Mobile testing:

Mobile testing is the process by which **mobile apps are tested for functionality, usability, and consistency**. Mobile testing can be done manually or with automation.

Mobile Operating systems:

Andriod, iOS (iphone OS), BlackBerry

Appium:

APPIUM is a freely distributed open source mobile application UI[Testing](https://www.guru99.com/software-testing.html)framework. Appium allows native, hybrid and web application testing and supports automation test on physical devices as well as an emulator or simulator both. It offers cross-platform application testing, i.e. single API works for both Android and iOS platform test scripts.

It has **NO** dependency on Mobile device OS. Because APPIUM has framework or wrapper that translate[Selenium](https://www.guru99.com/selenium-tutorial.html)Webdriver commands into UIAutomation (iOS) or UIAutomator (Android) commands depending on the device type, not any OS type.

[Appium Tutorial 1: Appium for Mobile App Testing | Introduction to Mobile Testing and Appium - YouTube](https://www.youtube.com/watch?v=yTW7hZZfTYo)

Installation of Appium:

<http://appium.io/>

[How to Download And Install Appium Desktop - YouTube](https://www.youtube.com/watch?v=y-fK4yPnaew)

How to work with Appium + Selenium:

[Automate Mobile application using Appium Selenium - YouTube](https://www.youtube.com/watch?v=sd0Cy1VYWzU)

Appium Inspectors:

[Appium Beginner Tutorial 8 | How to use Appium Desktop Inspector to find Object Locators - YouTube](https://www.youtube.com/watch?v=P2lM4NY4CTU)

Pop ups, notifications, windows and frames:

[Appium Tutorial 24 : Handling Alerts/Popups in iOS App - YouTube](https://www.youtube.com/watch?v=AF1nOPvH9f4)

Synchronization and waits, scrolling:

[Lecture 22 - Synchronization in Appium | Explicit wait using Webdriverwait - YouTube](https://www.youtube.com/watch?v=AuRnjsaGZyY)

[Scroll using Appium into a list view till element found | TouchAction - YouTube](https://www.youtube.com/watch?v=sUl1Hw5Lkhc)