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Topic: Home Lighting Controller Using ESP32

Brief Description: This project involves designing a WiFi-enabled home lighting controller using an ESP32 microcontroller. The system will allow users to turn on and off up to three lights remotely via WiFi commands. It will be powered by two 18650 Li-ion batteries with a focus on low-power consumption. The ESP32 will connect to the internet, synchronize time via an NTP server, and support communication through protocols like MQTT or HTTP for seamless control.