QUSTODIO KID'S APP ONBOARDING PROCESS - AUTOMATION TEST PLAN

OVERVIEW

This test plan covers end to end automation testing for Kid's app onboarding process in android for all markets.

SCOPE OF AUTOMATION

IN-SCOPE

1. Platforms –
   a) Android
2. Users –
   a) Kid's app
3. Markets –
   a) NA
   b) EU
   c) FE
4. Testing Types –
   a) UI testing
   b) End-to-end testing
5. Features –
   a) Get Started Page (first time users only)
   b) Login Page (Existing users)
   c) 'Protect this Device' flow with Kid's app -
      i. Device Name page
      ii. Who uses this device page (add your child's name and age)
      iii. Give following permissions to Qustodio through settings in the device -
         - Accessibility
         - Usage tracking
         - Notification access
         - App Display (screen time limit restriction)
         - Run Qustodio in background
         - Activate device admin
         - VPN and CA certificate

OUT-OF-SCOPE

1. Platforms –
   - iOS
   - MacOS
   - Windows
2. Users –
   - Parent's app

3. Testing Types –
    - API Integration testing
    - Non-functional testing (load, stress and chaos)

TEST STRATEGY

DEVICE COVERAGE

- Based on the monthly top OS usage report below is the table with OS coverage per market for this project testing.

OS Version	Marketplace
Android 13	US, UK, DE, CA
Android 12	US, UK, JP, DE, CA
Android 11	US, UK, JP, CA
Android 10	JP, DE

- QA will update the test runs (both manual in Test Rail and test scripts in automation test package) to run tests on these devices.
- Check and update Saucelabs device farm if these devices are not already available.

TESTING RESOURCES
- Appium – This is the automation framework we will use for Android UI functional testing.
- Python – We will be doing the Appium setup and writing the test scripts in Python
- Pytest – We will use pytest as test framework
- Device Farm – We will be using Saucelabs device farm for devices
- Test Data – We will be storing test data in a config file inside the project
- Test Environment – The tests will be run on both dev and prod environments
- Test Management – We will use Test Rail for creating and maintaining test suites
- Defect Management – We will use Jira for bug creation and tracking

AUTOMATION STRATEGY
- Test Coverage – We will use Test Rail to mark tests as automatable or not. We aim to automate 100% of automatable test cases before release.
- CI/CD – The tests will be onboarded to release pipelines so testing can be performed on latest release build before rolling it out to production
- Test Maintenance plan – The tests will be monitored in the pipeline by the QAs and any test which fails continuously for 5 times without any real bug in the app will be disabled and re-work will be done to make those tests stable.

TEST CASES

Feature 1 - Get Started Page (first time users only)

S.no.	Test Case Description	Expected Result	Actual Result	Automatable
1.	Verify that when user enters valid full name, email and password and clicks Get started button then the user account is created	User lands on welcome page with a button 'Protect this device'		Yes
2.	Verify that when user onboards Qustodio Kid's app by allowing all permissions then the flow works properly	User lands on All set page with Finish button		Yes
3.	Verify that when user tries to enter 4th device on a user account, they get limit reached alert	User gets an alert asking to remove an existing device or upgrade plan		Yes
4.	Verify that when user refuses to enable accessibility on a device they get a warning alert informing the user to activate accessibility	User gets an alert explaining Qustodio cannot protect the device without accessibility permission		Yes
5.	Verify that user can uninstall the app using the pop-up in allow accessibility section	User gets an alert to allow uninstall of the app		Yes
6.	Verify that when user denies notification access then onboarding process doesn't continue	User stays in Notification access toggle page		Yes

| 7. | Verify that when user refuses permissions to access device location then there is a message informing user to give that access from settings in order to complete protecting the device | User lands on 'Oops! You need to allow permissions' page with a Settings button | | No |