Lab 1 Outline

1. Introduction

Introduce the CS 410 product and the approach to demonstrating its characteristics through prototyping (essentially an abstract). This section should

1. *summarize the societal problem with some reference/date support.*
2. *outline problem and needed solution characteristics.*
3. *briefly introduce your product by name.*

2. X Product Description

Provide a top-level description of CS 410 product for the average reader. Provide a summary of the solution –- and its goals and objectives. This section should be one paragraph minimum.

2.1. Key Product Features and Capabilities

What does it do? What is significant/unique/innovative about it? What does it accomplish? Describe how this solves the problem.

2.2. Major Components (Hardware/Software)

Provide an overview of the hardware needed to support the solution. Describe how it is structured based on CS 410 MFCD. Define and describe the software to be developed.

3. Identification of Case Study

For whom is this product being developed? Why? Who else might use this in the future?

4. Glossary

- dB (Decibel): A unit to measure the intensity of sounds.
- Noise Event: An occurrence when decibel thresholds are reached for a specific duration. Used for reporting.
- Noise Sensor: A physical device that monitors sound levels without recording audio.
- Report: A structured report generated by the system, detailing the noise event.
- Threshold: A predefined decibel level, which if exceeded will trigger a noise event

- Tenant: A resident or occupant of a shared or multi-unit housing space using the system to manage and monitor noise activity.

5. References

Minut.com. Minut. (n.d.). http://www.minut.com/

RentEye.com. RentEye. (n.d.). http://www.renteye.com/