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Test Planner and Tracker   Team 51

Test No. ID	Related Use case	Pre-conditions	Test Description (steps)	Expected Outcome	R1 Outcome (color code cell background)	Comments (if test case failed)	R2 Outcome (color code cell background)	Comments (if test case failed)
1	UpandRunning: Program Setup	Invocation of our framework (this is the fundamental/basic use case)	Log in to the system from the lab	User should be able to connect to the nodes.				
2	UpAndRunning ; Program_Setup	Invocation of our framework (this is the fundamental/basic use case)	Connect to a node	User should get some live values of the nodes and sensors.				
3	UpAndRunning ; Program_Setup	Invocation of our framework (this is the fundamental/basic use case)	Change the conditions around the sensor and verify if sensor outputs a new updated value after a given amount of time (1s)	The change in sensor value is reflected on to the OneM2M server				
4	DataValidation ; Good_values	The node is up and running	Monitor the data sending by the sensors and mark for NaN values	There are no NaN values, I.e the sensor data is valid				
5	DataValidation ; Good_values	The node is up and running	Check if the NaN marked sensors actually have NaN outputs	All sensors are marked correctly				
6	DataValidation ; Outliers	The node is up and running and NaN values are marked	Pass testcases of noisy data with certain spikes and lowering of data values.	The algorithm should detect the sudden change in data values.				
7	DataValidation ; Outliers	The node is up and running and NaN values are marked	Reduce the intensity of the spikes in test 6 in certain levels.	The algorithm detects the sudden change in all levels of difficulty				