Integration/system tests

This test aims to test the compliance of the system with its specified requirements and the integration of its individual modules.

Error reporting

For error reporting using buttons 1 through 8 we have chosen to describe a general test case. This is because the eight different test cases under this section are very similar, and only differs slightly in String content and number of AlertDialog-prompts. Describing all possible scenarios in text would result in an unnecessarily long documentation and not really add any clarity to the testing process.

ID: 01
Description: Report an error using buttons 1 through 8.
Precondition: Be in the main view.

Steps:
Variation 1
1. Press the error symbol, or related text, corresponding to the error you want to report.
2. Choose the appropriate information to further specify chosen error in the pop-up window(s) (AlertDialog). Press "OK" if prompted to do so.
3. Verify that the error reporting was done correctly in the confirmation view.
4. Return to the main screen through the centered button.

Variation 2
1. Press the error symbol, and related text, corresponding to the error you want to report.
2. Press "Cancel" on the pop-up window (AlertDialog).
3. Press another error symbol, or related text, corresponding to the error you want to report.
4. Choose the appropriate information to further specify chosen error in the pop-up window(s) (AlertDialog). Press "OK" if prompted to do so.
5. Verify that the error reporting was done correctly in the confirmation view.
6. Return to the main screen through the centered button.

Expected result
Variation 1
1. The pop-up window appears, showing information corresponding to the error pressed.
2. The confirmation view appears, with the related information corresponding to the error pressed displayed under the green tick.
3. The correct information is presented.
4. You are brought back to the main view.

Variation 2
1. The pop-up window appears, showing information corresponding to the error pressed.
2. The pop-up window disappears.
3. The pop-up window appears, showing information corresponding to the error pressed.
4. The confirmation view appears, with the related information corresponding to the error pressed displayed under the green tick.
5. The correct information is presented.
6. You are brought back to the main view.

For Skype, Gmail and Other error we have chosen to write more detailed test cases. This is because they are unique (there exists only one button for each process or the process differs drastically from the other buttons) and therefore no similarities between several test cases exist as in error reporting.

Skype

ID: 02
Description: Report an error using the Call button.
Precondition: Be in the main view.

Steps:
Variation 1
1. Press the call symbol in the grid view.
2. Press Call in the pop-up window (AlertDialog).
3. Terminate the Skype call using Skype's red hang up button.

Variation 2
1. Press the call symbol in the grid view.
2. Press Call in the pop-up window (AlertDialog).
3. Terminate the Skype call using the device's back functionality.

Variation 3
1. Press the call symbol in the grid view.
2. Press Cancel in the pop-up window (AlertDialog).
3. Press the call symbol in the grid view.
4. Press Call in the pop-up window (AlertDialog).
5. Terminate the Skype call using Skype's red hang up button.

Expected results
Variation 1
1. The related pop-up window (AlertDialog) appears.
2. Skype launches and initiates a call to traffic management.
3. The call is terminated and you are brought back to the main view.

Variation 2
1. The related pop-up window (AlertDialog) appears.
2. Skype launches and initiates a call to traffic management.
3. The call is terminated and you are brought back to the main view.

Variation 3
1. The related pop-up window (AlertDialog) appears.
2. The pop-up window (AlertDialog) disappears.
3. The related pop-up window (AlertDialog) appears.
4. Skype launches and initiates a call to traffic management.
5. The call is terminated and you are brought back to the main view.

ID: 03
Description: Send the error report through the Gmail button.
Precondition: Be in the confirmation view, with a previously completed error selection and specification.

Steps:
Variation 1
1. Press the Gmail symbol.
2. Choose Gmail in the list of available e-mail clients.
3. Verify that the composed e-mail has the correct receiver and the correct error report information in the content.
4. Return to the main screen using the device's back functionality.

Variation 2
1. Press the Gmail symbol.
2. Return to the main screen using the device's back functionality.
3. Press the error symbol, and related text, corresponding to the error you want to report.
4. Choose the appropriate information to further specify chosen error in the pop-up window(s) (AlertDialog). Press "OK" if prompted to do so.
5. Press the Gmail symbol.
6. Choose Gmail in the list of available e-mail clients.
7. Verify that the composed e-mail has the correct receiver and the correct error report information in the content.
8. Return to the main screen using the device's back functionality.

Expected results
Variation 1
1. A list of avaliable e-mail clients appears.
2. The Gmail app launches.
3. The composed e-mail has the correct receiver and the correct error report information in the content.
4. You are brought back to the main view.

Variation 2
1. A list of avaliable e-mail clients appears.
2. You are brought back to the main view.
3. The pop-up window appears, showing information corresponding to the error pressed.
4. The confirmation view appears, with the related information corresponding to the error pressed displayed under the green tick.
5. A list of avaliable e-mail clients appears.
6. The Gmail app launches.
7. The composed e-mail has the correct receiver and the correct error report information in the content.
8. You are brought back to the main view.

ID: 04
Description: Report an error using the Other button.
Precondition: Be on the main view.

Steps:
Variation 1
1. Press the Other symbol in the grid view.
2. Input error message through keyboard in the pop-up window (AlertDialog).
3. Press "OK".
4. Verify that the error reporting was done correctly in the confirmation view.
5. Return to the main screen through the centered button.

Variation 2
1. Press the Other symbol in the grid view.
2. Press cancel on the pop-up window (AlertDialog).
3. Press the Other symbol in the grid view.
4. Input error message through keyboard in the pop-up window (AlertDialog).
5. Press "OK".
6. Verify that the error reporting was done correctly in the confirmation view.
7. Return to the main screen through the centered button.

Expected results
Variation 1
1. The pop-up window appears, showing information corresponding to the error pressed.
2. The error message written is displayed in the pop-up window (AlertDialog).
3. The confirmation view appears, with the related information corresponding to the error pressed showing.
4. The correct information is presented.
5. You are brought back to the main view.

Variation 2
1. The pop-up window appears, showing information corresponding to the error pressed.
2. The pop-up window disappears.
3. The pop-up window appears, showing information corresponding to the error pressed.
4. The error message written is displayed in the pop-up window (AlertDialog).
5. The confirmation view appears, with the related information corresponding to the error pressed showing.
6. The correct information is presented.
7. You are brought back to the main view.