Fire Alert Scanner

Test Case Specification (TCS)

Version <1.0>

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[Note: Documents described in this section are based on the IEEE 829 standard on testing documentation. Note that we omitted certain sections and documents (e.g., the Test Item Transmittal Report) for the sake of simplicity. Refer to the standard for a complete description of these documents [IEEE Std. 829-2008].]

Revision History

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Test Case Specification (TCS)

# Test case specification identifier

[The Test Case Specification identifier is the name of the test case, used to distinguish it from other test cases. Conventions such as naming the test cases from the features or the component being tested allow developers to more easily refer to test cases.]

This test case shall be referred to as Authenticate User Test, indicating that it covers the functionality of the Authenticate User use case.

# Test items

[This section lists the components under test and the features being exercised.]

* Login with username that does not exist (test prompt to user)
* Login with incorrect username/password combination (test prompt to user)
* Login without password
* Login with correct credentials (test sign-in process)

# Input specifications

[This section lists the inputs required for the test cases.]

1. Attempt login with username not contained within the mobile device’s “UserAccounts.txt” (password is irrelevant)
2. Attempt login with username field empty (password is irrelevant).
3. Attempt login with password field empty (username is irrelevant).
4. Attempt login with username contained within UserAccounts.txt, but with an incorrect password
5. Attempt login with username contained within UserAccounts.txt and its correct password

# Output specifications

[This section lists the expected output. This output is computed manually or with a competing system (such as a legacy system being replaced).]

1.1 Prompt is displayed indicating that the user account does not exist.

2.1 Prompt is displayed indicating that the username field is required to have a value.

3.1 Prompt is displayed indicating that the password field is required to have a value.

4.1 Prompt is displayed indicating that the password field’s value is incorrect for the given account.

5.1 Sign-in is successful, and the user proceeds to the MainDataEntry activity.

# Environmental needs

[This section lists the hardware and software platform needed to execute the test, including any test drivers or stubs.]

The device must have a file called UserAccounts.txt in the private internal storage with sample user accounts, stored in the format “*hashedUsername:***:***hashedPassword***,***hashedUsername2*” etc.

# Special procedural requirements

[This section lists any constraints needed to execute the test such as timing, load, or operator intervention.]

N/A

# Intercase dependencies

[This section lists the dependencies with other test cases.]

N/A