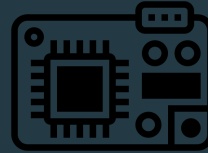


Red Link

Group E24's Solution For Saint Vincent Hospital





The Problem

SVH's Dilemma

SVH specializes in continuing care which aims to provide support and treatment for patients with complex physical disabilities

- Unique devices
- Systems disconnected from devices
- Existing solutions = time consuming + expensive
- Relatively small budget

Big Picture

- >5.3 million Canadians live with a disability that inhibits their mobility
- Patients rely on others and a network of devices to function
- number of devices > ways to connect them

People with disabilities are hindered from interacting independently with their environments, and their devices can't bridge the gap with every technology they may wish to use.



Our Solution

Existing Solutions

“IoT Device for Disabled People”

B. Shubankar M. Chowdhary M. Priyaadharshini

- Relies on mobility of patients
- Theoretical
- Good proof of concept for IOT used for communication

VIZIYON

- Specific to visual impairment
- Implements IOT well to communicate information
- Not commercially available

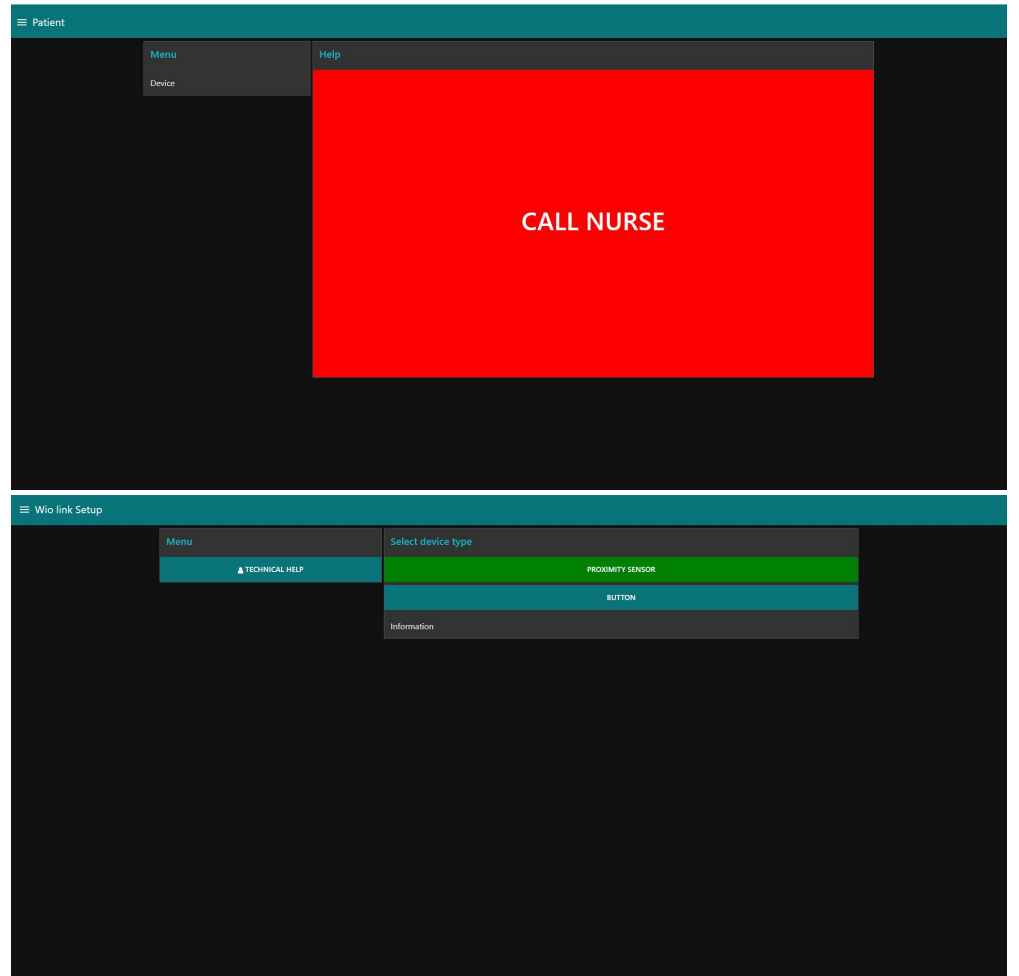
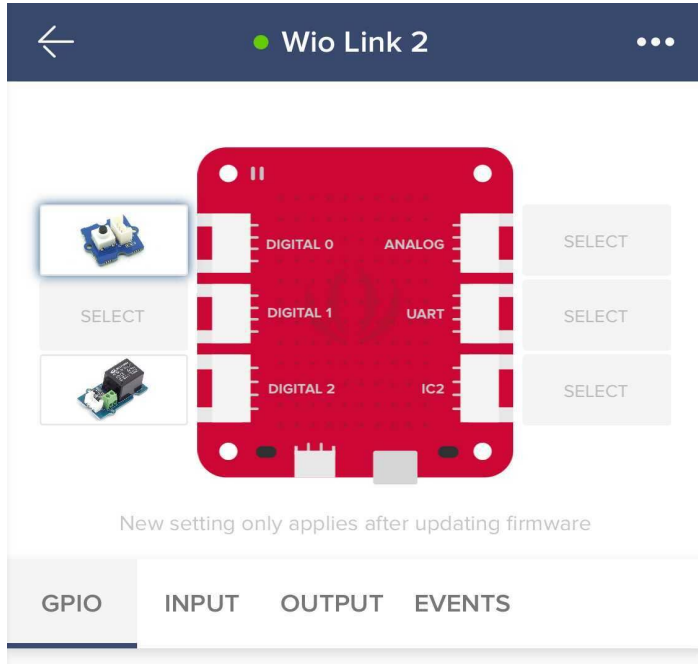
Design Goals

- Connects an accessibility device to another system
- Have the solution be versatile (IE many input/output devices)
- Have the solution be easy to use
- The solution is inexpensive

Design Specifications

- Use Wio Link and Node Red software
- Cost less than \$50
- Can be used as a nurse call button

The Design





The Prototype



Thank You