Appium

Software Testing Project – Final Report

DEC 2019

Submitted to
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### Submitted by
February team

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What is Appium?

Appium is an open source automation tool for running scripts and testing native applications, mobile-web applications and hybrid applications on Android or iOS
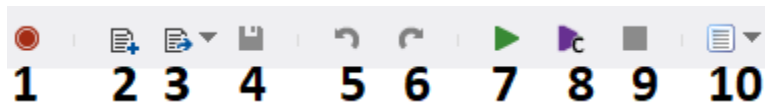
How Tool Works

Appium is an open source automation tool for running scripts and testing native applications, mobile-web applications and hybrid applications on Android or iOS

Test Area
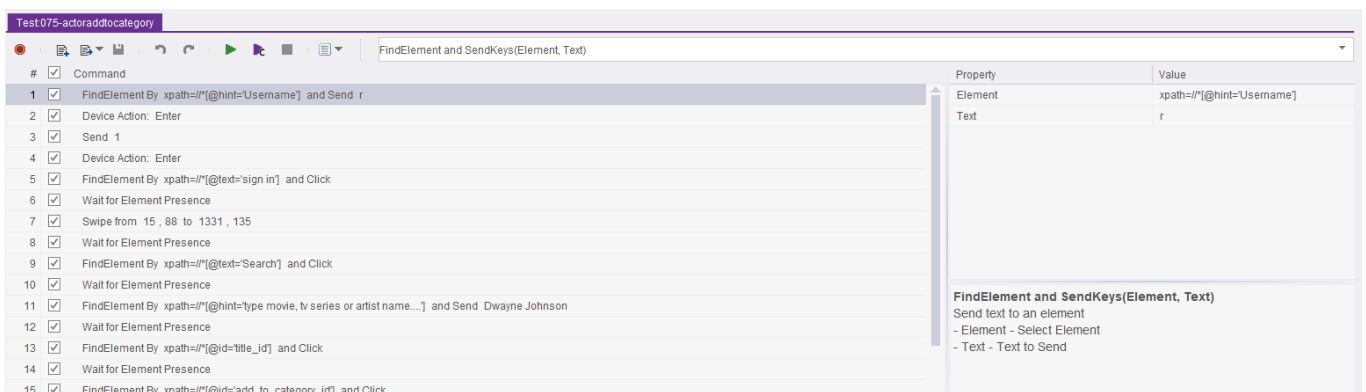
Test Tool

[1] Record: start recording test.

[2] New test: add new Test.

[3] Previous Tests: see your last 7 tests.

[4] Save: save current Test.

[5] Undo.

[6] Redo.

[7] Continue: start test from current state of the program.

[8] Start from the beginning: run the test from the beginning of the program.

[9] Stop: stop test.

[10] Test report.

Command Section

#	☑	Command
1	☑	FindElement By xpath=//*[@hint='Username'] and Send r
2	☑	Device Action: Enter
3	☑	Send 1
4	☑	Device Action: Enter
5	☑	FindElement By xpath=//*[@text='sign in'] and Click

[1] Find element in the view (textview) with a hint of "username and write in that "r".

[2] Click enter on the app.

[3] Send "1" in the next field.

[4] Click enter on the app.

[5] Find element in the view (button) with a text of "sign in" and click on it.

Property/Value Section

Property	Value
Element	xpath=//*[@text='Movita']
Timeout	30000

WaitForElementPresence(Element, Timeout)
Wait for an element to appear in a specified zone
- Element - Select Element to Wait For
- Timeout - Waiting Timeout in MiliSec

- Each command has a property or more and a value to it.

- xpath => this is a unique identifier of a view that we want to get inside the current layout.

Log/Code Area

The place where you could see the commends as a code in different programming languages and you also see the running process log of a test script.

Code section

C

```java
    driver = new AndroidDriver<>(new URL("http://localhost:4723/wd/hub"), dc);
    driver.setLogLevel(Level.INFO);
}

@Test
public void test_075_actoraddtocategory() {
    driver.findElement(By.xpath("//*[@hint='Username']")).sendKeys("r");
    driver.executeScript("seetest:client.deviceAction(\"Enter\")");
    driver.getKeyboard().sendKeys("l");
    driver.executeScript("seetest:client.deviceAction(\"Enter\")");
    driver.findElement(By.xpath("//*[@text='sign in']")).click();
    new WebDriverWait(driver, 30).until(ExpectedConditions.presenceOfElementLocated(By.xpath("//*[@text='Movita']")));
    driver.swipe(15, 88, 1331, 135, 1981);
    new WebDriverWait(driver, 30).until(ExpectedConditions.presenceOfElementLocated(By.xpath("//*[@text='Search']")));
    driver.findElement(By.xpath("//*[@text='Search']")).click();
    new WebDriverWait(driver, 30).until(ExpectedConditions.presenceOfElementLocated(By.xpath("//*[@text='Search']")));
    driver.findElement(By.xpath("//*[@hint='type movie, tv series or artist name....']")).sendKeys("Dwayne Johnson");
    new WebDriverWait(driver, 30).until(ExpectedConditions.presenceOfElementLocated(By.xpath("//*[@text='Dwayne Johnson']")));
    driver.findElement(By.xpath("//*[@id='title_id']")).click();
    new WebDriverWait(driver, 30).until(ExpectedConditions.presenceOfElementLocated(By.xpath("//*[@text='Dwayne Johnson']")));
    driver.findElement(By.xpath("//*[@id='add_to_category_id']")).click();
    new WebDriverWait(driver, 3).until(ExpectedConditions.presenceOfElementLocated(By.xpath("//*[@text='choose the lists to add']")));
    driver.findElement(By.xpath("//*[@text='set']")).click();
```

- Here is where you convert the commands you have put on the IDE to your wanted Programming Language.

- You can convert to many languages (Ruby, Python, Junit, TestNG, C#).

Log section

- You can see here all the process of the test script.

Devices Area

[1] Open device: reflect the screen of your device.

[2] Add new Device: add new mobile to the device area.

[3] Delete a Device: remove a device from the device area.

[4] Edit a device setting: change the resolution and quality of the streaming.

[5] Get a mobile from the cloud: this feature has been stopped.

Application Area
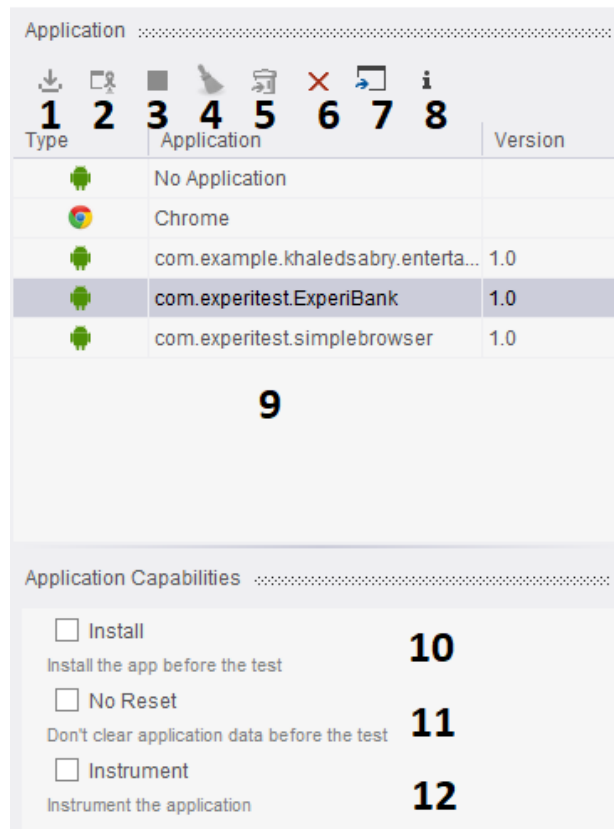
[1] Install the app on Appium.

[2] Launch the app on the device.

[3] Close the App.

[4] Clear the Data of the app on the device.

[5] Uninstall the App.

[6] Delete the App.

[7] Import the app to Appium.

[8] Info about the App.

[9] Apps installed on Appium.

[10] Install: install the app before the test

[11] No Reset: don't clear application data before the test

[12] Instrument: instrument the application

Tests Report Summary

Test Result By Time Period

Total Test Result
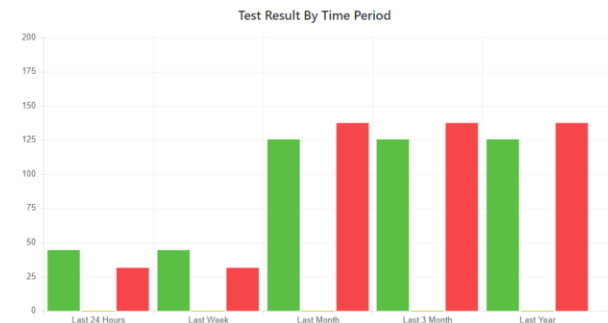
ransactions_summary.csv

Test Reports						
						Search

#	Name	Status	Run Started	Duration	Failed Step	Error Message
1	061-tvseasondownload	✔ Passed	Fri, 13 Dec 2019 00:28:12	29.608 Seconds		

Test Execution Summary

061-tvseasondownload

Test Execution Summary ☰	
1 Start test 061-tvseasondownload	✅
2 Set device to: adb:Lenovo TAB S8-50LC	✅
3 Launch native activity / URL com.exampl...	✅
4 Set property android.native.nonInstrume...	✅
5 Send text r to element NATIVE:xpath=//*...	✅
6 Device Action: Enter	✅
7 Send text '1'	✅
8 Device Action: Enter	✅
9 Click 'xpath=//*[@text='sign in']' in zone...	✅
10 Wait for 'xpath=//*[@text='Movita']' in ...	✅
11 Drag from: X1: 15, Y1: 88, to X2: 1331, Y...	✅
12 Wait for 'xpath=//*[@text='Search']' in ...	✅
13 Click 'xpath=//*[@text='Search']' in zon...	✅
14 Wait for 'xpath=//*[@text='Search']' in ...	✅

Test Execution Summary

✔ Passed

Execution Information

Time Zone	Eastern European Time
Run Started	Fri, 13 Dec 2019 00:28:12
Total Time	00:00:29.608
Project Path	C:\Users\KhALeD SaBrY\workspace\appium-project
User	KhALeD SaBrY
Machine Name	KhALeD

Device Information (Lenovo TAB S8-50LC)

Name	Lenovo TAB S8-50LC
OS	Android
Model	Lenovo TAB S8-50LC
Manufacturer	LENOVO
Version	5.0.1
Screen Size	
S/N	BaytrailA010AD37

Sample Tests

This is just a small sample of the tests we have made; we have created (**82**) test script covering most of the app functionalities.

Test Name	Objective	State	Comment	Made By
signinwrongpassword	Check if you wrote a wrong password will it enter.	PASS	-	Khaled
signupduplicateusername	Sign up with duplicate username in db.	PASS	-	Khaled
signupageempty	Sign up with age is empty.	PASS	-	Khaled
forgetPassowrd	Check if you can restore your password when you forgot it.	FAIL	Can't enter to forgot password layout.	Khaled
editlisttitle	Check if it edits the list name and update the view.	FAIL	Doesn't update the title automatically.	Khaled
tvnews	Check if you can see tv news.	PASS	-	Khaled
topgeneres	Check if you can see top genres imdbtop250.	PASS	-	Khaled
boxoffice	Check if you can see box office or not.	FAIL	Can't see any movie in the view.	Khaled
checkreviewsTopCritics	Check if movie reviews of Too Critics appear.	PASS	-	Emad
similarmovies	Check if there appear a similar movie to the Movie.	PASS	-	Emad
moviedownload	Check if you can download a movie.	PASS	-	Emad
movieyoutubetrailer	Check if you can watch a trailer for a movie	PASS	-	Emad
movieaddtofavourite	Check if you can add a movie to favorite.	FAIL	Couldn't add the movie to favorite msg.	Emad
tvseasons	Check if you season appear to a tv series.	PASS	-	Roba
tvepisodedownload	Check if you can download an episode.	PASS	-	Roba
tvepisodeyoutube	Check if you can watch trailer of an episode on YouTube.	PASS	-	Roba
tvrecommendations	Check if you can see recommendations for a tv series.	PASS	-	Roba
tvaddtowatchlater	Check if you can add a tv to watch later.	FAIL	No msg appears.	Khaled

actorworks	Check if you can see actor works in movies and tv series	Pass	-	Esraa
actormovieselection	Check if you can enter from a movie in actor to the movie page	Pass	-	Esraa
actoraddtocategory	Check if add to category view appears or not	Pass	-	Esraa

Work Load

Name	Email	Activities
Essra Mamdouh	Esraa.ali9798@gmail.com	Actor Tests.
Khaled Sabry	Khaledsab1997@gmail.com	Sign IN\Up, Categories and rest functionalities.
Roba Gamal	eng.robagamal@gmail.com	Tv series Tests.
Mohamed Emad	me24116@gmail.com	Movie Tests.

ABOUT CD

[1] Test scripts in "test_scripts" folder.

[2] Final report with name "Elective-2-Group February-Report.pdf" in main directory.

[3] Presentation Slides with name "Elective-2-Group February-Presentation.pptx" in main directory.

[4] Presentation Slides with name "Elective-2-Group February-Presentation.pdf" in main directory.