
Testing with Appium Framework

About Me

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(De)Motivation

Pros

Huge time saver on repetitive testing cases

Good safety net for developers

Generally more interesting than manual testing

Cons

Test cases need to be updated by someone

Sometimes, a slight change in the UI might break a lot of tests

If the application is small enough it might not pay out at all

A Little Bit of History

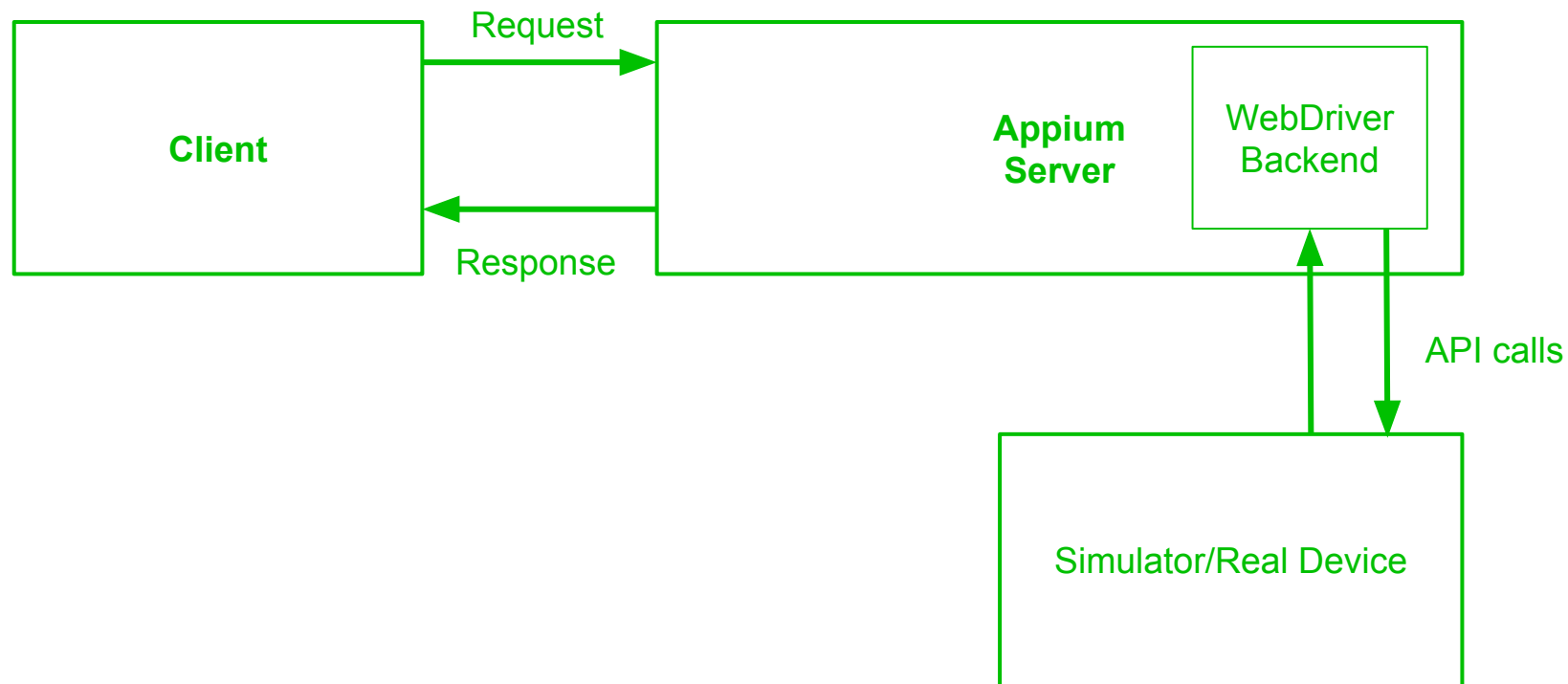
It always starts with a lazy or frustrated programmer.

It wasn't different for Appium.

Appium Philosophy

1. You shouldn't have to recompile your app or modify it in any way in order to automate it.
 2. You shouldn't be locked into a specific language or framework to write and run your tests.
 3. A mobile automation framework shouldn't reinvent the wheel when it comes to automation APIs.
 4. A mobile automation framework should be open source, in spirit and practice as well as in name!
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Appium Architecture

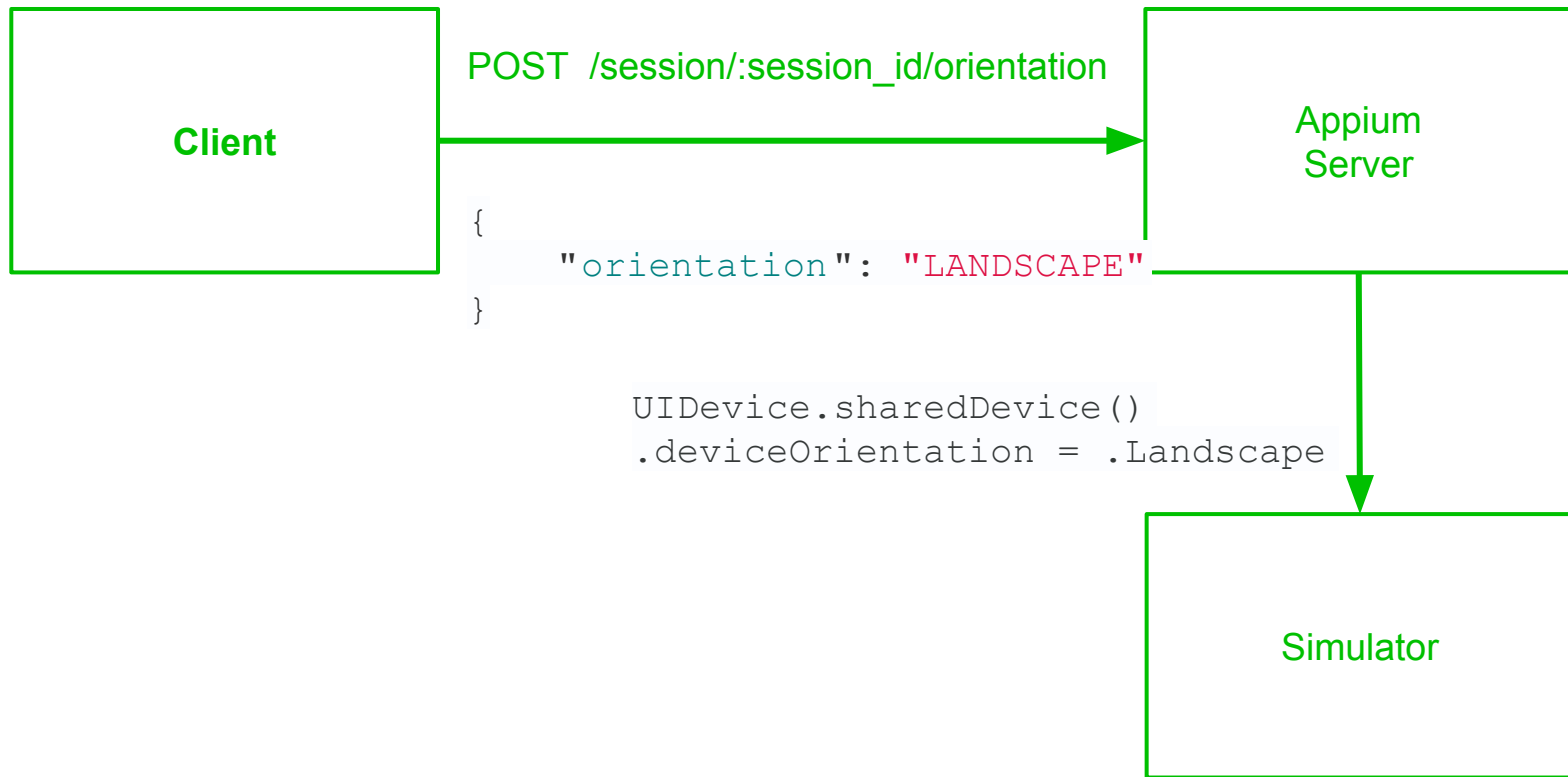


Starting a Session

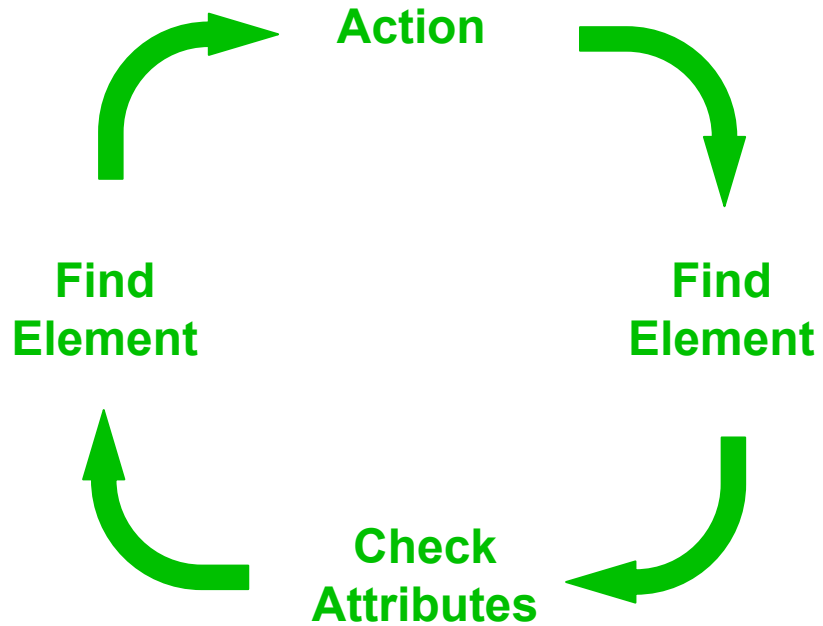


```
{  
  "platformName": "iOS",  
  "platformVersion": "11.0",  
  "deviceName": "iPhone 7",  
  "automationName": "XCUITest",  
  "app": "/path/to/my.app"  
}
```

Sending a Command



Basic Testing Workflow



Searching for Elements

XPath

Element “Class”

Element “Id”

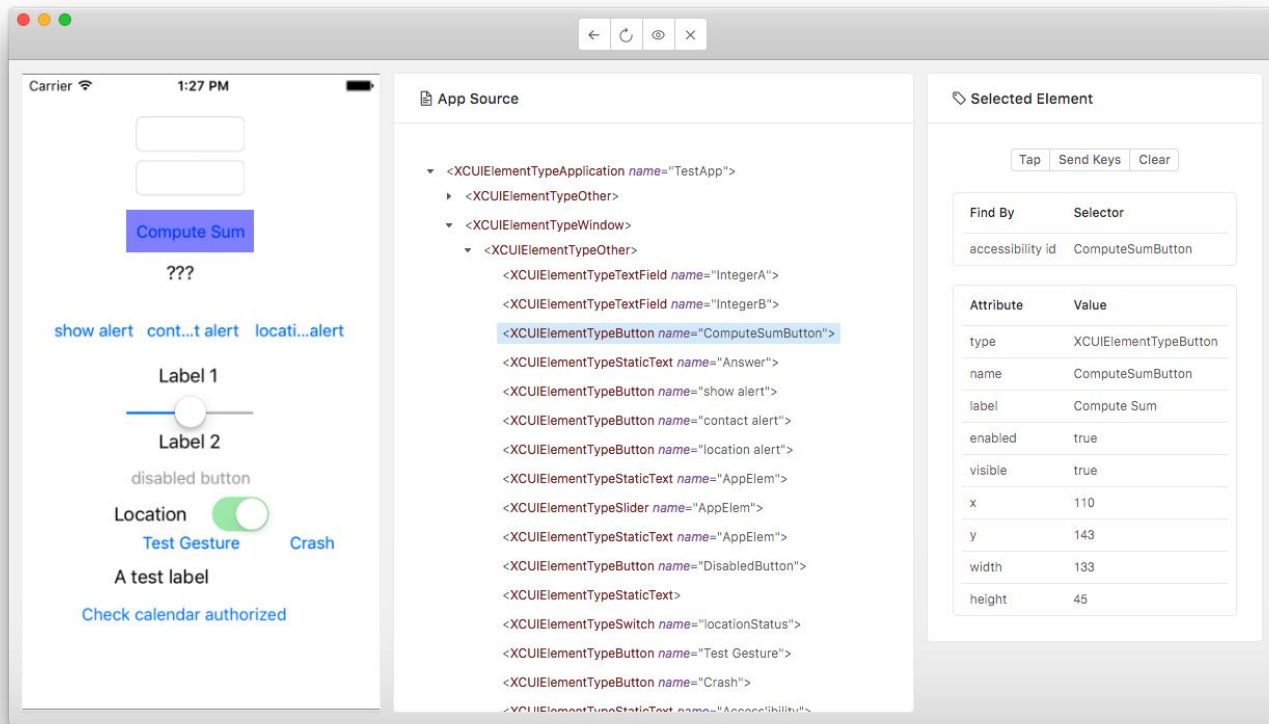
Complex Testing Use-cases

No Internet

Only Cellular Data

Location is Unavailable

Appium Desktop and Appium Inspector



Demo!

Summary

Testing is generally a good thing but always try to reason about using a particular technology or approach.

Multiplatform tests have their drawbacks.

Definitely try it, tinker with it a little and see what's possible for yourself.
