package tests;

import java.io.IOException;

import java.net.HttpURLConnection;

import java.net.MalformedURLException;

import java.net.URL;

import java.net.URLConnection;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.asserts.SoftAssert;

public class BrokenLinks {

public static void main(String[] args) throws MalformedURLException, IOException {

// TODO Auto-generated method stub

System.setProperty("webdriver.chrome.driver", "C://chromedriver.exe");

WebDriver driver=new ChromeDriver();

//broken URL

//Step 1 - IS to get all urls tied up to the links using Selenium

// Java methods will call URL's and gets you the status code

//if status code >400 then that url is not working-> link which tied to url is broken

//a[href\*="soapui"]'

driver.get("https://rahulshettyacademy.com/AutomationPractice/");

List<WebElement> links= driver.findElements(By.cssSelector("li[class='gf-li'] a"));

SoftAssert a =new SoftAssert();

for(WebElement link : links)

{

String url= link.getAttribute("href");

HttpURLConnection conn= (HttpURLConnection)new URL(url).openConnection();

conn.setRequestMethod("HEAD");

conn.connect();

int respCode = conn.getResponseCode();

System.out.println(respCode);

a.assertTrue(respCode<400, "The link with Text"+link.getText()+" is broken with code" +respCode);

}

a.assertAll();

}

private static Object getReturnCode(WebElement link) {

// TODO Auto-generated method stub

return null;

}

}