每次运行测试，可以从Appium Server控制台看到有特别多的日志输出，这些日志其实很清楚的显示一个test从启动到case完成的活动过程

所以如果能够更好的理解这些日志的内容，会帮助我们更好的理解整个测试流程。

下面是一个例子，主要功能是在安卓模拟器上安装某个APP，并进行登录。

日志的具体内容如下所示：

> Launching Appium server with command: C:\Program Files (x86)\Appium\node.exe lib\server\main.js --address 127.0.0.1 --port 4723 --platform-name Android --platform-version 23 --automation-name Appium --log-no-color  
> warn: Appium support for versions of node < 0.12 has been deprecated and will be removed in a future version. Please upgrade!  
> info: Welcome to Appium v1.4.13 (REV c75d8adcb66a75818a542fe1891a34260c21f76a)  
> info: Appium REST http interface listener started on 127.0.0.1:4723  
> info: [debug] Non-default server args: {"address":"127.0.0.1","logNoColors":true,"platformName":"Android","platformVersion":"23","automationName":"Appium"}  
> info: Console LogLevel: debug  
===== 启动REST http服务器，默认监听 本地4723端口（这里可通过ip配置appium server的地址）  
     用于接收客户端（Test Case+Selenium/Appium Driver)发过来的JSON格式的命令指示。   
  
> info: --> POST /wd/hub/session {"desiredCapabilities":{"automationName":"Appium","platformVersion":"4.2.2","app":"D:\\project\\AppiumFirstTest\\app\\Winky\_default\_1.2.16.apk","deviceName":"Android Emulator","platformName":"Android",  
"appActivity":".ui.activity.MainActivity","appPackage":"com.weiboyi.winky"}}  
> info: Client User-Agent string: Apache-HttpClient/4.3.3 (java 1.5)  
> info: [debug] Using local app from desired caps: D:\project\AppiumFirstTest\app\Winky\_default\_1.2.16.apk  
> info: [debug] Creating new appium session 3c687853-cbb9-4ad4-ac30-00fddbec10fe  
> info: Starting android appium  
> info: [debug] Getting Java version  
> info: Java version is: 1.7.0\_79  
> info: [debug] Checking whether adb is present  
> info: [debug] Using adb from D:\Program Files\Android\android-sdk\platform-tools\adb.exe  
> info: [debug] Using fast reset? true  
===== 根据客户端提供的capabilities指示建立一个Android Sesision用于跟客户端保持后续通信  
  
> info: [debug] Preparing device for session  
> info: [debug] Checking whether app is actually present  
> info: Retrieving device  
> info: [debug] Trying to find a connected android device  
> info: [debug] Getting connected devices...  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" devices  
> info: [debug] 1 device(s) connected  
> info: Found device emulator-5554  
> info: [debug] Setting device id to emulator-5554  
> info: [debug] Waiting for device to be ready and to respond to shell commands (timeout = 5)  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 wait-for-device  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "echo 'ready'"

===== 通过”adb devices“命令列出查询到的手机 emulator-5554  
=====通过"adb  -s emulator-5554 wait-for-device"和"adb -s emulator-5554 shell "echo 'ready'"检查安卓手机是否已经准备好  
   
  
> info: [debug] Starting logcat capture  
> info: [debug] Getting device API level  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "getprop ro.build.version.sdk"  
> info: [debug] Device is at API Level 19  
> info: Device API level is: 19  
===== 通过adb执行相应的shell命令获得安卓机器的API Level  
  
> info: [debug] Extracting strings for language: default  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "getprop persist.sys.language"  
> info: [debug] Current device persist.sys.language: zh  
> info: [debug] java -jar "C:\Program Files (x86)\Appium\node\_modules\appium\node\_modules\appium-adb\jars\appium\_apk\_tools.jar" "stringsFromApk"  "D:\project\AppiumFirstTest\app\Winky\_default\_1.2.16.apk" "C:\Users\win7\AppData\Local\Temp\com.weiboyi.winky" zh  
> info: [debug] Reading strings from converted strings.json  
> info: [debug] Setting language to default  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 push "C:\\Users\\win7\\AppData\\Local\\Temp\\com.weiboyi.winky\\strings.json" /data/local/tmp  
> info: [debug] Checking whether aapt is present  
> info: [debug] Using aapt from D:\Program Files\Android\android-sdk\build-tools\23.0.2\aapt.exe  
> info: [debug] Retrieving process from manifest.  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\build-tools\23.0.2\aapt.exe" dump xmltree  D:\project\AppiumFirstTest\app\Winky\_default\_1.2.16.apk AndroidManifest.xml  
> info: [debug] Set app process to: com.weiboyi.winky  
> info: [debug] Not uninstalling app since server not started with --full-reset  
> info: [debug] Checking app cert for D:\project\AppiumFirstTest\app\Winky\_default\_1.2.16.apk.  
> info: [debug] executing cmd: java -jar "C:\Program Files (x86)\Appium\node\_modules\appium\node\_modules\appium-adb\jars\verify.jar"  D:\project\AppiumFirstTest\app\Winky\_default\_1.2.16.apk  
> info: [debug] App already signed.  
> info: [debug] Zip-aligning D:\project\AppiumFirstTest\app\Winky\_default\_1.2.16.apk  
> info: [debug] Checking whether zipalign is present  
> info: [debug] Using zipalign from D:\Program Files\Android\android-sdk\build-tools\23.0.2\zipalign.exe  
> info: [debug] Zip-aligning apk.  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\build-tools\23.0.2\zipalign.exe" -f 4 D:\project\AppiumFirstTest\app\Winky\_default\_1.2.16.apk C:\Users\win7\AppData\Local\Temp\115113-3716-wbhh3m\appium.tmp  
> info: [debug] MD5 for app is 37dbd1e6b45b84b54581706c71725f6c  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell " ls /data/local/tmp/37dbd1e6b45b84b54581706c71725f6c.apk"  
> info: [debug] Getting install status for com.weiboyi.winky  
=====使用工具aapt，通过命令“aapt dump badging Winky\_default\_1.2.16.apk”来获得dobby的packageName和launchable activityName  
  
> info: [debug] Getting device API level  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "getprop ro.build.version.sdk"  
> info: [debug] Device is at API Level 19  
===== 通过adb执行相应的shell命令获得安卓机器的API Level  
  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "pm list packages -3 com.weiboyi.winky"  
> info: [debug] App is installed  
> info: Installing App  
===== 通过adb执行相应的shell命令检查目标应用是否已经存在 pm list packages -3 com.weiboyi.winky  
  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "mkdir -p /data/local/tmp/"  
> info: [debug] Removing any old apks  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "ls /data/local/tmp/\*.apk"  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell rm "/data/local/tmp/4634d715dc9bf150d018dc51ade40e88.apk"  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 push "D:\\project\\AppiumFirstTest\\app\\Winky\_default\_1.2.16.apk" /data/local/tmp/37dbd1e6b45b84b54581706c71725f6c.apk  
> info: [debug] Uninstalling com.weiboyi.winky  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "am force-stop com.weiboyi.winky"  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 uninstall com.weiboyi.winky  
> info: [debug] App was uninstalled  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "pm install -r /data/local/tmp/37dbd1e6b45b84b54581706c71725f6c.apk"  
===== 通过adb执行相应的shell命令，在安卓目标机器上清理目标应用运行环境：该卸载就卸载，该停止就停止，该清空数据就清空数据  
  
> info: [debug] Forwarding system:4727 to device:4724  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 forward tcp:4724  
===== 通过adb执行相应的shell命令，建立Appium Server到目标机器上的端口转发  
  
> info: [debug] Pushing appium bootstrap to device...  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 push "C:\\Program Files (x86)\\Appium\\node\_modules\\appium\\build\\android\_bootstrap\\AppiumBootstrap.jar" /data/local/tmp/  
===== 通过adb执行相应的shell命令，把AppiumBootstrap.apk push到目标设备：这是目标机器上通过uiautomator工具（框架）运行的服务端，用于接受处理client端发送过来的命令  
  
> info: [debug] Pushing settings apk to device...  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 install "C:\Program Files (x86)\Appium\node\_modules\appium\build\settings\_apk\settings\_apk-debug.apk"  
> info: [debug] Pushing unlock helper app to device...  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 install "C:\Program Files (x86)\Appium\node\_modules\appium\build\unlock\_apk\unlock\_apk-debug.apk"  
> info: Starting App  
=====通过adb执行相应的shell命令， 把settings\_apk-debug.apk和unlock\_apk-debug.apk push到目标机器：emulator-5554  
  
  
> info: [debug] Attempting to kill all 'uiautomator' processes  
> info: [debug] Getting all processes with 'uiautomator'  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "ps 'uiautomator'"  
===== 通过adb执行相应的shell命令确保uiautomator没有已经在跑  
  
> info: [debug] No matching processes found  
> info: [debug] Running bootstrap  
> info: [debug] spawning: D:\Program Files\Android\android-sdk\platform-tools\adb.exe -s emulator-5554 shell uiautomator runtest AppiumBootstrap.jar -c io.appium.android.bootstrap.Bootstrap -e pkg com.weiboyi.winky -e disableAndroidWatchers false  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: numtests=1  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: stream=  
> info: [debug] [UIAUTOMATOR STDOUT] io.appium.android.bootstrap.Bootstrap:  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: id=UiAutomatorTestRunner  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: test=testRunServer  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: class="io".appium.android.bootstrap.Bootstrap  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: current=1  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS\_CODE: 1  
> info: [debug] [BOOTSTRAP] [debug] Socket opened on port 4724  
> info: [debug] [BOOTSTRAP] [debug] Appium Socket Server Ready  
> info: [debug] [BOOTSTRAP] [debug] Loading json...  
> info: [debug] Waking up device if it's not alive  
> info: [debug] Pushing command to appium work queue: ["wake",{}]  
> info: [debug] [BOOTSTRAP] [debug] json loading complete.  
> info: [debug] [BOOTSTRAP] [debug] Registered crash watchers.  
> info: [debug] [BOOTSTRAP] [debug] Client connected  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"wake","params":{}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: wake  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "dumpsys window"  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":true,"status":0}  
> info: [debug] Screen already unlocked, continuing.  
> info: [debug] Pushing command to appium work queue: ["getDataDir",{}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"getDataDir","params":{}}  
> info: [debug] dataDir set to: /data  
> info: [debug] Pushing command to appium work queue: ["compressedLayoutHierarchy",{"compressLayout":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: getDataDir  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":"\/data","status":0}  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"compressedLayoutHierarchy","params":{"compressLayout":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: compressedLayoutHierarchy  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":false,"status":0}  
> info: [debug] Getting device API level  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "getprop ro.build.version.sdk"  
> info: [debug] Device is at API Level 19  
===== 通过adb把目标机器上的Appium BootStrap跑起来：”uiautomator runtest AppiumBootstrap.jar -c io.appium.android.bootstrap.Rootstrap”.  
  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "am start -S -a android.intent.action.MAIN -c android.intent.category.LAUNCHER -f 0x10200000 -n com.weiboyi.winky/.ui.activity.MainActivity"  
> info: [debug] Waiting for pkg "com.weiboyi.winky" and activity ".ui.activity.MainActivity" to be focused  
> info: [debug] Getting focused package and activity  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "dumpsys window windows"  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "getprop ro.build.version.release"  
> info: [debug] Device is at release version 4.4.4  
> info: [debug] Device launched! Ready for commands  
> info: [debug] Setting command timeout to the default of 60 secs  
===== 通过adb在目标机器上 Launch app  
  
> info: [debug] Appium session started with sessionId 3c687853-cbb9-4ad4-ac30-00fddbec10fe  
> info: <-- POST /wd/hub/session 303 75048.909 ms - 74   
> info: --> GET /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe {}  
> info: [debug] Responding to client with success: {"status":0,"value":{"platform":"LINUX","browserName":"Android","platformVersion":"4.4.4",  
"webStorageEnabled":false,"takesScreenshot":true,"javascriptEnabled":true,"databaseEnabled":false,"networkConnectionEnabled":true,  
"locationContextEnabled":false,"warnings":{},"desired":{"automationName":"Appium","platformVersion":"4.2.2",  
"app":"D:\\project\\AppiumFirstTest\\app\\Winky\_default\_1.2.16.apk","deviceName":"Android Emulator","platformName":"Android",  
"appActivity":".ui.activity.MainActivity","appPackage":"com.weiboyi.winky"},"automationName":"Appium",  
"app":"D:\\project\\AppiumFirstTest\\app\\Winky\_default\_1.2.16.apk","deviceName":"emulator-5554","platformName":"Android",  
"appActivity":".ui.activity.MainActivity","appPackage":"com.weiboyi.winky"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- GET /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe 200 2.212 ms - 804 {"status":0,"value":{"platform":"LINUX","browserName":"Android",  
"platformVersion":"4.4.4","webStorageEnabled":false,"takesScreenshot":true,"javascriptEnabled":true,"databaseEnabled":false,"networkConnectionEnabled":true,  
"locationContextEnabled":false,"warnings":{},"desired":{"automationName":"Appium","platformVersion":"4.2.2",  
"app":"D:\\project\\AppiumFirstTest\\app\\Winky\_default\_1.2.16.apk","deviceName":"Android Emulator","platformName":"Android","appActivity":  
".ui.activity.MainActivity","appPackage":"com.weiboyi.winky"},"automationName":"Appium","app":"D:\\project\\AppiumFirstTest\\app\\Winky\_default\_1.2.16.apk",  
"deviceName":"emulator-5554","platformName":"Android","appActivity":".ui.activity.MainActivity","appPackage":"com.weiboyi.winky"},  
"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== 通知PC端目标应用已经在目标机器启动成功  
  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element {"using":"id","value":"username"}  
> info: [debug] Waiting up to 0ms for condition  
> info: [debug] Pushing command to appium work queue: ["find",{"strategy":"id","selector":"username","context":"","multiple":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"find","params":{"strategy":"id","selector":"username","context":"","multiple":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: find  
> info: [debug] [BOOTSTRAP] [debug] Finding username using ID with the contextId:  multiple: false  
> info: [debug] [BOOTSTRAP] [debug] Using: UiSelector[INSTANCE=0, RESOURCE\_ID=com.weiboyi.winky:id/username]  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":{"ELEMENT":"1"},"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":{"ELEMENT":"1"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element 200 3347.068 ms - 87 {"status":0,"value":{"ELEMENT":"1"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== 定位”用户名“输入框：Bootstrap通过的UIAutomator的UISelector类根据resource-id获得输入框的ID并返回给客户端  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/1/clear {"id":"1"}  
> info: [debug] Pushing command to appium work queue: ["element:clear",{"elementId:1"}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"element:clear","parameter",{"elementId:1"}}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: clear  
> info: [debug] [BOOTSTRAP] [debug] Attempting to clear using UiObject.clearText().  
> info: [debug] [BOOTSTRAP] [debug] Text remains after clearing, but it appears to be hint text.  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":true,"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/1/clear 200 3864.563 ms - 76 {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== BootStrap执行”清空 用户名输入框”命令  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element {"using":"id","value":"username"}  
> info: [debug] Waiting up to 0ms for condition  
> info: [debug] Pushing command to appium work queue: ["find",{"strategy":"id","selector":"username","context":"","multiple":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"find","params":{"strategy":"id","selector":"username","context":"","multiple":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: find  
> info: [debug] [BOOTSTRAP] [debug] Finding username using ID with the contextId:  multiple: false  
> info: [debug] [BOOTSTRAP] [debug] Using: UiSelector[INSTANCE=0, RESOURCE\_ID=com.weiboyi.winky:id/username]  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":{"ELEMENT":"2"},"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":{"ELEMENT":"2"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element 200 635.168 ms - 87 {"status":0,"value":{"ELEMENT":"2"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== 定位”用户名“输入框：Bootstrap通过的UIAutomator的UISelector类根据resource-id获得输入框的ID并返回给客户端  
===== 可以发现“用户名输入框”在上次已经找过一次了，所以这里我们相当于是在同一个测试方法中对同一个控件查找两次。其实这是有点浪费  
  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/2/value {"id":"2","value":["cceshi"]}  
> info: [debug] Pushing command to appium work queue: ["element:setText",{"elemetnId":"2","text":"cceshi","replace":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"element:setText","params":{"elementId":"2","text":"cceshi","replace":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: setText  
> info: [debug] [BOOTSTRAP] [debug] Using element passed in.  
> info: [debug] [BOOTSTRAP] [debug] Attempting to clear using UiObject.clearText().  
> info: [debug] [BOOTSTRAP] [debug] Text remains after clearing, but it appears to be hint text.  
> info: [debug] [BOOTSTRAP] [debug] Text not cleared. Assuming remainder is hint text.  
> info: [debug] [BOOTSTRAP] [debug] Sending plain text to element: cceshi  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":true,"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/2/value 200 7632.310 ms - 76 {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== BootStrap执行”向 用户名输入框 填写cceshi”命令  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element {"using":"id","value":"password"}  
> info: [debug] Waiting up to 0ms for condition  
> info: [debug] Pushing command to appium work queue: ["find",{"strategy":"id","selector":"password","context":"","multiple":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"find","params":{"strategy":"id","selector":"password","context":"","multiple":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: find  
> info: [debug] [BOOTSTRAP] [debug] Finding password using ID with the contextId:  multiple: false  
> info: [debug] [BOOTSTRAP] [debug] Using: UiSelector[INSTANCE=0, RESOURCE\_ID=com.weiboyi.winky:id/password]  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":{"ELEMENT":"3"},"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":{"ELEMENT":"3"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element 200 487.965 ms - 87 {"status":0,"value":{"ELEMENT":"3"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== 定位”密码“输入框：Bootstrap通过的UIAutomator的UISelector类根据resource-id获得输入框的ID并返回给客户端  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/3/clear {"id":"3"}  
> info: [debug] Pushing command to appium work queue: ["element:clear",{"elementId":"3"}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"element:clear","params":{"elementId":"3"}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: clear  
> info: [debug] [BOOTSTRAP] [debug] Attempting to clear using UiObject.clearText().  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":true,"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/3/clear 200 3801.019 ms - 76 {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== BootStrap执行”清空 密码 输入框”命令  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element {"using":"id","value":"password"}  
> info: [debug] Waiting up to 0ms for condition  
> info: [debug] Pushing command to appium work queue: ["find",{"strategy":"id","selector":"password","context":"","multiple":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"find","params":{"strategy":"id","selector":"password","context":"","multiple":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: find  
> info: [debug] [BOOTSTRAP] [debug] Finding password using ID with the contextId:  multiple: false  
> info: [debug] [BOOTSTRAP] [debug] Using: UiSelector[INSTANCE=0, RESOURCE\_ID=com.weiboyi.winky:id/password]  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":{"ELEMENT":"4"},"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":{"ELEMENT":"4"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element 200 290.380 ms - 87 {"status":0,"value":{"ELEMENT":"4"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== 定位”密码“输入框：Bootstrap通过的UIAutomator的UISelector类根据resource-id获得输入框的ID并返回给客户端  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/4/value {"id":"4","value":["weibo2013yic"]}  
> info: [debug] Pushing command to appium work queue: ["element:setText",{"elementId":"4","text":"weibo2013yic","replace":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"element:setText","params":{"elementId":"4","text":"weibo2013yic","replace":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: setText  
> info: [debug] [BOOTSTRAP] [debug] Using element passed in.  
> info: [debug] [BOOTSTRAP] [debug] Attempting to clear using UiObject.clearText().  
> info: [debug] [BOOTSTRAP] [debug] Sending plain text to element: weibo2013yic  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":true,"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/4/value 200 7854.103 ms - 76 {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== BootStrap执行”向 用户名输入框 填写weibo2013yic”命令  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element {"using":"id","value":"user\_sign\_in\_button"}  
> info: [debug] Waiting up to 0ms for condition  
> info: [debug] Pushing command to appium work queue: ["find",{"strategy":"id","selector":"user\_sign\_in\_button","context":"","multiple":false}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"find","params":{"strategy":"id","selector":"user\_sign\_in\_button","context":"","multiple":false}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: find  
> info: [debug] [BOOTSTRAP] [debug] Finding user\_sign\_in\_button using ID with the contextId:  multiple: false  
> info: [debug] [UIAUTOMATOR STDOUT] [APPIUM-UIAUTO] [debug] Using: UiSelector[INSTANCE=0, RESOURCE\_ID=com.weiboyi  
> info: [debug] [UIAUTOMATOR STDOUT].winky:id/user\_sign\_in\_button][/APPIUM-UIAUTO]  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":{"ELEMENT":"5"},"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":{"ELEMENT":"5"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element 200 660.639 ms - 87 {"status":0,"value":{"ELEMENT":"5"},"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
===== 定位”登录“按钮：Bootstrap通过的UIAutomator的UISelector类根据resource-id获得输入框的ID并返回给客户端  
  
> info: --> POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/5/click {"id":"5"}  
> info: [debug] Pushing command to appium work queue: ["element:click",{"elementId":"5"}]  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"action","action":"element:click","params":{"elementId":"5"}}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type ACTION  
> info: [debug] [BOOTSTRAP] [debug] Got command action: click  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":true,"status":0}  
> info: [debug] Responding to client with success: {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- POST /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe/element/5/click 200 962.940 ms - 76 {"status":0,"value":true,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: --> DELETE /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe {}  
> info: Shutting down appium session  
> info: [debug] Pressing the HOME button  
> info: [debug] executing cmd: "D:\Program Files\Android\android-sdk\platform-tools\adb.exe" -s emulator-5554 shell "input keyevent 3"  
===== BootStrap执行”点击登录按钮”命令  
  
  
> info: [debug] Stopping logcat capture  
> info: [debug] Logcat terminated with code null, signal SIGTERM  
> info: [debug] [BOOTSTRAP] [debug] Got data from client: {"cmd":"shutdown"}  
> info: [debug] [BOOTSTRAP] [debug] Got command of type SHUTDOWN  
> info: [debug] [BOOTSTRAP] [debug] Returning result: {"value":"OK, shutting down","status":0}  
===== 关闭logcat  
  
> info: [debug] Sent shutdown command, waiting for UiAutomator to stop...  
> info: [debug] [BOOTSTRAP] [debug] Closed client connection  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: numtests=1  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: stream=.  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: id=UiAutomatorTestRunner  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: test=testRunServer  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: class="io".appium.android.bootstrap.Bootstrap  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: current=1  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS\_CODE: 0  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS: stream=  
> info: [debug] [UIAUTOMATOR STDOUT] Test results for WatcherResultPrinter=.  
> info: [debug] [UIAUTOMATOR STDOUT] Time: 54.578  
> info: [debug] [UIAUTOMATOR STDOUT] OK (1 test)  
> info: [debug] [UIAUTOMATOR STDOUT] INSTRUMENTATION\_STATUS\_CODE: -1  
> info: [debug] UiAutomator shut down normally  
===== 关闭Uiautomator进程  
  
> info: [debug] Cleaning up android objects  
> info: [debug] Cleaning up appium session  
> info: [debug] Responding to client with success: {"status":0,"value":null,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}  
> info: <-- DELETE /wd/hub/session/3c687853-cbb9-4ad4-ac30-00fddbec10fe 200 6850.914 ms - 76 {"status":0,"value":null,"sessionId":"3c687853-cbb9-4ad4-ac30-00fddbec10fe"}