

For this demo we can use the open source application for Wikipedia. Below is a link to repo, which also contains a pre-compiled alpha version of the app. You can use the existing APK to avoid having to build/compile yourself.

Github Repo: <https://github.com/wikimedia/apps-android-wikipedia/releases>

Alpha APK: <https://github.com/wikimedia/apps-android-wikipedia/releases/tag/latest>

For this demo you should execute the test cases below and also include steps on how to run your tests.

Make use of Appium, the Wikipedia Android app, and a Javascript framework of your choice.

Test Cases to Automate

TEST CASE 1

When the Wikipedia app first launches an introduction screen will be displayed. The screen will have a few options at the bottom such as "SKIP", dots that control navigation for the view, and "CONTINUE". You will verify elements on a page and ensure the correct text is displayed.

Steps

1. Launch the app
2. **Assert** that the "SKIP" and "CONTINUE" options are displayed
3. **Assert** that the first screen displays "The Free Encyclopedia ...in over 300 languages"
4. Move to the second screen and **assert** that it displays the text "New ways to explore"
5. Click "SKIP"
6. **Assert** that the main screen is displayed and at the top the "Wikipedia" title is displayed

TEST CASE 2

Search for multiple keywords and ensure clicking on the results loads the expected page.

Steps

1. Click in the search box and search for "Louis Vuitton"
2. A drop down of result will be displayed
3. **Assert** the result includes "Louis Vuitton" and the description "France-based international fashion house and luxury retail company" is visible
4. Click on the "Louis Vuitton" result
5. Ensure that the next screen loads and also displays "Louis Vuitton" along with the description "France-based international fashion house and luxury retail company"
6. Click the back button and click "X" to clear the results.

7. Search for "Hermés"
8. **Assert** that a result is displayed for "Hermés"
9. Click on the first result. Note, the correct result will not have a description but it should be for the French luxury goods manufacturer.
10. Scroll to the "History" section and assert the title below it: "Beginnings in the 19th century"

TEST CASE 3

This test depends on the searches from the previous test. You will use the menu displayed at the bottom to view the search history.

Steps

1. Click on the "Search" from the bottom menu.
2. You will see a title "History" along with a date and some search terms.
3. **Assert** that the list contains "Louis Vuitton" and "Hermés"
4. **Assert** that the total number of results is 2
5. Click the trash can icon to clear the history
6. A modal will be displayed. Select "YES" to confirm you want to clear the history
7. **Assert** that search terms are not displayed in the history screen