

软件测试第二次上机报告

一、安装 Selenium 插件

我的火狐浏览器版本为 59.0.2 (64 位)，在附加组件->扩展中搜索 Selenium，添加了 Katalon AutoMation Recorder3.4.11。

二、录制和导出脚本

点击录制按钮开始录制，访问 <https://psych.liebes.top/st>，输入学号和密码，点击登录按钮，在 Github 地址处点击 `assertText`，给 github 地址下断言，结束录制。关闭浏览器，点击 `PlayAll`，测试通过。

moz-extension://b3746d21-0e8a-42a2-b30d-ce6ca919d3b2 - Katalon Automation Recorder 3.4.11 ...

The screenshot displays the Katalon Automation Recorder interface. At the top, there is a toolbar with buttons for New, Record, Play, Play Suite, Play All, Pause, and Export. Below the toolbar, the main area is divided into two sections. The left section, titled 'Test Suites', shows a tree view with 'Untitled Test Suite*' and 'Untitled Test Case *'. The right section, titled 'Command', 'Target', and 'Value', lists the recorded steps of the test case. The steps are: 'open' with target 'https://psych.liebes.top/st', 'click' with target 'id=username', 'type' with target 'id=username' and value '3015218114', 'click' with target 'id=password', 'type' with target 'id=password' and value '218114', 'click' with target 'id=submitButton', and 'assertText' with target '//p' and value 'https://github.com/hdychi'. Below the list, there are input fields for Command, Target, and Value. At the bottom, there is a 'Log' section with tabs for Log, Screenshots, Variables, Data Driven, and Reference. The Log tab is selected, showing a series of log messages indicating the successful execution of the test case.

Command	Target	Value
open	https://psych.liebes.top/st	
click	id=username	
type	id=username	3015218114
click	id=password	
type	id=password	218114
click	id=submitButton	
assertText	//p	https://github.com/hdychi

Passed: 1 Failed: 0

Log Screenshots Variables Data Driven Reference

```
[info] Executing: | type | id=username | 3015218114 |
[info] Executing: | click | id=password | |
[info] Executing: | type | id=password | 218114 |
[info] Executing: | click | id=submitButton | |
[info] Executing: | assertText | //p | https://github.com/hdychi |
[info] Time: Sat Apr 14 2018 10:35:54 GMT+0800 Timestamp: 1523673354008
[info] Test case passed
```

点击 Export，导出脚本

三、添加 Jar 包依赖和环境配置

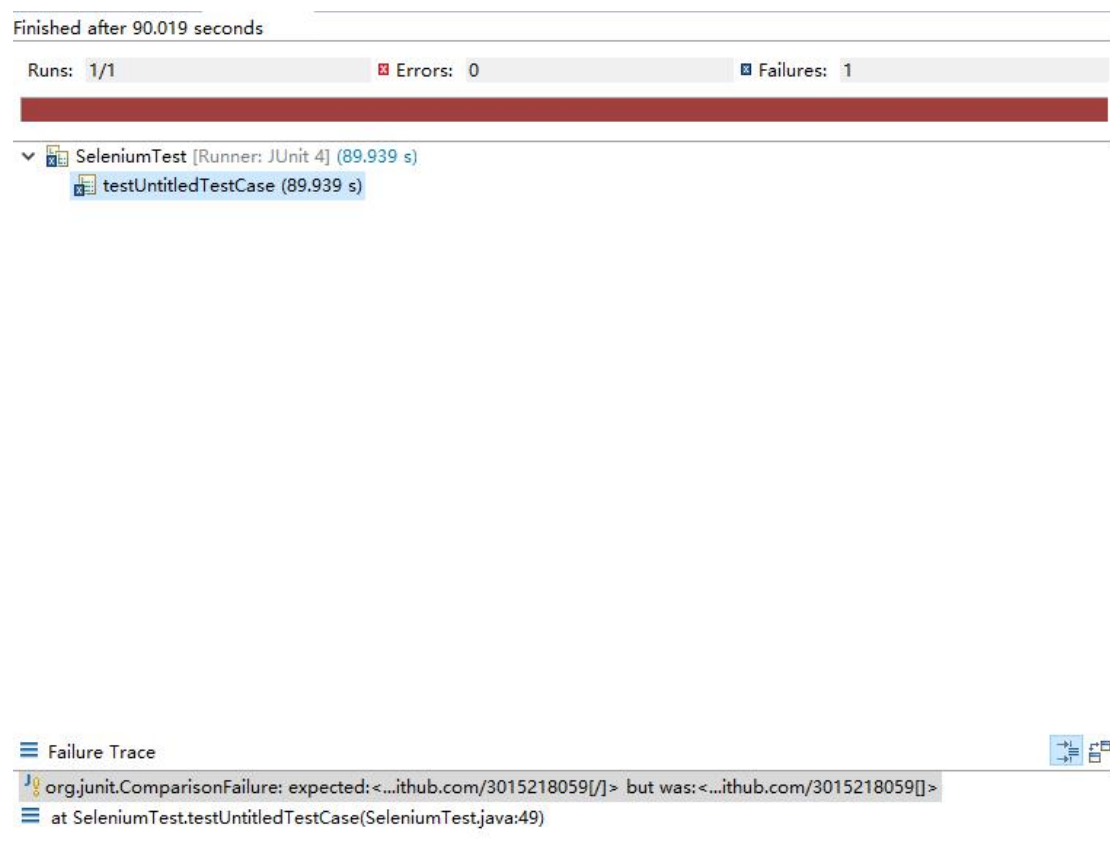
从 Selenium 官网下载到 Selenium3.11.0 的 jar 包，添加到 Eclipse 中，再添加到 Eclipse 中。下载 POI 的 jar 包以对表格进行操作，添加它的一系列 jar 包。添加完 jar 包将 jar 包加入 Build Path。在运行过程中发现 Selenium 与火狐浏览器版本不兼容问题，需要下载一个驱动：webdriver.gecko.driver。并且需要设置其路径：

```
System.setProperty("webdriver.gecko.driver", "C:\\\\geckodriver\\\\geckodriver.exe");
```

四、编写代码测试运行

代码详见 src 文件夹。

运行结果如下：



可以看到有一个路径跟 xlsx 上的路径不一样，多了个/号。因此测试失败。

更改代码忽略/，并排除没有账号无法登陆的情况：

```

String res = driver.findElement(By.xpath("//p")).getText();
if(res.endsWith("/")){
    res = res.substring(0, res.length()-1);
}
if(data.get(i)[1].endsWith("/")){
    data.get(i)[1] = data.get(i)[1].substring(0, data.get(i)[1].length()-1);
}
data.get(i)[1] = data.get(i)[1].trim();
if(!res.equals("Sign in to get your information")){
    assertEquals(data.get(i)[1],res);
}
}

```

最终通过测试：

