Test Plan: Complete Wallet Creation Flow for Trust Wallet Android App

Objective:

To ensure that the complete wallet creation flow for Trust Wallet App works as expected and that a user can successfully create a new wallet and access it.

Test Scope:

This test plan covers the complete wallet creation flow for Trust Wallet App, including the following steps:

1. Downloading and installing the app
2. Creating a new wallet
3. Backing up the wallet secret phrase
4. Accessing the newly created wallet

Out of Scope:

We will not be covering the testing of the app in iOS devices

Test Environment / Test Bed:

The test will be conducted on the following environment:

- Android OS version 6.0 or higher
- Android OS version less than 6.0
- Latest version of Trust Wallet Android App installed
- Internet connection
- Emulators , AVDs & Real Devices

Test Design:

- High Level Test Scenarios:

Module name	JIRA Story ID	Scenario ID	Test Case ID	Test Sceanrios	Classification
Install App and Navigate the Intro Slides	TW-101	SC001	TC_001	Verify that the user is able to successfully **install** the APK on an Android device which has OS 6.0 or more	Positive
		SC002		Verify that the user is **NOT** able to successfully install the APK on an Android device which has lesser OS than 6.0	Negative
		SC003	TC_002	Verify that the user is able to properly with all the icon and buttons even if the user has set the phone on **Dark Mode**	Positive
		SC004		Verify that the user is able to properly with all the icon and buttons when the user **turns off the Dark Mode**	Positive
		SC005		Verify that the user lands on the **first of four slides** when the user open the app for the first time	Positive
		SC006		Verify that the user is able to **navigate to and fro** in all the four slides screen and is able to see the respective images and text as per shown in Figma	Positive
		SC007		Verify that the user is able to see **two buttons** "CREATE A NEW WALLET" and "I already have a wallet" on all the four slider screens	Positive
Create a New wallet Flow	TW-102	SC008	TC_003	Verify that the user is able to **click** on the "CREATE A NEW WALLET" button and is **navigated Legal Screen where Privacy Policy & Terms of service buttons along with consent checkbox is displayed**	Positive
		SC009		Verify that the user is redirected to the **create passcode screen after agreeing** to the privacy policy and Terms of service in the Legal Screen and clicks Continue	Positive
		SC010		Verify that the user is able to **click on the buttons 0 to 9** and set a six digit passcode	Positive
		SC011		Verify that the user is able to click on the **back button** and remove the digits entered	Positive
		SC012		Verify that the user is **redirected the confirm passcode** screen after entering 6 digits in the create passcode screen	Positive
		SC013		Verify that the user is successfully navigated **to the next screen only after confirming the same passcode** in the confirm passcode screen which was set previously in the create passcode screen	Positive
		SC014		Verify that the user is **NOT** successfully navigated to the next screen **if he enters a different passcode** in the confirm passcode screen and is displayed an error that **"Those passwords didn't match!"** and **redirected back to create passcode screen**	Negative
		SC015		Verify that after confirming the passcode the user is redirected to **Secret Phrase Back-up** option screen along with two options 1. Back up to Google Drive & 2. Back up Manually	Positive
		SC016		Verify that the user is able to **click on both the options** successfully and taken to the respective pages as per the Figma provided	Positive
		SC017		Verify that the user is **directed to "Back-up your wallet now!"** screen after selecting manually option along with the text and images and 3 checkboxes as per the Figma	Positive
		SC018		Verify that the **continue** button stays disabled till the user checks all the 3 required checkboxes	Positive
		SC019		Verify that the user is redirected to **"Your Secret Phase" screen** after clicking on the continue button where a **unique 12 word secret phrase is generated for each user** along with **numbers to each words** and **Copy and Continue buttons**	Positive
		SC020		Verify that when the user clicks on the **Copy button** in the "Your Secret Phase" screen the 12 word secret phrase is **copied to the clipboard** of the device	Positive
		SC021		Veriify that when the user clicks on the **Continue button** in the "Your Secret Phase" screen is redirected to the Verify Secret Phrase screen along with the **same 12 words but in jumbled order and a disabled "Done" button**	Positive
		SC022		Verify that the user is **required to select the 12 words in the same order** as shown in the "Your Secret Phase" screen to get the **"Done" button enabled** and move to the next flow	Positive
		SC023		Verify that if the selects a word in the **wrong sequence** the he is displayed an error message **"Invalid order. Try again!"**	Negative

- Test cases with detailed steps for the above identified scenarios are present in the excel sheet upload to the Github repository.
  Link:
  https://github.com/Paarthiswaran/TrustWallet/blob/8f567a55e5c93d857c10c86dcf88647d24f6cafc/Test%20Design%20Document%20-%20Scenarios%20+%20Test%20Cases%20with%20Steps%20-%20Trust%20Wallet%20Creation%20Flow.xlsx

Test Data:

For this test, the following data will be required:

- The Figma design document to compare and ensure that the screens do match with the design finalized by the UX team

Test Execution:

The test will be executed using manual testing techniques at first and then an Automation Script using Appium with Java will be written to achieve the same results. The steps outlined in the Test Cases section will be followed in order to complete the test.

Devices the test will be performed in:

The test will be performed in the below mentioned devices

- One Real device with Android OS 6.0 or above
- One Real device with Android OS below 6.0
- One AVD provided by Android Studio
- One 3rd Party emulator – example : BlueStacks

Test Completion Criteria:

The test will be considered successful if the following criteria are met:

- The Trust Wallet Android App opens without any errors
- The user is able to confirm the secret phrase and access the newly created wallet
- The user is able to access the wallet only after entering the passcode

Test Reporting:

Any issues or bugs encountered during testing will be logged and reported to the development team. A final test report will be generated after the completion of testing.