# IN610 Programming 3 Assignment 1 - Adam Charlton

## Short description:

The data that I am working with is data from 6 sensors 3 light level sensors and 3 temperature sensors; they have been placed around a property to monitor the temperature vs. light during the period over winter. In this example the sample rate of the data has been logged every few seconds in the real data set, data will be logged at an interval of one hour.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| TIMESTAMP | TEMP 1 | TEMP 2 | TEMP 3 | LIGHT 1 | LIGHT 2 | LIGHT 3 |
| Fri Apr 19 11:38:08 2013 | 16.65 | 16.65 | 16.76 | 26 | 100 | 321 |
| Fri Apr 19 11:38:09 2013 | 16.65 | 16.65 | 16.76 | 26 | 100 | 321 |
| Fri Apr 19 11:38:10 2013 | 16.65 | 16.65 | 16.76 | 26 | 100 | 321 |
| Fri Apr 19 11:38:11 2013 | 16.65 | 16.54 | 16.65 | 26 | 100 | 321 |
| Fri Apr 19 11:38:13 2013 | 16.54 | 16.54 | 16.65 | 26 | 100 | 321 |
| Fri Apr 19 11:38:16 2013 | 16.65 | 16.54 | 16.65 | 26 | 100 | 321 |
| Fri Apr 19 11:38:19 2013 | 16.54 | 16.54 | 16.65 | 26 | 100 | 321 |
| Fri Apr 19 11:38:22 2013 | 16.65 | 16.54 | 16.65 | 26 | 100 | 321 |
| Fri Apr 19 11:38:25 2013 | 16.65 | 16.65 | 16.76 | 26 | 100 | 321 |
| Fri Apr 19 11:38:28 2013 | 16.54 | 16.65 | 16.65 | 26 | 100 | 321 |

## List of proposed data types:

Array List, String, Date Time, Floats, Integers

## Information wanting to extract:

The main objective for these sensors was to map the daylight hours and view temperature trends. This can then be used to see what types of plants would be appropriate to grow over the winter.

## UML:

