QA Automation Task: Nomo Fintech



Introduction

Dears, Hope you all doing well.

Pleasures to provide this document as part of my task its explains every step that I made for finish your automation task.

Tools

Framework: Appium, Browserstack

Platform: Android, IOS

Tested Device:

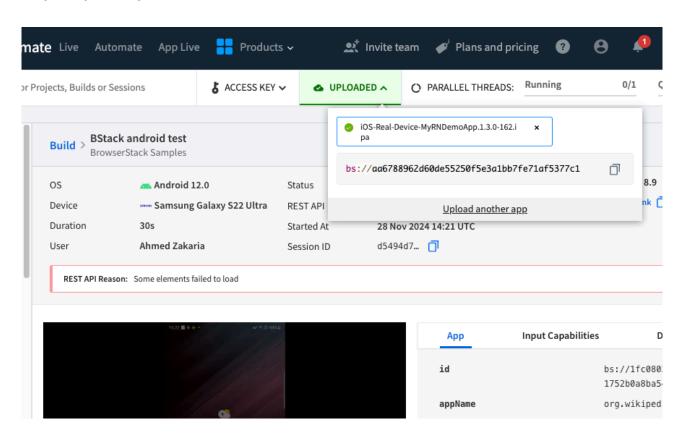
- Android:

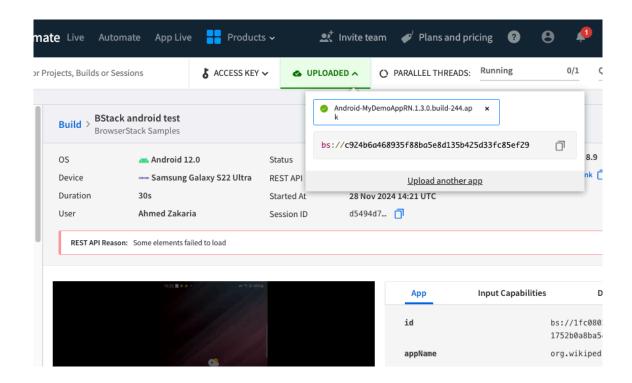
Samsung Galaxy S22 Ultra | Android 12.0

- IOS

iPhone 14 Pro | IOS 16

Step 1: Upload Apk, IPA Then retrieve bsID

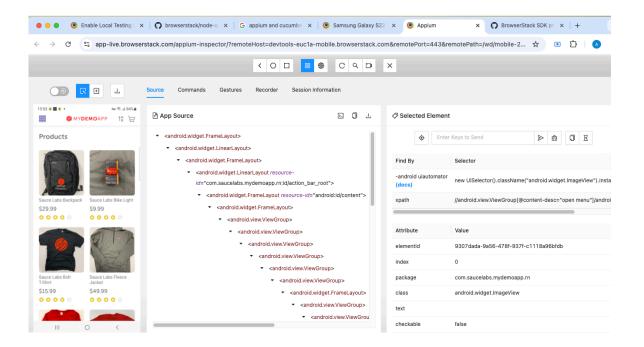




Step 2:

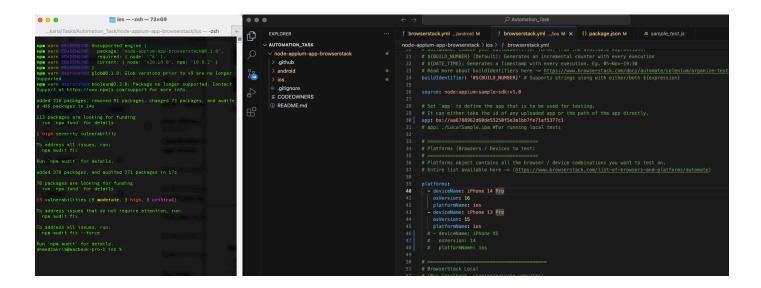
Check required flow and get xpaths

I used live mode testing for two apps (app,ipa) and I retrieved xPaths via Appium inspector



Step 3: Clone SDK, and install node packages

- git clone https://github.com/browserstack/node-appium-app-browserstack
- cd android
- npm l
- cd ..
- cd los
- npm I



Step 4: Create pages dir, then create loginPage.js that will hold all locators for android app, also same file will be created at IOS dir but with different values for xPaths

```
∠ Automation_Task

                                                                                     ! browserstack.vml .../android M
 EXPLORER
                                                                                                                                                  ! browserstack.vml .../ios M
                                                                                                                                                                                                         JS loginPage.is U X {} package.ison M
                                                          ច្ច១១
V AUTOMATION_TASK
                                                                                      node-appium-app-browserstack > android > pages > J5 loginPage,js > [@] loginPageLocators > \int 9 'passwordMissingLabel'
 v node-appium-app-browserstack
   > .github
                                                                                                  const loginPageLocators =

✓ android

                                                                                                           'menuButton':'//android.view.ViewGroup[@content-desc="open menu"]/android.widget.ImageView',
                                                                                                          'menuButton': //android.view.ViewGroup!@content-desc="open menu"://android.view.ViewGroup!@content-desc="menu item log in"]',
'userNameField': '//android.widget.EditText[@content-desc="Username input field"]',
'passwordField': '//android.widget.EditText[@content-desc="Password input field"]',
'loginButton': //android.view.ViewGroup[@content-desc="Cagin button"]',
'notMatchLabel': '//android.widget.TextView[@text="Provided credentials do not match any user in this ser
'userNameMissinglabel': '//android.widget.TextView[@text="Username is required"]',
'nasswordMissinglabel': '//android.widget.TextView[@text="Username is required"]',
'nasswordMissinglabel': '//android.widget.TextView[@text="Username is required"]',
      JS loginPage.js
     ! browserstack.yml
                                                                                                          'passwordMissingLabel':'//android.widget.TextView[@text="Password is required"]',
'lockedAccountLabel':'//android.widget.TextView[@text="Sorry, this user has been locked out."]'
    {} package-lock.json
   {} package.ison
                                                                                                   function getLocator(locator)

    ₩ikipediaSample.apk

                                                                                                           return loginPageLocators[locator];
  > ios
  gitignore
   ≡ CODEOWNERS
                                                                                                   module.exports = {getLocator};
  (i) README.md
```

Step 5: Create testData.json at test dir, that will hold all required test data also I add a new value related to message assertion.

```
! browserstack.yml .../android M ! browserstack.yml .../ios M
       EXPLORER
                                                                                                                   {} testData.json U X {} package.json M
Ð
     V AUTOMATION TASK
                                      ច្ចេះដ្
                                                    ∨ node-appium-app-browserstack
        > .github
                                                                    "username": "alice@example.com",
                                                                  "username": diltegerammitercom ,

"password": "10203040",

"assertionMessage":"Sorry, this user has been locked out."
        android
"username": "1@2.com",
         JS loginPage.js
                                                                  "password": "f-o-
                                                                  "assertionMessage": "Provided credentials do not match any user in this service."
         JS loginPage_Tests.js
                                                                  "NO_USER_DETAILS": {
         {} testData.json
                                                                  "username": ""
"password": ""
         ! browserstack.yml
                                                                   "assertionMessage":"Username is required"
         },
"NO_PASSWORD": {
        {} package-lock.json
                                                                  "username": "bob@example.com",
"password": "",
        {} package.json

    ₩ikipediaSample.apk

                                                                  "assertionMessage":"Password is required"
        gitignore
                                                                   "username": "bob@example.com",
"password": "10203040"
        ≡ CODEOWNERS
       ③ README.md
```

Step 5: Write test cases at loginPage_Tests.js

```
EXPLORER
                                                                ! browserstack.yml .../android M
                                                                                                       ! browserstack.yml .../ios M
                                                                                                                                            JS loginPage_Tests.js U X {} package.json M
                                             다리이리
     V AUTOMATION_TASK
                                                                {\tt node-appium-app-browserstack} > {\tt android} > {\tt test} > ~ {\tt JS} ~ {\tt loginPage\_Tests.js} > ...
                                                                   1 // This file responisble for execute test case:
2 // Feature: Login Page
3 // Type: Acceptance
        > .github
14
                                                                       var assert = require('assert');
var {Builder, By, until} = require('selenium-webdriver');
                                                                       var loginPageAssets = require('../pages/loginPage');
var testData = require('./testData.json');

→ pages

          JS loginPage.is

✓ test

                                                                        var buildDriver = function() {
          JS loginPage_Tests.js
                                                                             return new Builder()
.usingServer('http://127.0.0.1:4723/wd/hub')
          {} testData.ison
                                                                                .build();
         / browserstack.vml
         16 > async function invalidCredintails() --
         {} package-lock.json
         {} package.json
                                                                59 > async function lockedCredintails() --
100 }
        gitignore
                                                                102 > async function emptyFields() ---
         ■ CODEOWNERS
        ① README.md
                                                                 149 > async function validCredintails() -
                                                                        lockedCredintails();
                                                                       emptyFields();
validCredintails();
                                                                193
```

Step 6: Run and output

To run android tests:

- cd android
- npm run android-test

To run iOS tests:

- cd ios
- npm run ios-test

Android Report: <u>link</u>
los Report: <u>link</u>

