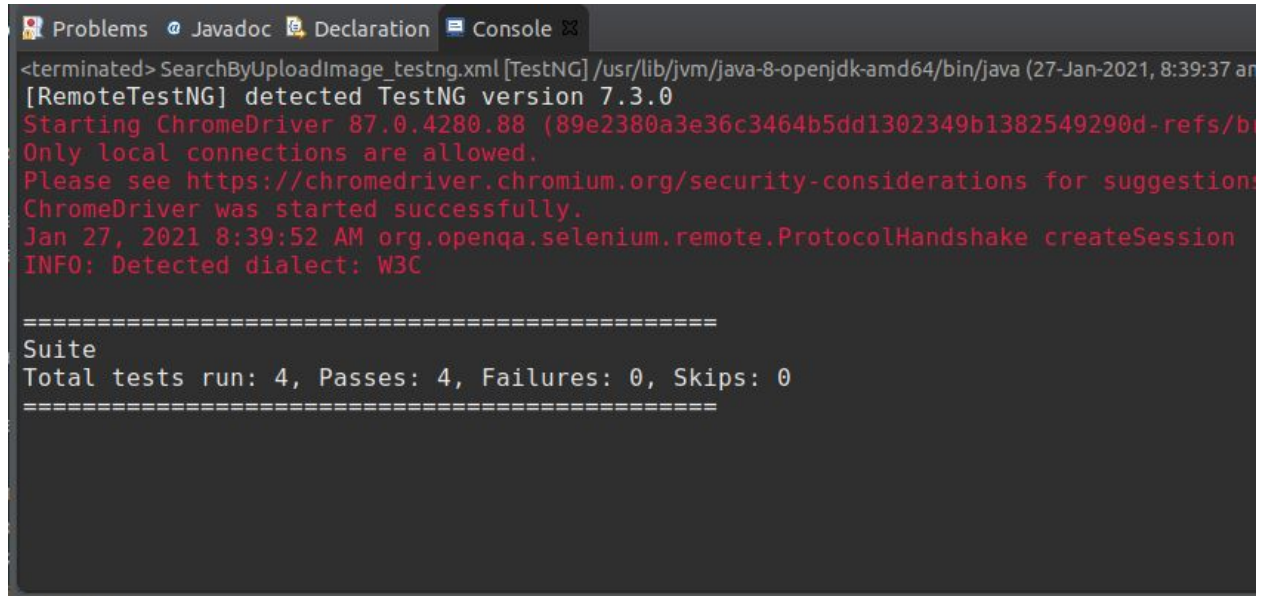
```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
3 <suite name="Suite">
4
5   <test name="Test">
6     <!--change browser to firefox/chrome-->
7     <parameter name="browserName" value="chrome"></parameter>
8     <classes>
9       <class name="com.search.by.image.test.uploadSearch" />
10      <class name="com.upload.image.SearchByUploadImage.BaseUI" />
11    </classes>
12  </test>
13
14 </suite>
15
16

```

Step 4:

Now successfully browser launched and test suite will execute



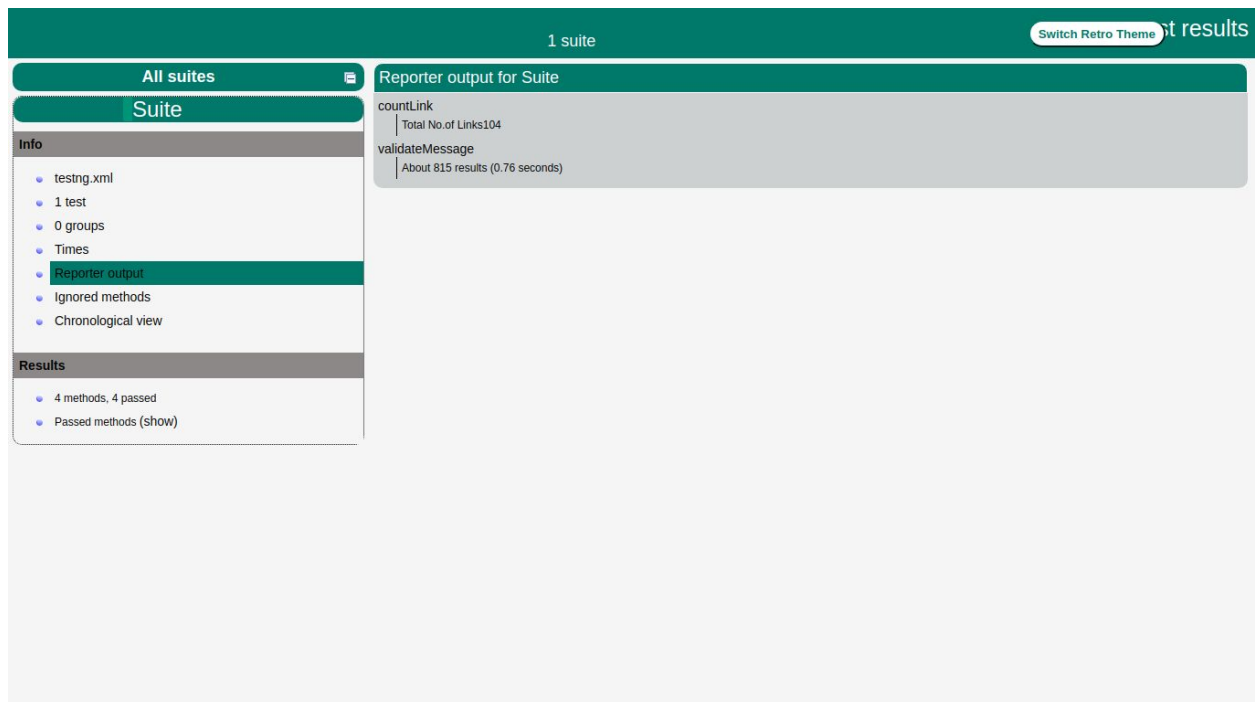
```
<terminated> SearchByUploadImage_testng.xml [TestNG] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (27-Jan-2021, 8:39:37 am)
[RemoteTestNG] detected TestNG version 7.3.0
Starting ChromeDriver 87.0.4280.88 (89e2380a3e36c3464b5dd1302349b1382549290d-refs/b
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestion
ChromeDriver was started successfully.
Jan 27, 2021 8:39:52 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C

=====
Suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====
```

Step 5 :

To check the output

Open test-output folder>click index.html



The screenshot shows the TestNG HTML report interface. At the top, it says "1 suite" and "Switch Retro Theme". Below this, there's a sidebar on the left with a tree view under "All suites" and "Suite". The tree view includes "Info" (testing.xml, 1 test, 0 groups, Times, Reporter output, Ignored methods, Chronological view) and "Results" (4 methods, 4 passed, Passed methods (show)). The main area on the right is titled "Reporter output for Suite" and contains two sections: "countLink" (Total No. of Links: 104) and "validateMessage" (About 815 results (0.76 seconds)).

### **Successfully Implemented:**

- Reusable code
- Multiple browser
- Data import from property file
- Used code Standard like comment,object name convention
- Used explicit & Implicit wait
- Locator- xpath,id,name
- Code readability
- Screenshots
- Used exception handling
- Verified webpage title by asserts annotations

### **Tools:**

- Maven
- Selenium 3.141
- TestNG 7.3
- Java 8