Test cases document for BonoPastore

Team: White Hats

# Test script specification

### Feature to be tested

|  |  |
| --- | --- |
| Feature tested:Receive humidity level from sensor and send the right alert request to notifiable server  *{BonoPastore/embeded}* | Test date: 13-12-2018 |
| Tester: *Alexandru Duduman* |

### Goal

The purpose of the test is to alert the alert server about excessive humidity in the user's private object area

### Environment

whitehats.hackathon.osf.global

### 1.5. Tests included

|  |  |
| --- | --- |
| TS # | sub Feature addressed |
| TS# 1 | *Read data from water sensor, Connect to wifi network with esp8266* |
| TS#2 | Classification of alerts by level, Send the alert to whitehats.hackathon.osf.global/alert server |

# Test scripts

**Test Script 1**

|  |  |
| --- | --- |
| TS # 1 | *Read data from water sensor, Connect to wifi network with esp8266* |
| Pre Requisites | An ESP8266 module, The Arduino IDE with the NODEMCU enabled, wires, A 5V USB power source and a USB micro cable |
| Comments |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step # | Actions to complete this step | Expected results | Actual results (on Testing environment) | Pass/Fail |
| 1 | The ground (-) from the NodeMCU goes to the minus connection on the sensor. The 3.3V pin from the NodeMCU goes to the PLUS (+) pin of the sensor. Finally the A0 (Analog channel 0) pin of the NodeMCU is wired to the Sensor (S) pin. Reads constantly the value of sensor. | leds is on and values are good. | leds in on and values are good. | **Pass** |
| 2 | Connect to wifi | Connection accepted. | We are connected. | **Pass** |

**Test Script 2**

|  |  |
| --- | --- |
| TS # 2 | Classification of alerts by level, Send the alert to whitehats.hackathon.osf.global/alert server |
| Pre Requisites |  |
| Comments |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Step # | Actions to complete this step | | Expected results | Actual results (on Testing environment) | Pass/Fail |
| 1 | divides the values with the possible levels | For value of 75 alert must be level3 | | Alert is level 3 | **PASS** |
| 2 | Create a socket to whitehats.hackahon.osf.global/alert  server and send alert disaster | alert server must receive disaster level 3 | | done | **PASS** |
|  |  |  | |  |  |
|  |  |  | |  |  |
|  |  |  | |  |  |
|  |  |  | |  |  |