How to do auto tapping on iPhone

1. Set up env of Appium
2. Install Appium 1.15.1 - <https://github.com/appium/appium-desktop/releases/tag/v1.15.1>
3. Follow the Full manual configuration

<http://appium.io/docs/en/drivers/ios-xcuitest-real-devices/#full-manual-configuration>

1. Set up the program
2. Make sure that Robinhood app installed
3. Create a Java project and TapTest java file, put the following in the file

import io.appium.java\_client.TouchAction;  
import io.appium.java\_client.ios.IOSDriver;  
import java.net.MalformedURLException;  
import java.net.URL;  
import java.util.Base64;  
import java.util.concurrent.TimeUnit;  
  
import io.appium.java\_client.touch.offset.PointOption;  
import org.junit.After;  
import org.junit.Before;  
import org.junit.Test;  
import org.openqa.selenium.NoSuchElementException;  
import org.openqa.selenium.remote.DesiredCapabilities;  
  
public class TapTest {  
 private IOSDriver driver;  
  
 @Before  
 public void setUp() throws MalformedURLException {  
 DesiredCapabilities capabilities = new DesiredCapabilities();  
 capabilities.setCapability("platformName", "iOS");  
 capabilities.setCapability("platformVersion", "13.3");  
 capabilities.setCapability("deviceName", "Songtao's iPhone");  
 capabilities.setCapability("udid", "13758e2ca3677a2abf9b349f814e491c057581a7");  
 capabilities.setCapability("bundleId", "com.robinhood.release.Robinhood");  
 capabilities.setCapability("automationName", "XCUITest");  
// capabilities.setCapability("xcodeOrgId", "Songtao Sun (Personal Team)");  
// capabilities.setCapability("xcodeSigningId", "iPhone Developer");  
// capabilities.setCapability("updatedWDABundleId", "abc.def.ghi.jkl.webdriverrunner");  
// capabilities.setCapability("appiumVersion", "1.13.0");  
  
 driver = new IOSDriver<>(new URL("http://localhost:4723/wd/hub"), capabilities);  
 driver.manage().timeouts().implicitlyWait(10, TimeUnit.*SECONDS*);  
 //driver.launchApp();  
 }  
  
 @After  
 public void tearDown() {  
// if (driver != null) {  
// driver.quit();  
// }  
 }  
  
 @Test  
 public void testFindingAnElement() throws InterruptedException {  
 Thread.*sleep*(200);  
 try {  
 if (driver.findElementByAccessibilityId("Cancel").isDisplayed()) {  
 driver.findElementByAccessibilityId("Cancel").click();  
 driver.findElementByAccessibilityId("Log Out").click();  
 }  
 }  
 catch(NoSuchElementException e) {  
  
 }  
 driver.findElementByXPath("//XCUIElementTypeButton[@name=\"robinhood.walkthrough.login\"]").click();  
 driver.findElementByAccessibilityId("robinhood.login.password").click();  
  
 String decodePwdStr = new String(Base64.*getDecoder*().decode("TTU3N0QDTTE5NzgwOTA2"));  
 driver.findElementByAccessibilityId("robinhood.login.password").sendKeys(decodePwdStr);  
 driver.findElementByAccessibilityId("robinhood.login.button").click();  
  
 try {  
  
 if (driver.findElementByName("Not Now").isEnabled()) {  
 driver.findElementByName("Not Now").click();  
 }  
 }  
 catch(NoSuchElementException e) {  
 }  
  
 driver.findElementByAccessibilityId("cash\_management\_tab").click();  
 PointOption po = PointOption.*point*(171,347);  
 for(int i=0;i<10000;i++) {  
 (new TouchAction(driver)).tap(po).perform();  
// Thread.sleep(200);  
// if(driver.findElementByName("OK").isDisplayed()) {  
// driver.findElementByName("OK").click();  
// break;  
// }  
 }  
 }  
}

There is a line above:

String decodePwdStr = new String(Base64.getDecoder().decode("**TTU3N0QDTTE5NzgwOTA2**

"));

* Go to <https://www.base64encode.org/>
* Encoded your Robinhood account’s password
* Replace the bold text above with your encoded password

1. Change values for the attributes below to corresponding ones:

“platformVersion” – Check your iOS version

Make sure you connect device to your mac before doing below

“deviceName” – Get it by “instruments -s devices” command in terminal

“udid” – Check iTunes on mac

1. Launch
2. Connect your iPhone to your mac
3. Start Appium server
4. Start Java program
5. You should see an app is being installed on the phone – WebDriverAgent. After it’s installed, please immediately trust this application in Settings -> General -> Profiles & Device Management before program ends
6. That’s it. Enjoy auto-tap.