Create a maven project then

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>com.TestNGFw</groupId>

<artifactId>Fwk</artifactId>

<version>1.0.0-SNAPSHOT</version>

<properties>

<maven.compiler.target>1.8</maven.compiler.target>

<maven.compiler.source>1.8</maven.compiler.source>

</properties>

<dependencies>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>3.8.1</version>

</dependency>

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.4.0</version>

</dependency>

<dependency>

<groupId>com.relevantcodes</groupId>

<artifactId>extentreports</artifactId>

<version>2.41.2</version>

</dependency>

<dependency>

<groupId>commons-io</groupId>

<artifactId>commons-io</artifactId>

<version>2.11.0</version>

</dependency>

</dependencies>

</project>

Make 2 folder under src/main/resources

1 configration

Make inside conficguration.properties->baseURL=https://www.amazon.in

2 driver

Inside paste all latest brower drivers

Now go to src/main/java

Crate 3 folder

1 listeners

2 pages

**3 utils**

-> inside utils

Create a class name as browserManager.

package utils;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.edge.EdgeDriver;

public class BrowserManager {

public static WebDriver setProperty(WebDriver driver, String Browser) {

if (Browser.equalsIgnoreCase("chrome")) {

System.setProperty(Constant.ChromeDriverKey, Constant.ChromeDriverPath);

driver = new ChromeDriver();

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

} else if (Browser.equals("edge")) {

System.setProperty(Constant.EdgeDriverKey, Constant.EdgeDriverPath);

driver = new EdgeDriver();

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

}

return driver;

}

}

i**nside utils**

Create a class name as Constant

**package** utils;

**public** **class** Constant {

**public** **static** String *ChromeDriverKey*="webdriver.chrome.driver";

**public** **static** String *ChromeDriverPath*="./src/main/resources/drivers/chromedriver.exe";

// for initializing chrome driver

**public** **static** String *EdgeDriverKey* ="webdriver.edge.driver";

**public** **static** String *EdgeDriverPath*="./src/main/resources/drivers/msedgedriver.exe";

// for initializing edge driver

}

inside utils

Create a class name as ExtentReport

**package** utils;

**import** com.relevantcodes.extentreports.ExtentReports;

**public** **class** ExtentReport {

**public** **static** ExtentReports reportInit() {

**return** **new** ExtentReports("./outputs/Reports/ExtentReport.html", **false**);

}

}

**Inside utils create a class name as ReadConfiguration**

package utils;

import java.io.File;

import java.io.FileInputStream;

import java.io.IOException;

import java.util.Properties;

public class ReadConfigurationProperty {

public static String browserName() throws IOException {

File file = new File("./src/main/resources/configuration/configuration.properties");

FileInputStream fileIS = new FileInputStream(file);

Properties prop = new Properties();

prop.load(fileIS);

return prop.getProperty("browserName");

}

public static String baseURL() throws IOException {

File file = new File("./src/main/resources/configuration/configuration.properties");

FileInputStream fileIO = new FileInputStream(file);

Properties prop = new Properties();

prop.load(fileIO);

return prop.getProperty("baseURL");

}

}

**Inside utils create a class name as ReadConfiguration**

package utils;

import java.io.File;

import java.io.IOException;

import java.text.SimpleDateFormat;

import java.util.Date;

import org.apache.commons.io.FileUtils;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

public class Screenshot {

public static String takeScreenshotAs(WebDriver driver, String fileName) throws IOException {

String logfileName = new SimpleDateFormat("yyyyMMddHHmm'.png'").format(new Date());

fileName = fileName+"\_"+logfileName;

String directory = "\\outputs\\screenshot\\";

File sourceFile=((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

FileUtils.copyFile(sourceFile, new File(directory+fileName));

String destination = directory+fileName;

return destination;

}

}

**Inside src/main/java**

*Create folder name as pages*

*Inside page create a class name as Comman*

*package pages;*

*import java.io.IOException;*

*import org.openqa.selenium.By;*

*import org.openqa.selenium.WebDriver;*

*import org.openqa.selenium.WebElement;*

*import utils.BrowserManager;*

*import utils.ReadConfigurationProperty;*

*public class Common {*

*public static WebElement element;*

*public static WebDriver driver;*

*public static void openURL() throws IOException {*

*driver = BrowserManager.setProperty(driver, ReadConfigurationProperty.browserName());*

*driver.get(ReadConfigurationProperty.baseURL());*

*}*

*public static WebElement inputBox(WebDriver driver) {*

*String id = "twotabsearchtextbox";*

*element = driver.findElement(By.id(id));*

*return element;*

*}*

*//*

*// public static WebElement searchButtonP(WebDriver driver) {*

*// String id = "nav-search-submit-button";*

*// element = driver.findElement(By.id(id));*

*// return element;*

*// }*

*//*

*// public static WebElement searchButtonF(WebDriver driver) {*

*// String id = "nav-search-submit-buttonaa";*

*// element = driver.findElement(By.id(id));*

*// return element;*

*// }*

*//*

*// public static void searchProductP(String data) {*

*// Common.inputBox(driver).sendKeys(data);*

*// Common.searchButtonP(driver).click();*

*// Common.inputBox(driver).clear();*

*//*

*// }*

*//*

*// public static void submitSearchP() {*

*// Common.searchButtonP(driver).click();*

*//*

*// }*

*//*

*// public static void searchProductF(String data) {*

*// Common.inputBox(driver).sendKeys(data);*

*// Common.searchButtonF(driver).click();*

*// Common.inputBox(driver).clear();*

*//*

*// }*

*}*

*Create a folder name as class*

*Create a file Name.xml*

*For run a class*

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">

<suite name="Passing suite">

<listeners>

<listener class-name="listeners.I\_Reporter"></listener>

</listeners>

<test thread-count="5" name="Test">

<classes>

<class name="base.BasePass" />

</classes>

</test> <!-- Test -->

</suite> <!-- Passing suite -->

*Create a folder name as suite*

*Create a file Name.xml*

<suite name="Parent suite">

<listeners>

<listener class-name="listeners.I\_SuiteListener"></listener>

</listeners>

<suite-files>

<suite-file path="./Suites/Children/pass.xml"></suite-file>

<suite-file path="./Suites/Children/fail.xml"></suite-file>

</suite-files>

</suite>