**Scenario1: Jessica wants to review the sampling history with sign in. (We assume Jessica has resisted before.)**

1. Click get started button, show welcome screen.
2. Click Sign in button, display sign Screen.
3. Insert username and password, click sign in button and show home screen.
4. Check two buttons (take new sample and view sample) and title of home screen.
5. Click view sample button and show sampling history screen.
6. Search river by name ‘ST’, click search icon and searched river should be displayed.
7. Click one of the displayed rivers, show river list screen and click list item show sampling history details screen.

**Report:**

[emulator-5554 Android 11 #0-1] Session ID: f75dcad9-a1cd-4ca7-be5a-7cf0ff8f571d

[emulator-5554 Android 11 #0-1]

[emulator-5554 Android 11 #0-1] Testing splash landing page

[emulator-5554 Android 11 #0-1] ✓ should display splash Container

[emulator-5554 Android 11 #0-1] ✓ should display sign Screen Container after clicking splash Touchable Opacity Button

[emulator-5554 Android 11 #0-1]

[emulator-5554 Android 11 #0-1] Testing Sign in activity

[emulator-5554 Android 11 #0-1] ✓ should successful on signing in and show home Screen

[emulator-5554 Android 11 #0-1]

[emulator-5554 Android 11 #0-1] Testing user sampling history with filters

[emulator-5554 Android 11 #0-1] ✓ should have two buttons on home screen 1.take new sample button, 2.view sample

[emulator-5554 Android 11 #0-1] ✓ should show sampling history screen after click view sample button

[emulator-5554 Android 11 #0-1] ✓ should filter by River Name such as ST

[emulator-5554 Android 11 #0-1] ✓ should show selected sample id

[emulator-5554 Android 11 #0-1]

[emulator-5554 Android 11 #0-1] 7 passing (21.2s)

**Scenario2: Jessica wants to take a new sample; we assume Jessica has signed in successfully.**

1. Check two button (take new sample and view sample) and title of home screen.
2. Click take new sample button and show search river screen.
3. Check locate text input test is empty.
4. Click located button, accept location permission.
5. Check text input value should be location.
6. Click search icon, show searched river details screen.
7. Click choose button and show river details screen.
8. Check 3 tabs (Details, Arduino, Insects), and default screen is details screen.
9. Click Arduino tab, show Arduino screen.
10. Insert Arduino id.
11. Click search Icon and waiting for connation searched Arduino device, then display Connected Arduino screen.
12. Check sensors data: Temperature, PH.
13. Click Insect tab, show insect screen.
14. Click select insect button and display select insect screen
15. Check insects groups view.
16. Add amount to first insect item, and press done button, insects screen should displays selected insects and amount.
17. Click analysis button and check if three options popping out(take photo, choose form library, and cancel)

**Report**

[emulator-5554 Android 11 #0-0] Session ID: 94d63ad6-48f9-49ad-a891-cc63a348a9d4

[emulator-5554 Android 11 #0-0]

[emulator-5554 Android 11 #0-0] Testing user Landing page

[emulator-5554 Android 11 #0-0] ✓ should have two buttons on home screen 1.take new sample button, 2.view sample

[emulator-5554 Android 11 #0-0] ✓ should show search river screen container after clicking take new sample button

[emulator-5554 Android 11 #0-0]

[emulator-5554 Android 11 #0-0] Testing search river screen

[emulator-5554 Android 11 #0-0] ✓ should show empty locate text input before locate icon is clicked

[emulator-5554 Android 11 #0-0] ✓ should show locate text after locate icon is clicked

[emulator-5554 Android 11 #0-0] ✓ should click a button and show river detail screen

[emulator-5554 Android 11 #0-0]

[emulator-5554 Android 11 #0-0] Testing tabs with screens

[emulator-5554 Android 11 #0-0] ✓ should display 3 tabs and default river details screen after click choose button

[emulator-5554 Android 11 #0-0] ✓ should display arduino screen after clicking Arduino tab,

[emulator-5554 Android 11 #0-0] ✓ should show Insert Arduino id

[emulator-5554 Android 11 #0-0] ✓ should show Arduino connect screen after press search icon button

[emulator-5554 Android 11 #0-0] ✓ should show sensors data

[emulator-5554 Android 11 #0-0] ✓ should show insect screen after press insect tab

[emulator-5554 Android 11 #0-0] ✓ should show display choose insects screen

[emulator-5554 Android 11 #0-0] ✓ should display insects groups

[emulator-5554 Android 11 #0-0] ✓ should display selected insect items

[emulator-5554 Android 11 #0-0] ✓ should pop out three options(take photo, choose form library, and cancel

[emulator-5554 Android 11 #0-0]

[emulator-5554 Android 11 #0-0] 15 passing (52s)