Appium
"Studio"

Presented By: February team

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What is it ?!

- <u>Appium</u>
  - An open source test automation framework for use with native, hybrid and mobile web apps.
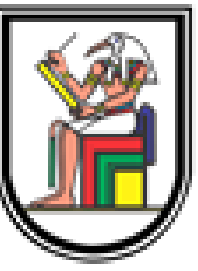 - It's GUI Testing tool.

- <u>Appium Studio</u>
  - An IDE created by Experitest, designed for mobile test automation development and execution, It's a Wrapper for Appium.

This talk

- How Tool Works ?

- Tool Components

- Test Reports

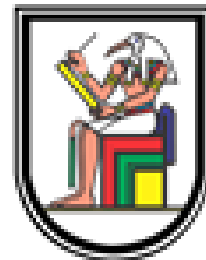- Running Test Script

How Tool Works

Record ➜ Edit ➜ Execute ➜ Report

Tool Components

- Test Area
    - Test Tool
    - Command Section
    - Property/Value section

- Log/Code Area
    - Code Section
    - Log Section

- Devices Area

- Application Area

Test Area

- Test Tool

1   2   3   4   5   6   7   8   9   10

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 <u>current state of the program.</u>
8. **Start from the beginning**: <u>run the test from the beginning</u> of the program.
9. **Stop**: stop test.
10. **Test Report**.

Test Area

- Command Section

    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.

#	☑	Command
1	☑	FindElement By xpath=//*[@hint='Username'] and Send r
2	☑	Device Action: Enter
3	☑	Send 1
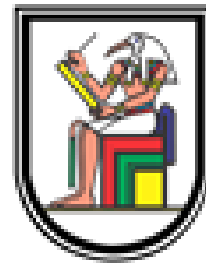
Test Area

- Property/Value Section
  - 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.

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

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Log/Code Area

- The place where you could see the commands as a code in different programming languages and you also see the running process log of a test script.
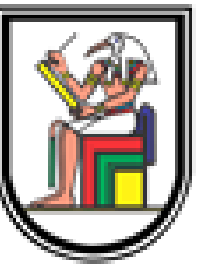
Log/Code Area

- Code Section


```
Log  Code

Java (JUnit 5 + Appium Client 4)  ▼    📋

    dc.setCapability(MobileCapabilityType.UDID,  "");
    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']")));
```
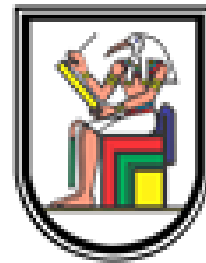
Log/Code Area

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

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Devices Area

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.

Tool Components

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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

Application		
1 **2** **3** **4** **5** **6** **7** **8**		
Type	Application	Version
🤖	No Application	
🔴	Chrome	
🤖	com.example.khaledsabry.enterta...	1.0
🤖	com.experitest.ExperiBank	1.0
🤖	com.experitest.simplebrowser	1.0

9

Application Capabilities

☐ Install
Install the app before the test **10**

☐ No Reset
Don't clear application data before the test **11**

☐ Instrument
Instrument the application **12**

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Test Reports

- Tests Report Summary
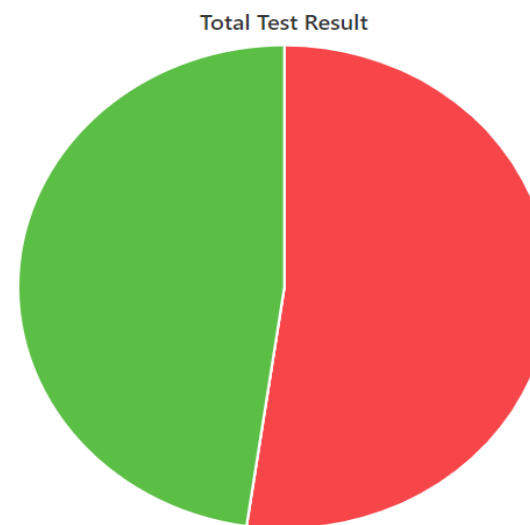
Test Reports

- Test Execution Summary

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Running Test Script

Any Questions ?