

**20k1724**

**ASHAR KHALIL**

**SSD LAB 1**

Q1: You have to identify the use cases and misuse cases from the given case study. List them in a word document.

### **USE CASES**

1. Alerts to smartphones.
2. Shuts off harmful things.
3. Records Energy consumption.
4. Suggest energy-saving tips.
5. Monitor sleep schedule.
6. Monitor rooms.
7. Adjust curtains.
8. Close windows/doors.
9. Open windows/doors.
10. Register User.
11. Delete User.

### **Misuse cases**

1. Fake notifications
2. Breached Camera access.
3. Unauthorized control on devices.
4. DOS ATTACK

3: Create a UML (Unified Modeling Language) use case diagram to visually represent the interactions between actors (family members, system) and the various use cases and misuse cases. This diagram will help illustrate the functionalities and potential risks associated with the smart home automation system.

