## Assignment 07

## 7.4. Develop test cases for Weather Station Case Study

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| **Test 1: report Weather** |
| **Input:**  1.Sensor reading.  2.Some parameter  3.Time  **Tests:**   1. **S**ensor raw data should be converted or preprocessed 2. Get timestamp 3. Ensure sending of the parameter values to the database system 4. Ensure sensors are active and running   **Output:** OK or error message indicating failure of operation for particular input. |

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| **Test 2: Calibration** |
| **Input:**  1. connectivity  **Tests:**   1. initial data processing on the raw sensor reading. 2. Ensure communication between the sub-systems 3. proper transferring of information by satellite.   **Output:** OK or error message indicating failure of operation for particular input. |

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| **Test 3: System error report** |
| **Tests:**   1. check the process that includes acquiring, validating, storing weather parameters. 2. Ensure communication between the sub-systems 3. Check proper transferring of information by satellite. 4. Check data collection 5. Check for any system failure   **Output:** OK or error message indicating failure of operation for particular input. |