



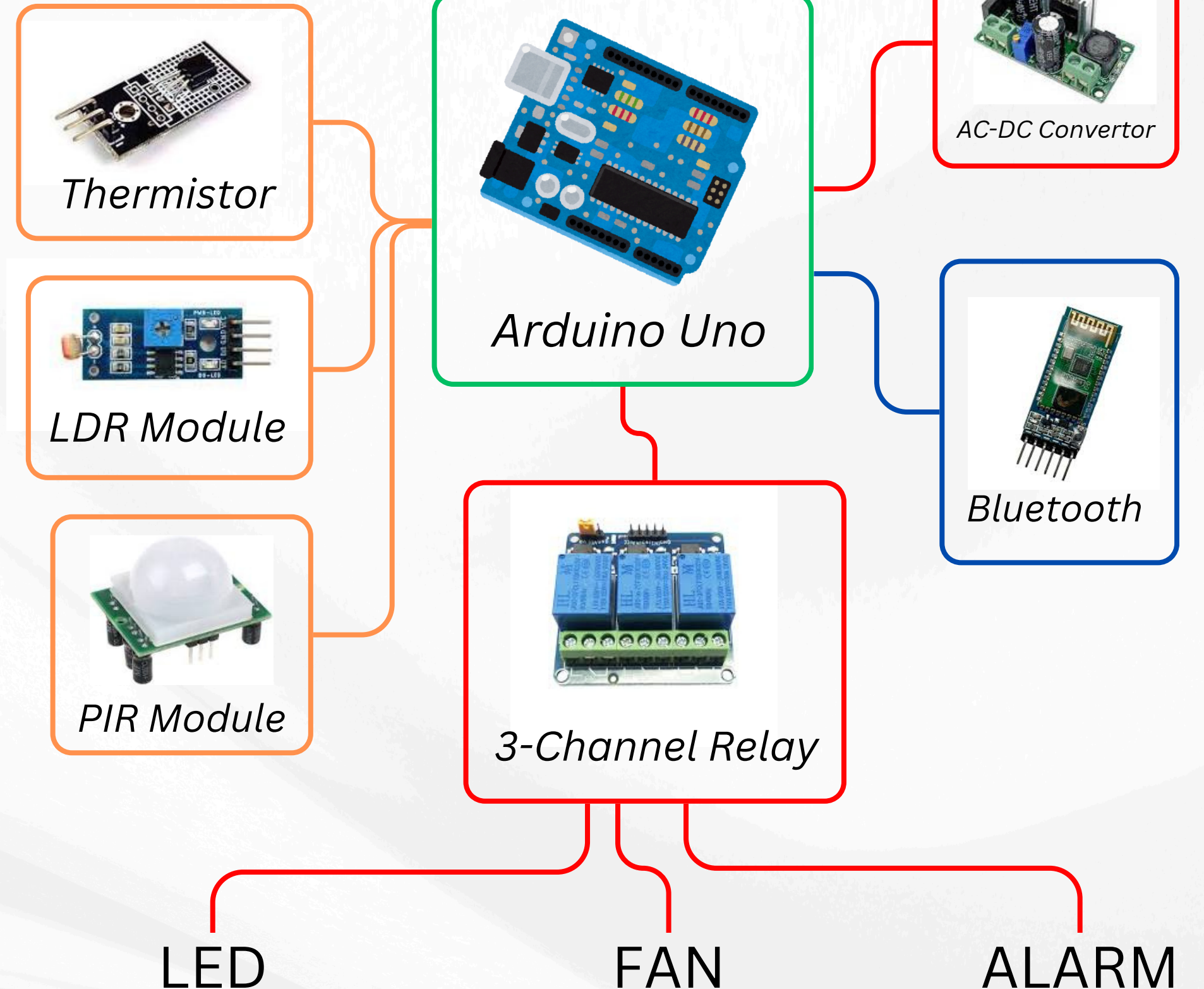
App Logo

Smart Home Controller

- System for automatic and manual control of home appliances
- Outlined system includes a light, fan, and alarm
- Bluetooth connectivity for remote operation
- Code logic for sensor-based automatic control

Component Used:

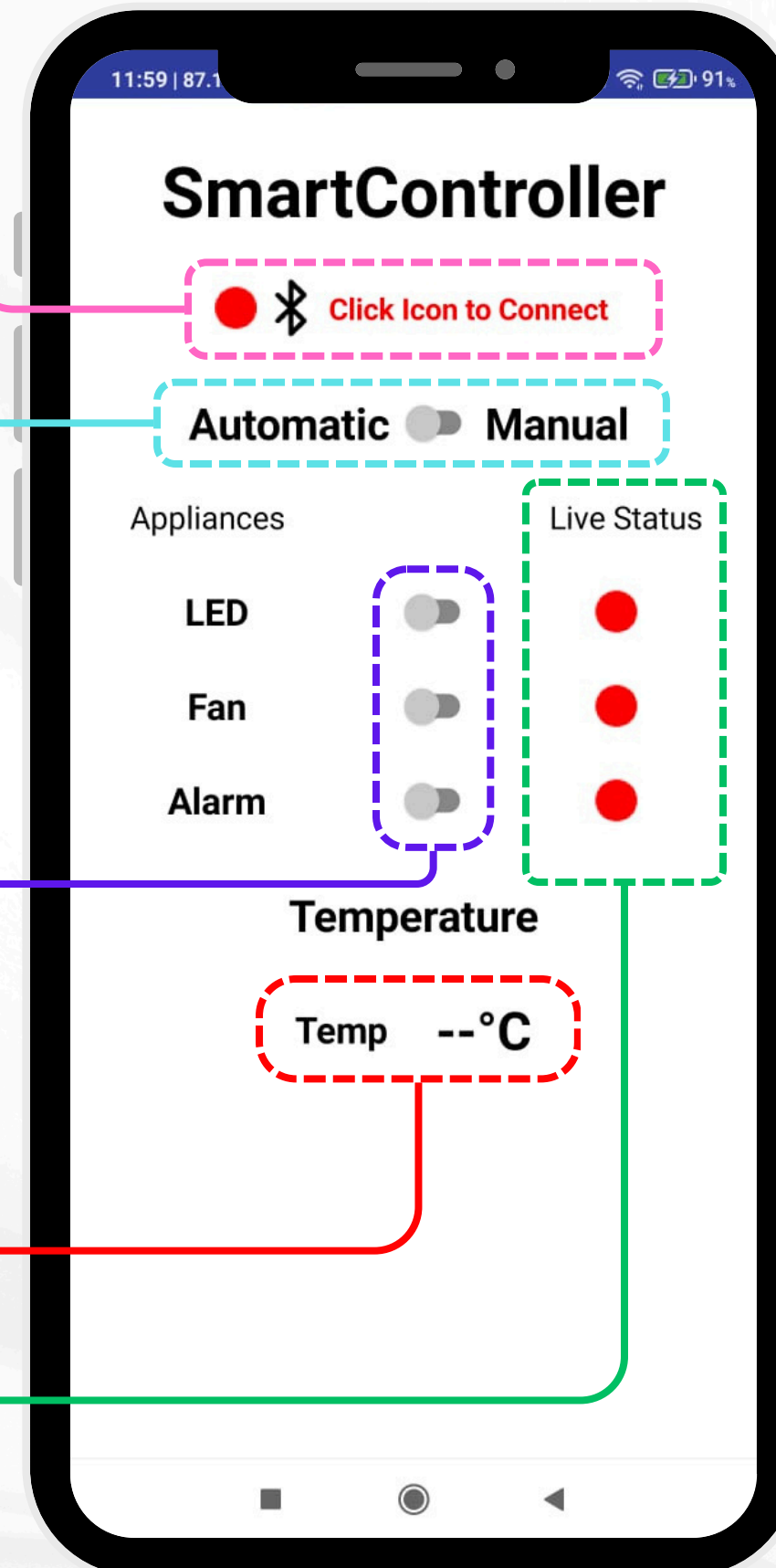
And their connection



App & Code Integration

App functionality

- Bluetooth Connection Control
- Toggle between Auto & Manual mode
- Manual ON/OFF switches for LED, Fan & Alarm
- Live Status for Device State
- Real Time Temp Display



Code Logics

- Read LDR, PIR & Temperature values
- Auto Mode:
 - LED: When Dark + Motion
 - FAN: When Motion + Temp > 27 °C
 - Alarm: When Temp > 100 °C
- Manual Mode:
 - App Toggles Each Device
 - Send Live Status & Temperature to App