Project Sensors

Unit test plan

Module: sensors\_main

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| **Id** | **Description** | **Target(s)** | **Precondition(s)** | **Input(s)** | **Expected outcome(s)**  **(postcondition)** |
| TC1 | Correct limits | Function check\_limits | None | limits == [18, 22] | Function returns True |
| TC2 | Incorrect limits | Function check\_limits | None | limits == [22, 18] | Function returns False |
| TC3 | Incorrect limits | Function check\_limits | None | limits == [18, 18] | Function returns False |
| TC4 | Correct limits | Function check\_limits | None | limits == [9,20] | Function returns True |
| TC5 | Sensors are read | Function read\_sensors | None | None | Results are returned |
| TC6 | Correct number of sensors | Function read\_sensors | None | None | 4 list/ 4 sensors reading returned. |
| TC7.1 | Incorrect number of results is returned for each sensor | Function read\_sensors | None | None | Not 5 results are returned for each sensor |
| TC7.2 | Correct number of results is returned for each sensor | Function read\_sensors | None | None | Now 5 results are returned for each sensor. (After fixing the code in sensors\_main.py) |