



# Smart Home Security System

## Mini Project Presentation

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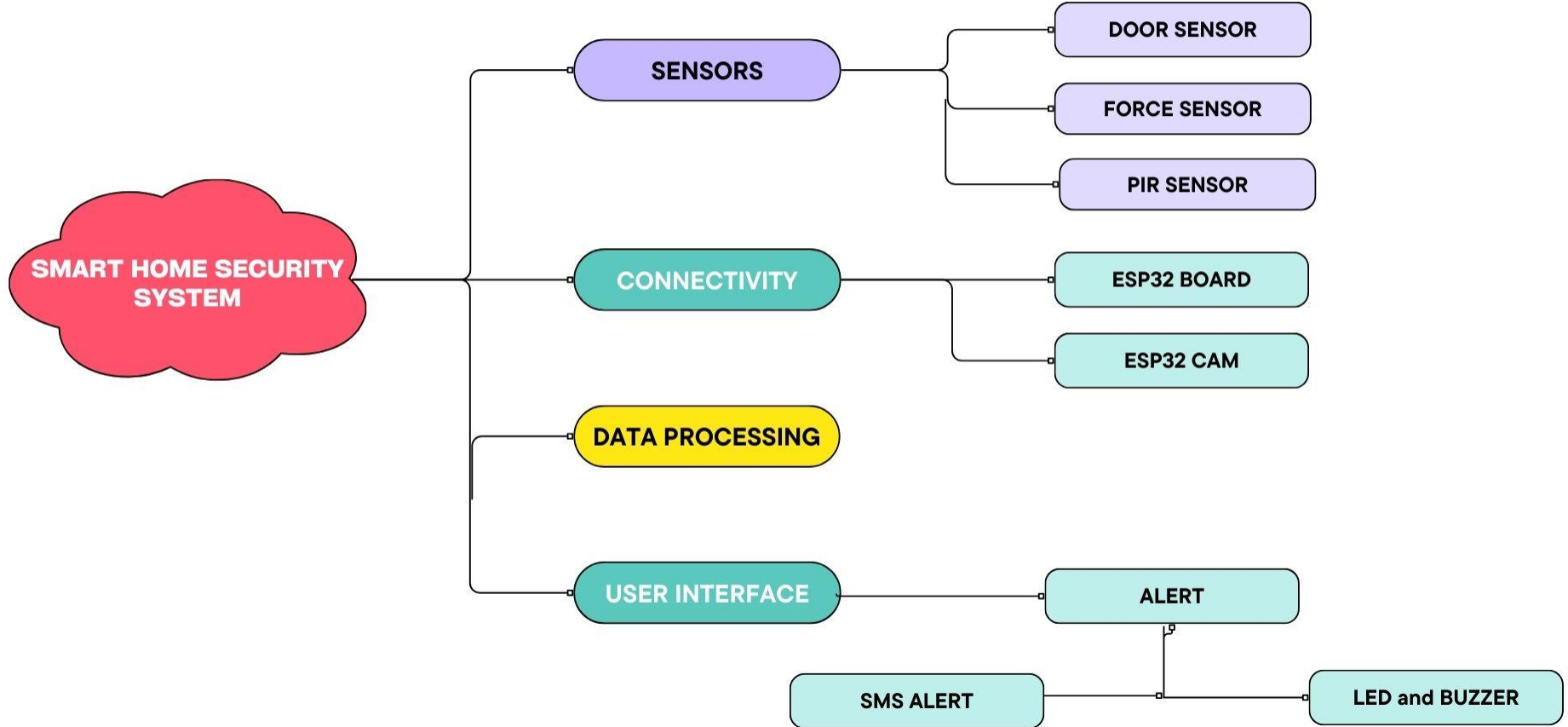
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# Introduction

A smart home security system is a technology that integrates various devices and sensors to protect and monitor your home. It includes features such as motion detectors, door/window sensors and smart locks all connected to a central hub or smartphone app. These systems offer real-time alerts, remote access and automation, enhancing the security of modern homes.

# Components Needed

- 1.ESP32 board
- 2.ESP32 Cam
- 3.PIR sensor
- 4.Force sensor
- 5.Buzzer
- 6.LED
- 7.Door Sensor



# Conclusion

The PIR sensors detect motion, while force sensors identify unauthorized access attempts. Upon detection, the ESP32 camera captures images or streams video, providing visual documentation of incidents. Simultaneously, the system activates alarms through buzzers and communicates security alerts using LED lights, ensuring both audible and visual notifications. The inclusion of a door lock sensor enhances the system's capabilities, detecting door status and enhancing access control.

THANK YOU