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# Objectives

The goal of this project is to implement system that serves home security and surveillance in a tiny hardware box:

# Scope

The desk fan is expected to cover the area of 3.3 m2. The team is supposed to develop the desk fan controller, the software of the controller, and the sensing and the actuating devices of the desk fan. The desk fan in our scope will exclude the power source and the computer based control of the fan. Rather, the android device level control will be the main focus…………………………………………………………………

<Add an illustrative figure showing the scope of the project>

# Outstanding Issues

None to date

# Assumptions

The following are assumptions made in this design:

1. SafeHome box is connected to the internet.
2. SafeHome is expected to update via internet when some security patches are available.
3. Operating temperature of the device is expected to be from -10 degree Celsius to 50 degree Celsius.
4. SafeHome is expected to be connected to the power outlet properly.
5. SafeHome is expected to run 1~2 days even after power outage happens.
6. SafeHome uses safe encrypted communication and if related security issues happen, related patches will be automatically applied.
7. SafeHome console is expected to be durable even with free falling with 2 meter height.

# Requirement Notes/Legends

**Priority of data in field :**

|  |  |
| --- | --- |
| R | Required |
| O | Optional |
| SM | System Maintained (value cannot be changed) |
| C | Conditionally required |

# System Features

## Fire extinguishing system

### General description

### Use cases

## Door security system

### General description

### Use cases

## Garage security system

## Window security system

## CCTV system

## Web-based monitoring dashboard system

# Functional Requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Feature Number |  | Requirement Number |  | R/O/SM/C |  |
| Created date |  | Author |  | | |
| Updated date |  | Updated by |  | | |
| Requirement |  | | | | |
| Description |  | | | | |

# Non-functional Requirements

## Performance Requirements

## Process Requirements

### Standard Requirements

* + - 1. Platform constraints
      2. Coding style constraints
      3. and many many more

## Management Requirements

## Software Quality Requirements

## Security Requirements

### Access Permission

### Privacy

# Change Log

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Source** | **Author** | **Change** |
| 2013/03/11 | Course Preparation | Il-Chul Moon | Initial template development |
|  |  |  |  |
|  |  |  |  |