

## QA Test cases

### NeoSapien Technologies

#### Test Cases

##### 1. Login via Google Sign-In

- **Test Name:** Valid Google Sign-In
  - **Steps:**
    1. Launch the app.
    2. Click on "Sign in with Google."
    3. Enter valid Google credentials.
    4. Complete the sign-in.
  - **Expected Result:** User is successfully authenticated and taken to the onboarding screen.
- **Test Name:** Invalid Google Sign-In
  - **Steps:**
    1. Launch the app.
    2. Click on "Sign in with Google."
    3. Enter invalid credentials.
  - **Expected Result:** Error message displayed: "Invalid credentials. Please try again."
- **Test Name:** Cancel Google Sign-In
  - **Steps:**
    1. Launch the app.
    2. Click on "Sign in with Google."
    3. Cancel the sign-in process.
  - **Expected Result:** User is returned to the login screen without authentication.

##### 2. Login via Apple Sign-In

- **Test Name:** Valid Apple Sign-In
  - **Steps:**
    1. Launch the app.
    2. Click on "Sign in with Apple."
    3. Enter valid Apple ID credentials.
    4. Complete the sign-in.

- **Expected Result:** User is successfully authenticated and taken to the onboarding screen.
- **Test Name:** Invalid Apple Sign-In
  - **Steps:**
    1. Launch the app.
    2. Click on "Sign in with Apple."
    3. Enter invalid credentials.
  - **Expected Result:** Error message displayed: "Invalid credentials. Please try again."
- **Test Name:** Cancel Apple Sign-In
  - **Steps:**
    1. Launch the app.
    2. Click on "Sign in with Apple."
    3. Cancel the sign-in process.
  - **Expected Result:** User is returned to the login screen without authentication.

### 3. Onboarding Flow

- **Test Name:** Successful Wearable Pairing
  - **Steps:**
    1. After login, proceed to the onboarding flow.
    2. Enable Bluetooth on the phone.
    3. Search for the wearable device.
    4. Pair successfully.
  - **Expected Result:** User is taken to the home screen.
- **Test Name:** Bluetooth Disabled
  - **Steps:**
    1. After login, proceed to the onboarding flow.
    2. Keep Bluetooth disabled.
  - **Expected Result:** Error message displayed: "Please enable Bluetooth to continue."
- **Test Name:** Wearable Not Found
  - **Steps:**
    1. After login, proceed to the onboarding flow.

- 2. Enable Bluetooth on the phone.
  - 3. Search for the wearable device (no device nearby).
- **Expected Result:** Error message displayed: "No wearable device found. Please try again."
- **Test Name:** Pairing Timeout
  - **Steps:**
    1. After login, proceed to the onboarding flow.
    2. Start the pairing process.
    3. Simulate a timeout.
  - **Expected Result:** Error message displayed: "Pairing timed out. Please try again."

#### 4. Navigation to Home Screen

- **Test Name:** Navigation After Successful Pairing
  - **Steps:**
    1. Complete the onboarding process.
    2. Successfully pair the wearable device.
  - **Expected Result:** User is directed to the home screen.
- **Test Name:** Skip Onboarding (if applicable)
  - **Steps:**
    1. After login, skip the onboarding process (if the option exists).
  - **Expected Result:** User is directly taken to the home screen.

#### Edge Cases and Error Scenarios

##### Login

- Google or Apple services are down.
  - **Expected Result:** Error message displayed: "Sign-in service is temporarily unavailable. Please try again later."
- User tries to sign in with an unsupported method (e.g., entering credentials manually).
  - **Expected Result:** Error message displayed: "Please use Google or Apple sign-in to proceed."

##### Onboarding

- Phone Bluetooth is malfunctioning.

- **Expected Result:** Error message displayed: "Unable to access Bluetooth. Please check your settings."
- Multiple devices are detected during pairing.
  - **Expected Result:** Prompt user to select the correct wearable from a list.
- User aborts the onboarding process mid-way.
  - **Expected Result:** Return to the previous screen with no progress saved.

## General

- App crashes during any step.
  - **Expected Result:** User is informed of the crash, and the app logs the issue for debugging.

## Notes

- Ensure robust testing on both Android and iOS platforms.
- Validate Bluetooth permissions and error handling for edge cases (e.g., permissions revoked mid-process).
- Simulate low-battery scenarios on both the phone and wearable to test pairing resilience.