A web and/or mobile solution to monitor different IoT devices (fridges, heating systems, water etc.) to be displayed to the users.

1. Look through a list of their devices
2. Investigate their devices current and past status
   1. Online/Offline
   2. Metric (Temperature, Energy Used)
3. Must allow at least four devices to be monitored - but should allow more to be added.
4. Should accommodate growth to the UI and functionality.
5. Visual representation of trends.
6. Add/Remove devices

*Note: More advanced solutions may utilise some interesting visualisation options*

Custom Requirements

1. Show overall cost for Day/Week/Year
   1. Should allow user to enter their price for electricity
2. Budget bar showing how close you’re currently to maxing out
   1. Possibly split between categories
3. Download report between a timeframe
4. Estimate months final figure based on average of data so far

In order to test and demonstrate this:

1. You need to created networked stub/driver (server) applications reading test data from text files which provide/send information to your application
   1. Fake data that sends to the main server
   2. Possibly later dynamic fake data

In order to simulate the networked nature of the solution

1. Use at least four computing devices, such as laptops, desktops, smartphones and single board computers, running Linux distribution

Application should be able to grow in the future by allowing new devices to be added.

That means **maintainability** and **extensibility** to be at the core of the solution.