TEAM 2

Software Verification and Validation Report

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Contents

Reference Documents

1. PUSS154212 - System Requirements Specification v1.2

2. Programvaruutveckling för Stora System - Projekthandledning v2.2
   (*Institutionen för datavetenskap*, Lunds Univeritet 2015)

3. PUSS154213 - Software Verification and Validation Specification v1.4

4. PUSS154253 - Test Matrices for SVVS v1.1

5. PUSS154215 - Software Verification and Validation Instruction v1.4

1 Known bugs

1.1 Backend

1.2 Other

2 Functional tests

Here are all the test protocols collected

2.1 MyDevices View

Tests performed 151005

Testcase	Pass/No Pass	Comment
A.1.1	Pass	
A.1.2	Pass	
A.1.3	No Pass	The list is not scrollable with the available devices
A.1.4	Pass	
A.1.5	Pass	
A.1.6	Pass	
A.1.7	No Pass	Wrong name of sensor
A.1.8	Pass	
A.1.9	Pass	
A.1.10	Pass	
A.1.11	Pass	
A.1.12		Postponed

Tests performed 151008

Testcase	Pass/No Pass	Comment
A.1.1	Pass	
A.1.2	Pass	
A.1.3	Pass	
A.1.4	Pass	
A.1.5	Pass	
A.1.6	Pass	
A.1.7	Pass	
A.1.8	Pass	
A.1.9	Pass	
A.1.10	Pass	
A.1.11	Pass	

2.2 Sensor View

Tests performed 151005

Testcase	Pass/No Pass	Comment
A.2.1	Pass	
A.2.2	Pass	
A.2.3	No Pass	The status light of the sensor is off (postcondition 2)
A.2.4	Pass	
A.2.5	Pass	
A.2.6	Pass	
A.2.7	Pass	
A.2.8	No Pass	Even without internet connection the app displays a value (postcondition 1)
A.2.9	No Pass	(postcondition 1)
A.2.10	Pass	
A.2.11	Pass	
A.2.12	No Pass	In landscape mode: fail on instructions 3,4 and 5 (items not visible).

Tests performed 151008

Testcase	Pass/No Pass	Comment
A.2.1	Pass	
A.2.2	Pass	
A.2.3	No Pass	Status lamp does not correspond to the device status.
A.2.4	Pass	
A.2.5	Pass	
A.2.6	Pass	
A.2.7	Pass	
A.2.8	No Pass	Wrong error message.
A.2.9	No Pass	Status lamp does not correspond to the device status.
A.2.10	Pass	
A.2.11	Pass	
A.2.12	Pass	
A.2.13	No Pass	Wrong error message.

2.3 Light Bulb View

Tests performed 151005

Testcase	Pass/No Pass	Comment
A.3.1	Pass	
A.3.2	Pass	
A.3.3	Pass	
A.3.4	No Pass	It is not possible to input capital letters (postcondition 2)
A.3.5	Pass	
A.3.6	Pass	
A.3.7	No Pass	Fail on configuration 1,2,3,4,5
A.3.8	No Pass	Capital letters not recognized, fail on all configurations
A.3.9	Pass	
A.3.10	Pass	
A.3.11	No Pass	No error message
A.3.12	Pass	
A.3.13	Pass	
A.3.14	No Pass	In landscape mode: fail on instructions 3,4 and 5 (items not visible).

Tests performed 150108

Testcase	Pass/No Pass	Comment
A.3.1	Pass	
A.3.2	Pass	
A.3.3	Pass	
A.3.4	Pass	
A.3.5	Pass	
A.3.6	Pass	
A.3.7	No Pass	Fail on configuration 6
A.3.8	Pass	
A.3.9	Pass	
A.3.10	Pass	
A.3.11	Pass	
A.3.12	Pass	
A.3.13	Pass	
A.3.14	Pass	

3 System tests

3.1 Tests for use cases

Tests performed 150505

Testcase	Pass/No Pass	Comment
B.1.1	Pass	
B.1.2	No Pass	Fail on postconditions 1,2.
B.1.3	Pass	
B.1.4	Pass	
B.1.5	Pass	
B.1.6	Pass	
B.1.7	Pass	
B.1.8	Pass	
B.1.9	No Pass	Impossible to determine the status of the sensor device.
B.1.10	No Pass	Impossible to determine the status of the sensor device.
B.1.11	Pass	
B.1.12	Pass	
B.1.13	No Pass	Wrong error message.
B.1.14	Pass	
B.1.15	Pass	
B.1.16	Pass	
B.1.17	Pass	
B.1.18	Pass	
B.1.19	No Pass	Fail on postcondition 1.
B.1.20	No Pass	Fail on postcondition 1.
B.1.21	Pass	
B.1.22	Pass	
B.1.23	Pass	
B.1.24	Pass	
B.1.25	No Pass	Wrong error message.

Tests performed 151008

Testcase	Pass/No Pass	Comment
B.1.1	Pass	
B.1.2	Pass	
B.1.3	Pass	
B.1.4	Pass	
B.1.5	Pass	
B.1.6	Pass	
B.1.7	Pass	
B.1.8	Pass	
B.1.9	Pass	
B.1.10	Pass	
B.1.11	Pass	
B.1.12	No Pass	Does not display the correct values after pressing get.
B.1.13	Pass	
B.1.14	Pass	
B.1.15	No Pass	Wrong error message.
B.1.16	Pass	
B.1.17	No Pass	Wrong error message
B.1.18	Pass	
B.1.19	No Pass	No error message
B.1.20	No Pass	No error message
B.1.21	Pass	
B.1.22	Pass	
B.1.23	Pass	
B.1.24	Pass	
B.1.25	Pass	

3.2 Quality tests

Tests performed 151005

Testcase	Pass/No Pass	Comment
B.2.1		Postponed
B.2.2	No Pass	Fail at step 7.
B.2.3	No Pass	No error messages generated.

Tests performed 151008

Testcase	Pass/No Pass	Comment
B.2.1	Postponed	
B.2.2	No Pass	Fail in instructions: 2 and 7
B.2.3	No Pass	Failed to generate error messages in instructions: 2,4,5,6,7

4 Review protocols - informal

Here is a collection of the protocols from the informal reviews.

5   Review protocols - formal

Here is a collection of the protocols from the formal reviews.