

## **CSCI 5448 - Object Oriented Analysis and Design Project - Part 1**

### **Team:**

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### **Title:**

Smart Home Management System

### **Description:**

Smart Home Management System is a desktop app, which helps to monitor and update notifications from the smart sensors at Customer's house. The project is assumed to be for a client company, **ABC Smart Home** which manufactures smart home products, so the Admin will be the company's employee and the customers will be the one who purchases the products from the company. The app will help the customer and the admin to configure sensors in the home network and update any notifications to the user.

### **Actors:**

Admin, Customer

### **Functionality:**

1. Admin login (For maintenance)
2. Customer Sign-up
3. Customer login
4. Customers can add new sensors to the network
5. Customers can setup a threshold value for sensors (eg. Temperature, Light Intensity)
6. Admin can collect error logs
7. Customers can turn on/off the sensors
8. Admin can add different products
9. Data Statistics display of all the sensors
10. Admin can add new sensors and its characteristics
11. Customer can create a generic password to configure the sensors
12. Customer can update the location of sensors inside the house
13. Customers can search sensors by name/location
14. Customers can set parental controls to restrict the access for their kids