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Alarum uses the ESP8266 Thing microcontroller and VL53L0X proximity sensor for hardware. Arduino is used as the programming language, and SMTP2GO for sending alert emails.

Hardware

Microcontroller



Proximity Sensor



Software

Arduino IDE



SMTP Service



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Khamisa
3D Prosthetics



Problem: What if supermarkets and convenience stores have a device that could alert the store when to restock their fridges as soon as they are about to run out of stock?

Solution: An Internet of Things device that notifies supermarkets and convenience stores when they have to restock their cans/bottles in their beverage fridges. This project will be a huge addition to the inventory management process of the food retail industry.