Project Skeleton

1. Phidgets
   1.1. Deploy at least one of the Phidget boards connected to the Raspberry PI (TASK 1)
   Using : light sensor and other asked sensors.
   1.2. Retrieve and transmit information from at least 2 different environmental sensors (TASK 2)
   This is what the project is about…
   1.3. Read and write information on an RFID tag (TASK 3)
   Admin mode: switch the green area between public and admin mode. In admin mode, only a recognized gardener – i.e. a gardener possessing an RFID tag – can access the area, while everyone can access it in public mode.
2. Scala/Server
   2.1. Define a communication protocol for communication with different types of hardware
   Usage of JSON and REST
   2.2. Infer knowledge involving readings from at least 2 different sensor types
   Will be done during project.
   2.3. Manage gracefully (reactively) sudden connections and disconnections of sensor sources
   If the PI is disconnected from its sensors, it will contact weather station (Arduino) to get some general data and will obviously display some message.
   2.4. Create a Web service API that will allow other services to benefit from your service
   API read is needed. API write? -> to discuss
3. Other aspects
   3.1. Communicate with the Arduino MKR board through its Wi-Fi connection.
   Arduino will be the weather station – see 2.3.
   3.2. Include an end-user application in your project (careful with the UI)
   Has to be done for the project ^^