

Appium

Mode of Training: Online, Classroom, Corporate

Faculty: Mr. MADHU

Course Duration: 15 Days

Course Curriculum



Introduction to Mobile Automation

- What is Mobile application testing?
- Introduction to Mobile Automation Testing
 - Mobile automation tools

Introduction to Appium

- Why Appium?
- Introduction to Appium
- Difference between Appium & Selendroid
- Understanding Native, Web and Hybrid APPs
- Architecture of Appium

Appium Installation and Configuration on Windows

- Installing JDK
- Installing the New SDK Tool Kit for Android
- Installing different API versions
- Download Appium
- Download eclipse
- Downloading the necessary JAR files
- Setting up an Eclipse Java project
- Starting Appium Server
- Connecting real device to USB and running ADB commands
- Understanding Desired Capabilities class
- Running your first Appium Program on Real devices
- Installing Android Emulators
- Running your first Appium Program on Emulator

Finding elements for Android web-based apps

- Opening browser on a Real Android Device
- Inspect element on a Web App
- Inspect connected device on Chrome
- Locating Elements on a Chrome browser
- Finding Elements by ID, Name, Class Name, Link Text, Partial Link Text, XPath, CSS, Tag Name

Web App Testing on Chrome Browser

- Handling HTML Elements such as: Text box, Hyperlinks, Submit buttons, Radio buttons, Check boxes, Dropdown etc.
- Synchronization
- Handling JavaScript Alerts
- Handling Frames
- Handling Auto complete
- Printing all links



Finding elements for Android native apps

- Finding Elements with UI automaton reviewer
- Taking the Device screenshot
- Understanding the different locator tags
- Understanding the UI Selector Class
- Finding Elements by Class Name
- Finding Elements by ids
- Finding Elements by X paths

Testing Android Native Apps on Windows

- Making a call with internal dialer application - Real Device
- Adding a new contact to the phone book - Real Device
- Sending SMS from a real device
- Working with Calculator
- Capturing screenshots
- Capturing screenshots on failure

Touch Actions and Events - Handling user gestures

- Drag and Drop
- Android Key Events
- Tapping an Element on a Real Device
- Swipe - Searching Phonebook Contacts
- Handling alerts, spinners (dropdowns), the switch button, and the slide seek Bar

Testing Android Hybrid Apps

- Finding elements for hybrid apps
- Automating hybrid apps
- Switching to Web View / Native View through context

Appium Installation and Configuration on MAC

- Installing Java & configuring environment variables
- Installing Eclipse IDE for MAC
- Downloading Appium and Selenium Jars
- Android SDK Configuration
- Steps to get the Apple Developer id

- Install X code
- Creating simulator

Testing Native / Hybrid Apps on IOS

- Deploying the app using X code
- Running the Appium inspector
- Inspecting elements with appium inspector
- Generating X paths with the help of inspector
- Handling elements
- Record and Play test
- Handling Alerts on a Native App
- Handling Date Wheel pickers

Testing IOS Web App on Safari browser

- Finding elements for iOS web-based apps
- User agent to get Safari Browser objects
- Safari Browser on Real IOS Device
- Configuring the Safari Launcher app to support testing on Real device

Test NG Framework

- How to Install Test NG plug-in in Eclipse
- Testing sample script
- Writing Selenium testing script from scratch
- Testing for parallel execution
- Creating Test suites using Testing
- Reports generation using Testing
- Running test suite on parameterized test cases
- Re-run failed test cases

Web: www.qualitythought.in **Email:** info@qualitythought
Help : +91 9515151992, +91 9963799240, +91 7730997544

- Running Testing suites from command prompt

Appium Mobile Grid

- Introduction to Appium Grid
- Executing Test Parallel on two Real Devices

Project Details

- **Application overview**
 - Project Name
 - Project Description
 - Tools used in the project
 - Roles and Responsibilities
- **Automation process**
 - Automation life cycle
 - Identify test cases what to be automated
 - Authoring the scripts
 - Executing the scripts
 - Analyze the reports

Appium Interview Questions

Supporting Enterprises around the Globe



Our Other Courses

DevOps & Cloud Computing

- [AWS Admin Training](#)
- [Devops Training](#)
- [Azure Admin Training](#)

Artificial Intelligence & IOT

- [Artificial Intelligence Training](#)
- [IOT Training](#)

Big data

- [Hadoop Development Training](#)
- [Spark And Scala Training](#)

Data Science & Blockchain

- [Data Science Training](#)
- [Blockchain Training](#)

QA and Testing

- [Manual Testing](#)
- [Big data Testing Training](#)
- [Selenium Training](#)
- [Appium Training](#)
- [Web services Testing Training](#)
- [Security Testing Training](#)
- [Performance Testing Training](#)
- [TOSCA Training](#)
- [ETL Testing Training](#)

RPA and Automation

- [Automation Anywhere Training](#)
- [Blueprism Training](#)
- [UiPath Training](#)

Programming & Framework

- Core Python
- [Advanced Python Training](#)
- [Django Training](#)
- [C,C++Programming Training](#)

Others courses

- [Digital Marketing Training](#)
- [Spoken English Training](#)
- [Chat Bot Making Training](#)
- [BI Reporting Tools Training](#)
- Sail point IIQ

Established in 2010

QualityThought[®]

The Leader in Software Training



www.qualitythought.in

+91 996 379 9240

info@qualitythought.in