Outcome 2 – Test Log

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# Outcome 2 Instructions

Use the test log below and thoroughly test that your application functions as expected. Record any errors on the log and then rectify those errors. Once the errors are successfully rectified make sure to indicate so on the log.

| **Item or action to test** | **Result** | **Comments** | **Errors rectified?** | **Item or action to test** |
| --- | --- | --- | --- | --- |
| Misspells (missing letter, using capital letter rather than normal etc.) | syntax error | Found the misspell within the code | yes | It was many of this sort of errors in each part of my program |
| Temperature readings and message displaying | Program executed twice | Had to block pressed button from executing code for the second time | Yes | if answer[1] == YES and answer[0] == "pressed": |
| Displaying options and messages to user | Program displays options stright away | Had to put program to sleep for one second | Yes | sleep(1) |
| Temperature readings | Program shows a lot of numbers after the coma | Used ‘round’ to limit numbers after the coma to 2 | Yes | sense.show\_message(str(round(temp)) |
| Choosing from the menu | Program executes the option one after another, after another, after another… | Stop program from saving every action on joystick | Yes | event = sense.stick.wait\_for\_event(emptybuffer=True) |
| Ending program and back to menu | Program isn’t returning to the menu | Had to add ‘return’ to each loop | Yes | Used ‘return’ inside the program, which helps return to the top of the defined function of the menu |
| Measurements | Loop isn’t as efficient as function | Placed Measurements into a function | Yes | def Temperature():  Measurements = [] |
| Colours | Too long code for colours in each loop | Placed colours descriptions into a list | Yes | Temp\_Colors = [[255, 0, 0], [0, 0, 0]]  Press\_Colors = [[0, 255, 0], [0, 0, 0]]  Humi\_Colors = [[0, 0, 255], [0, 0, 0]] |
| Saving readings | It is easier to use form of append while creating a file with readings taken and add new measures to it | Changed “w” to “a” | Yes | file = open("temps.txt", "a") |
| Pressing random key on keyboard | Nothing happens | Nothing happened as it’s not part of the program | No | N/A |
| Saving file | File objects had no attribute ‘writelines’ as I wrote it in Python 3 and Sense Hat is for Python 2 | Changed the code within the Sense Hat emulator | Yes | file.write(line+"\n") |