Controlling IoT Devices

There are numerous ways of controlling IoT devices.

Direct

You can use the Fetch API, Web Sockets or Bluetooth to control an IoT device. The device may be proprietary and not designed for third-party interaction. Most IoT device makers expect you to use their App to control their device, not your own App.

The Direct approach assumes you have access to the device's technical and security details.

Bridged

A Bridge can be used to enable you to control many IoT devices. Zigbee2MQTT (https://www.zigbee2mqtt.io/) is open-source software which allows you to connect, manage and communicate with IoT devices. Zigbee2MQTT keep an up-to-date list of the IoT devices support by the software.

You can send commands to the Zigbee2MQTT software to control IoT devices. We will use this approach to enable our Apps to control our IoT devices.