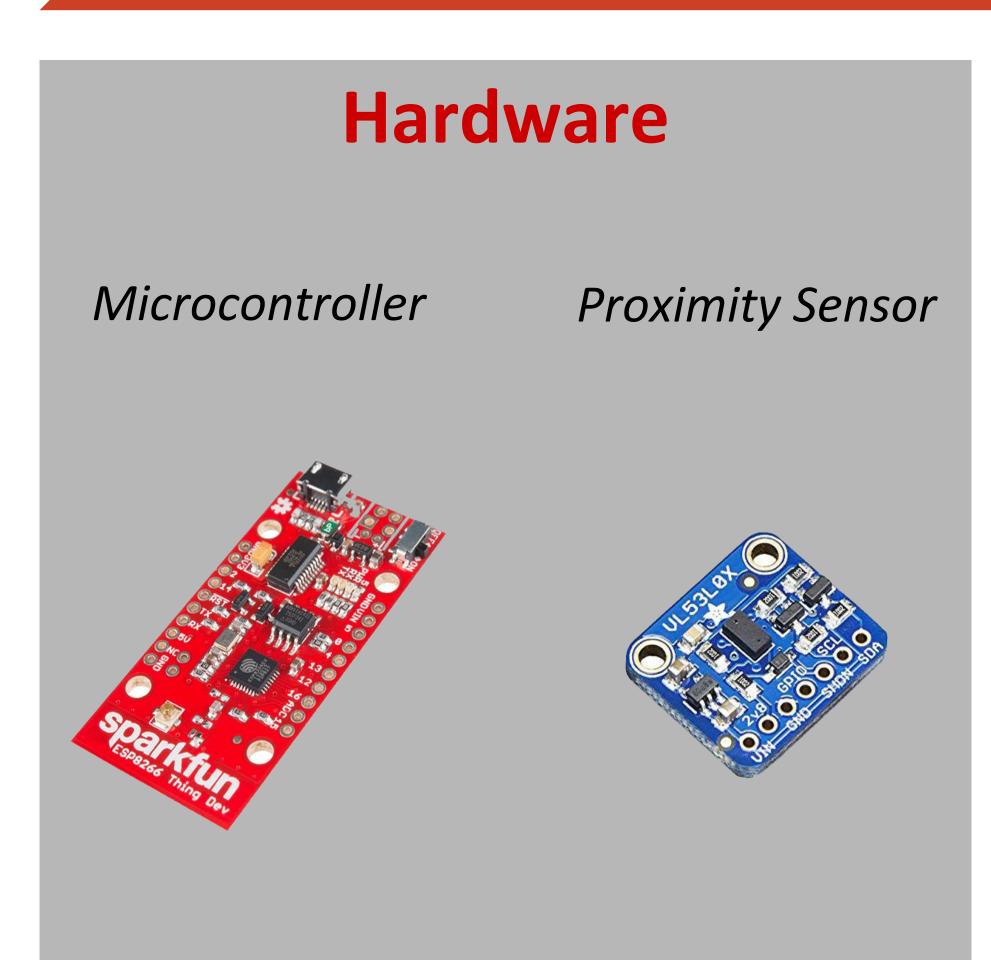
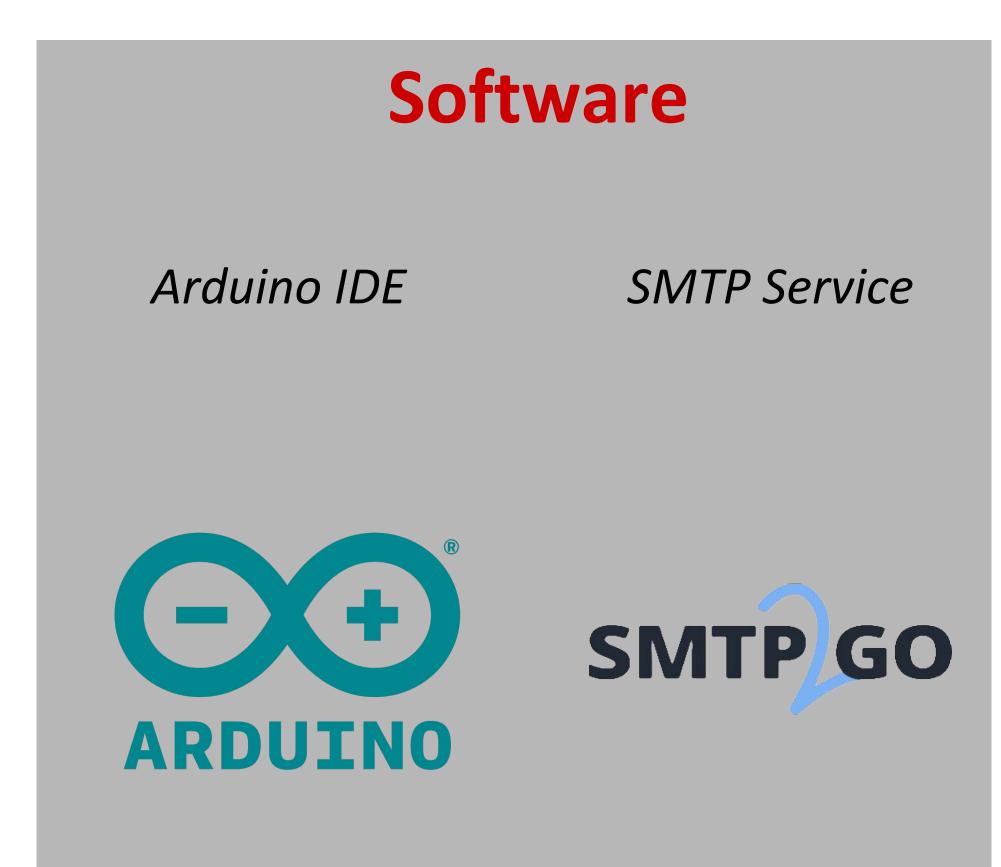


## College of Education, Criminal Justice & Human Services School of Information Technology University of Cincinnati

Team 34 - Brandon Nwankwo, Hoa Nguyen, Hien Nguyen
Faculty Advisor - Tyler Hopperton

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.









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.