System Tests

Must: non-negotiable device/system needs that are mandatory

M	As a subscriber, I want to monitor electricity consumption, so that I can see how much electricity a consumer(s) is using.	
ID	System Test	Assessment
1.	The device must be able to measure the electricity consumption	Achieved
2.	The device must be able to collect and format data so it is easy to transmit	Achieved
3.	The device must be able to transmit data to a cloud system at predetermined intervals (collection rate)	Achieved
4.	The system must be able to observe and collect data transmitted by the device	Achieved
5.	The system must be able to store, transform, aggregate and present data to the subscriber	Achieved

M	As a subscriber, I want to be able to access monitoring information from any place with internet access, so that I can monitor electricity consumption remotely.	
ID	System Test	Assessment
1.	The system must be able to be accessible over the internet	Achieved
2.	The system must provide means for connecting the device to internet (via WiFi)	Achieved

M	As a subscriber, I want to be able to see the current status of the devices, so that I can easily understand which devices are online and which are offline.	
ID	System Test	Assessment
1.	The system must be able to assess device's state	Achieved
2.	The system must be able to update with the latest device's state	Achieved
3.	The system must be able to provide means of visualizing the current state of a device	Achieved

M	As a subscriber, I want to be able to visualise historical data, so that I can go back and read the electricity usage at a certain point in the past.	
ID	System Test	Assessment
1.	The system must be able to preserve the collected data	Achieved
2.	The system must be able to retrieve and present stored data	Achieved
3.	The system must be able to offer a way of navigating historical data (preferably based on time)	Achieved

M	As a subscriber, I want to be able to make comparations of consumptions between devices so that I can see how much a device has consumed over another device.	
ID	System Test	Assessment
1.	The system must be able to select data for a specific device	Achieved
2.	The system must be able to select data for a specific device over a period	Achieved
3.	The system must be able to provide aggregated data for easier comparation	Achieved

M	As a subscriber, I want to be able to make comparations of consumptions between periods so that I can see the difference between two or more periods.	
ID	System Test	Assessment
1.	The system must be able to select data for a specific period	Achieved
2.	The system must be able to select data for a specific period for multiple devices	Achieved
3.	The system must be able to make comparations for two or more periods	Achieved
4.	The system must be able to provide aggregated data for easier comparation	Achieved

M	As a subscriber, I want to be able to monitor electricity consumption in real-time (near real-time), so that I can observe how much a device is consuming at the moment.	
ID	System Test	Assessment
1.	The system must be able to collect and make data available	Achieved
2.	The system must be able to auto-refresh to the last available data	Achieved
3.	The system must be able to provide means of adjusting the refresh rate	Achieved
4.	The system must be able to provide means of visualizing real-time (near real-time) data	Achieved

Should: important initiatives that are no vital, but add significant value

S	As a subscriber, I want to receive reports for certain defined intervals, so that I can have an easy-to-read overview of electricity consumption.	
ID	System Test	Assessment
1.	The system must be able to use stored data for creating periodical reports	Not Implemented
2.	The system must be able to send/present the reports to the subscriber	Partially Achieved
3.	The system must be able to regenerate reports confidently	Partially Achieved

S	As a subscriber, I want to have a profile that I can login to so that I can have an overview of my devices and configurations.	
ID	System Test	Assessment
1.	The system must be able to create user profiles.	Achieved
2.	The system must be able to store, retrieve and edit user profiles.	Achieved

S	As a subscriber, I want my subscriber data, configurations and monitoring information to be stored securely so that other un-authorized subscribers cannot access it.	
ID	System Test	Assessment
1.	The system must be able to provide a way of authorizing/authenticating subscribers	Achieved
2.	The system must be able to deny access to not authorized/authenticated subscribers	Achieved
3.	The system must be able to store subscriber data in a secure way	Achieved

Could have: nice to have initiatives that will have small impact if left out

С	As a subscriber, I want to adjust the update rate of the device so that I can have more control on how often data is updated.	
ID	System Test	Assessment
1.	The device/system must be able to provide methods for adjusting the update rate	Not Implemented
2.	The device/system's update rate must be adjustable remotely	Not Implemented

С	As a subscriber, I want to receive automatically generated reports on a pre-defined timely basis, so I don't have to manually create the reports.	
ID	System Test	Assessment
1.	The system must be able to create reports on a time basis	Not Implemented
2.	The system must be able to send reports to the user	Not Implemented

С	As a subscriber, I want to receive updates for the software automatically without me having to interfere with it, so that I do not have to manually update it.	
ID	System Test	Assessment
1.	The device/system must be able to receive updates over the air	Not Implemented
2.	The device /system must be able to install the update and run the newer version of the software without subscriber's interference or help	Not Implemented

С	As a subscriber, I want the device to be able to stop electricity consumwithout having to physically unplug the device, so that I can remotely device is monitoring - sleep mode.	
ID	System Test	Assessment
1.	The device / system must be able to start/stop monitoring the electricity consumption	Not Implemented
2.	The device/system must be able to receive commands over the air	Not Implemented

С	As a subscriber, I want to be able to manually save/favourite sections of custom tag for them, so that I can easily find it back	time and create a
ID	System Test	Assessment
1.	The system should be able to let the subscriber save time periods for easy finding	Not Implemented
2.	The system should allow the subscriber to create custom tags for the favourited sections	Not Implemented

С	As a subscriber, I want to create custom commands (IFTTT) so that I can the tasks when controlling consumers.	automate some of
ID	System Test	Assessment
1.	The system must be able to register IFTTT commands	Not Implemented

2.	The system must be able to store IFTTT commands	Not Implemented
3.	The system must be able to execute IFTTT commands	Not Implemented

С	As a subscriber, I want to be able to use the device as a remote switch so any consumer without having to physically unplug it.	that I can turn off
ID	System Test	Assessment
1.	The device / system must be able to start/stop electricity flow between the electricity source and consumer	Not Implemented
2.	The device/system must be able to receive commands over the air	Not Implemented

С	As a subscriber, I want to be able to schedule when a consumer is cons and when not so that I can create schedules for different cons	
ID	System Test	Assessment
1.	The system must be able to store subscriber generate schedules	Not Implemented
2.	The system must be able to follow the schedules provided by the subscriber	Not Implemented

Mu	st – contribution 50 %	100 %
1.	As a subscriber, I want to monitor electricity consumption, so that I can see how much electricity a consumer(s) is using.	100 %
2.	As a subscriber, I want to be able to access monitoring information from any place with internet access, so that I can monitor electricity consumption remotely.	100 %
3.	As a subscriber, I want to be able to see the current status of the devices, so that I can easily understand which devices are online and which are offline.	100 %
4.	As a subscriber, I want to be able to visualize historical data, so that I can go back and read the electricity usage at a certain point in the past.	100 %
5.	As a subscriber, I want to be able to make comparations of consumptions between devices so that I can see how much a device has consumed over another device.	100 %
6.	As a subscriber, I want to be able to make comparations of consumptions between periods so that I can see the difference between two or more periods.	100 %
7.	As a subscriber, I want to be able to monitor electricity consumption in real-time (near real-time), so that I can observe how much a device is consuming at the moment.	100 %

Sh	ould – contribution 37.5 %	76.56 %
8.	As a subscriber, I want to receive reports for certain defined intervals, so that I can have an easy-to-read overview of electricity consumption.	32 %
).	As a subscriber, I want to have a profile that I can login to so that I can have an overview of my devices and configurations.	100 %
10.	As a subscriber, I want my subscriber data, configurations and monitoring information to be stored securely so that other un-authorized subscribers cannot access it.	100 %
Со	uld – contribution 12.5 %	0%
11.	As a subscriber, I want to receive automatically generated reports on a pre-defined timely basis, so I don't have to manually create the reports.	0%
12.	As a subscriber, I want to adjust the update rate of the device so that I can have more control on how often data is updated.	0 %
13.	As a subscriber, I want to receive updates for the software automatically without me having to interfere with it, so that I do not have to manually update it.	0 %
14.	As a subscriber, I want the device to be able to stop electricity consumption monitoring without having to physically unplug the device, so that I can remotely control when the device is monitoring - sleep mode.	0 %
15.	As a subscriber, I want to be able to manually save/favorite sections of time and create a custom tag for them, so that I can easily find it back.	0 %
16.	As a subscriber, I want to create custom commands (IFTTT) so that I can automate some of the tasks when controlling consumers.	0 %
17.	As a subscriber, I want to be able to use the device as a remote switch so that I can turn off any consumer without having to physically unplug it.	0 %
18.	As a subscriber, I want to be able to schedule when a consumer is consuming electricity and when not so that I can create schedules for different consumers.	0 %
Wo	n't – contribution 0 %	0 %
19.	As a subscriber, I want to access the system on a mobile device (with internet access) through a dedicated mobile/pc application so that I don't have to use the browser for that.	0 %
20.	As a subscriber, I want to receive assistance/support from the developers of the system, so that they can fix the system in case of malfunction.	0 %
	ighted Average Achieved (excluded Won't)	78.71 %