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appium™

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appium ™

✔ Introduction to Mobile Testing

Differences between web and mobile testing

▶ Types of mobile applications (native, hybrid, web)
▶ Mobile testing challenges

✔ Introduction to Appium

Getting Started with Appium

▶ What is Appium?
▶ Why Appium?
▶ Supported Operating systems
▶ Appium architecture and components
▶ Setting up Appium on
▶ different platforms (Windows)

Setting Up the Environment

▶ Installing Java, Android Studio
▶ Configuring Appium with Android
▶ Setting up Emulators

✔ Appium Basics

Appium Inspector and Desired Capabilities

▶ Using Appium Inspector for locating elements
▶ Configuring desired capabilities for Android

Writing First Test Script

▶ Introduction to Appium clients
  (Java, Python, C#, etc.)
▶ Writing and running a simple test script
▶ Understanding Appium commands

✔ Appium Concepts

Element Locators and Interaction

- ▶ Locating elements (ID, XPath, Class Name, etc.)
- ▶ Performing actions (click, send keys, swipe, etc.)
- ▶ Handling different UI elements
  (buttons, text elds, lists, etc.)

Mobile Gestures

- ▶ Performing mobile gestures
  (Tap, Swipe, Scroll, Pinch, Zoom)
- ꙫ Multi-touch Actions

✔ Test Automation Frameworks

Integrating Appium with TestNG

- ▶ Setting up TestNG with Appium
- ▶ Writing test cases and test suites
- ▶ Generating test reports

Page Object Model (POM)

- ▶ Implementing POM in Appium
- ▶ Creating reusable page objects
- ▶ Enhancing test
- ▶ maintainability and readability

✔ Continuous Integration (CI)
Continuous Deployment (CD)

Integrating Appium with CI Tools

- ▶ Setting up any CI tool (Jenkins) for continuous integration
- ▶ Configuring Appium tests
- ▶ to run in CI pipelines

Version Control with Git

- ▶ Using Git for version control
- ▶ Integrating Git with CI tools
- ▶ Best Practices and Tips

✓ Best Practices and Tips

Best Practices for Mobile Automation

▶ Writing maintainable and scalable test scripts
▶ Debugging common issues in Appium tests
▶ Enhancing test performance
▶ Efficiently handling app
▶ installation and permissions

✓ Projects

Hands-on Projects

▶ Working on real-world projects to gain practical experience
▶ Building a robust test suite for a mobile application project
▶ Preparation for Interviews

Mock Interviews and Resume Preparation

▶ Conducting mock interviews
▶ Preparing an impressive resume
▶ highlighting relevant skills and experience

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