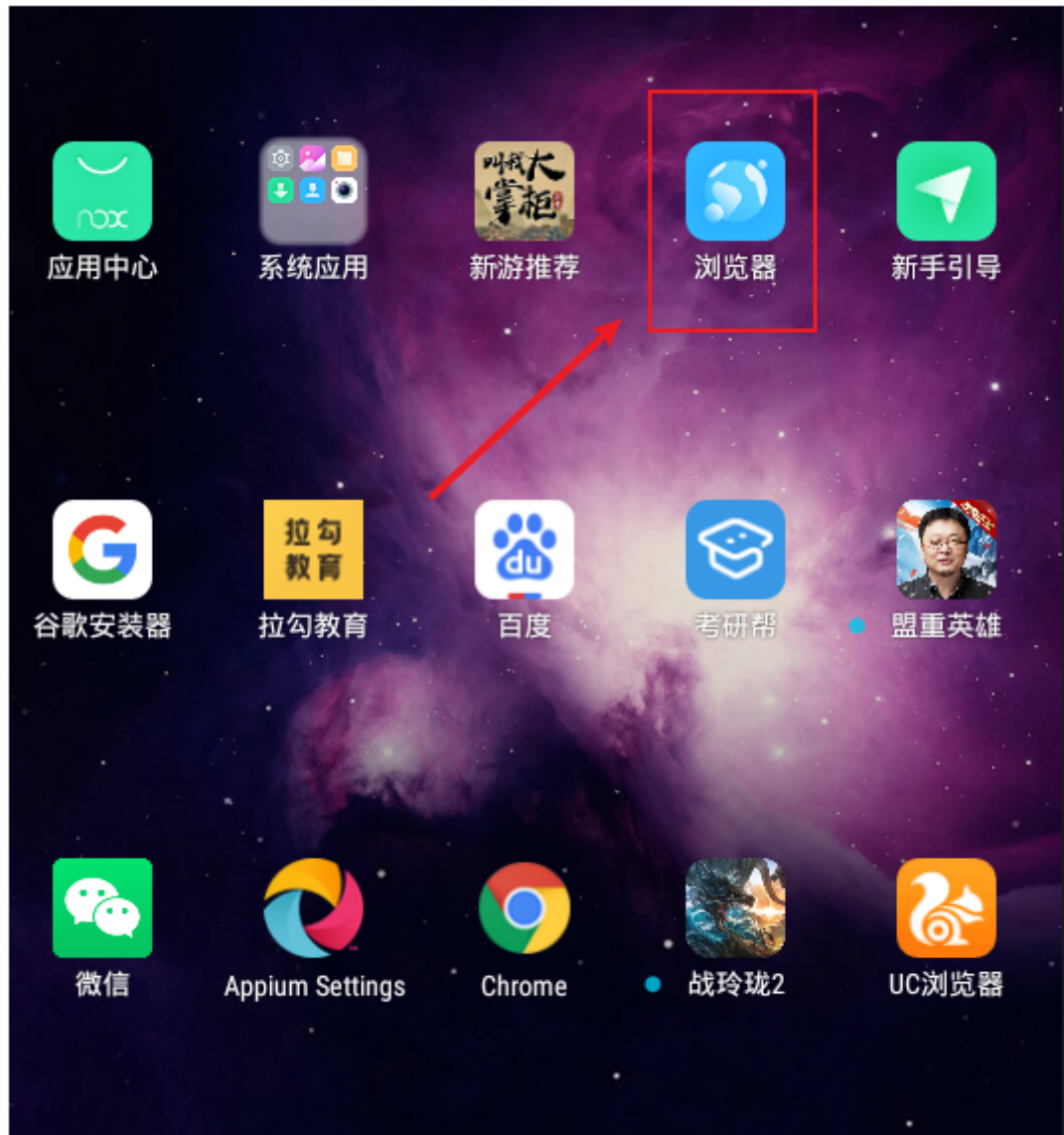


APP浏览器自动化测试

1 环境准备

浏览器：夜神浏览器自带



定位工具：uc- devtools



查询被测应用的包名和界面名

```
caps['appPackage'] = 'com.android.browser'  
caps['appActivity'] = '.BrowserActivity'
```

2 查看浏览器元素定位

模拟器启动浏览器

开启uc- devtools工具 -- 识别webview (如图) -- 点击inspect

前置代码，和之前相同（打开的包名和启动名是浏览器软件）

获取，driver的所有的上下文。

得到，一个原生的app的字符串，还有其他各种webview的字符串。

如：

NATIVE_APP WEBVIEW_cn.goapk.market WEBVIEW_com.android.browser

通过，driver的switchto来切换上下文

切换后可以使用selenium的方法进行元素定位

代码

```
from appium import webdriver
import time
caps = {}
# 平台
caps['platformName'] = 'Android'

caps['platVersion'] = '5.1.1'

caps['deviceName'] = '127.0.0.1:62201'

caps['appPackage'] = 'com.android.browser'
caps['appActivity'] = '.BrowserActivity'
#中文
caps['unicodeKeyboard'] = True
#键盘
caps['resetKeyboard'] = True

# 重置

caps['noReset'] = True

driver = webdriver.Remote('http://127.0.0.1:4723/wd/hub',desired_capabilities=caps)

driver.implicitly_wait(30)

# 操作同selenium

driver.get('https://m.baidu.com')

print(driver.contexts)

# 切换到网页环境

driver.switch_to.context("WEBVIEW_com.android.browser")
# 定位百度输入框并输入拉勾教育

driver.find_element_by_id("index-kw").send_keys("拉勾教育")
# 定位百度一下按钮并点击
driver.find_element_by_id("index-bn").click()
```

4 注意事项

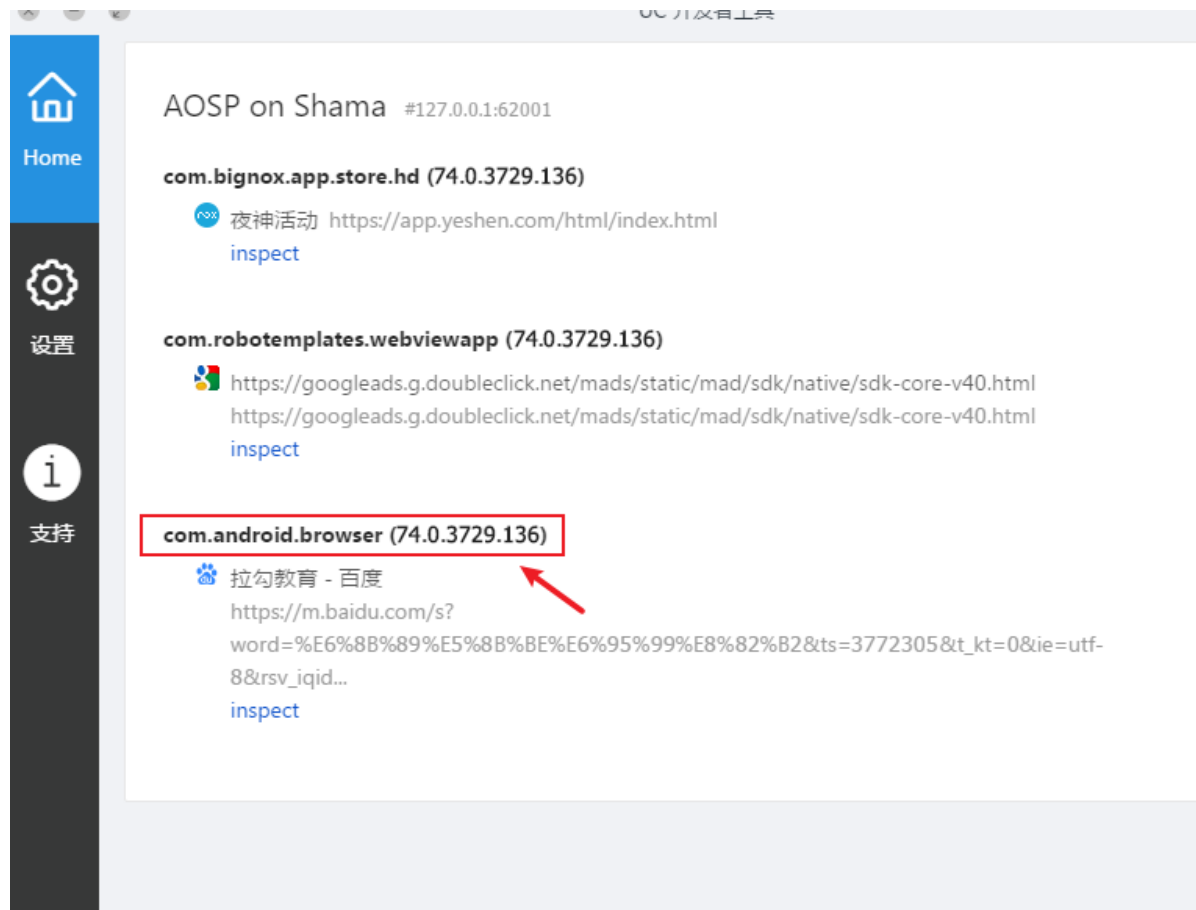
关于没有对应 chromedriver 的问题

根据错误信息下载对应的 chromedriver

```
File "D:\python3\lib\site-packages\appium\webdriver\errorhandler.py", line 29, in check_response
    raise ude
File "D:\python3\lib\site-packages\appium\webdriver\errorhandler.py", line 24, in check_response
    super(MobileErrorHandler, self).check_response(response)
File "D:\python3\lib\site-packages\selenium\webdriver\remote\errorhandler.py", line 242, in check_response
    raise exception_class(message, screen, stacktrace)
selenium.common.exceptions.WebDriverException: Message: An unknown server-side error occurred while processing the command. Original error: Failed to start Chromedriver session: A new session could not be created.
Details: [object Object] session not created: This version of Chromedriver only supports Chrome version 76
(Driver info: chromedriver=76.0.3809.25 (a6c95f440512e6df1c3c206f2d79cc20be18bb1-refs/branch-heads/3809@{#271}),platform=Windows NT 10.0.17134 x86_64)
```

此处有chrome版本对应的chromedriver版本

需要下载chromedriver 下载哪个版本?



<https://www.cnblogs.com/yoyoketang/p/9156319.html>

解压zip会得到一个chromedriver文件

启动 appium 时加载 chromedriver

点击 Advanced

将 chromedriver 的路径输入到 chromedriver binary path 中

点击 start server



Simple **Advanced** Presets

General

Server Address: 0.0.0.0 Server Port: 4723 Logfile Path: Log Level: debug Override Temp Path: Node Config File Path: Local Timezone
☐ Log Timestamps ☐ Suppress Log Color ☐ Strict Caps Mode ☐ Relaxed Security

iOS

WebInspector Port: 8100 executeAsync Callback Port: executeAsync Callback Port:

Android

Bootstrap Port: 4714 Selendroid Port: 8080 Chromedriver Port: Chromedriver Binary Path: **bin\chromedriver.exe**

Start Server v1.12.1
Edit Configurations

Save As Preset...

