**UI Automator** is a **UI testing framework** suitable for cross-app functional UI testing across system and installed apps. [It allows you to interact with visible elements on a device, regardless of which Activity is in focus, enabling operations such as opening the Settings menu or the app launcher in a test device1](https://developer.android.com/training/testing/other-components/ui-automator).

Here are **five free reference links** where you can learn more about UI Automator:

1. [**Android Developers - Write Automated Tests with UI Automator**](https://developer.android.com/training/testing/other-components/ui-automator): This official Android Developers guide provides detailed information on using UI Automator for testing Android apps[1](https://developer.android.com/training/testing/other-components/ui-automator).
2. [**UiPath RPA Academy**](https://www.uipath.com/rpa/academy): While not specific to Android, UiPath offers free courses on Robotic Process Automation (RPA), including relevant concepts and tools[2](https://www.uipath.com/rpa/academy).
3. [**The Definitive Guide of Android UI Automator with Kotlin**](https://proandroiddev.com/the-definitive-guide-of-android-ui-automator-with-kotlin-2eab40edab0d): This guide dives into UI Automator with Kotlin, covering practical examples and best practices[3](https://proandroiddev.com/the-definitive-guide-of-android-ui-automator-with-kotlin-2eab40edab0d).
4. [**BrowserStack - Android App Automation using UIAutomator**](https://www.browserstack.com/guide/android-app-automation-using-uiautomator): Learn how to use UIAutomator framework in Appium with examples[4](https://www.browserstack.com/guide/android-app-automation-using-uiautomator).

Remember that UI Automator is particularly useful for cross-app UI testing, and it’s essential to understand its APIs and capabilities to create robust automated tests. Happy learning! 🚀