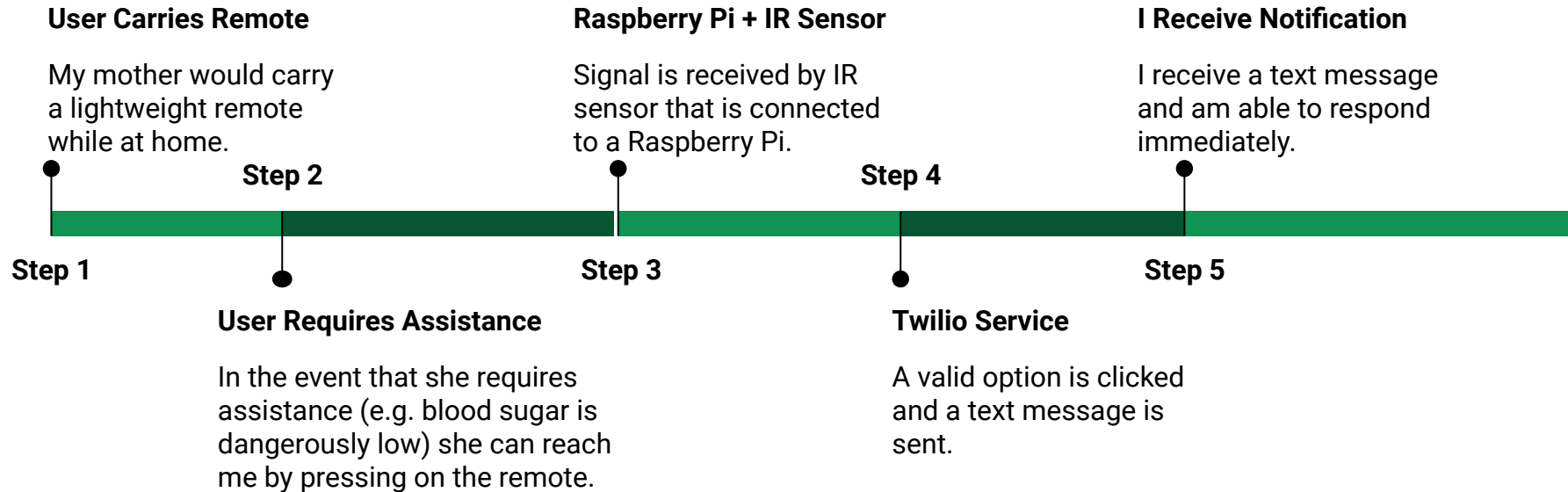# Paula's Project

Ediel Lopez

Problem

- My mother, Paula, suffers from chronic health problems and it requires that I check up on her multiple times throughout the day. Since she does not own a cell phone, I have decided to build a solution that allows her to reach me at the push of a button.

Potential Solution

User Carries Remote

My mother would carry a lightweight remote while at home.

Raspberry Pi + IR Sensor

Signal is received by IR sensor that is connected to a Raspberry Pi.

I Receive Notification

I receive a text message and am able to respond immediately.

Step 2

Step 4

Step 1

Step 3

Step 5

User Requires Assistance

In the event that she requires assistance (e.g. blood sugar is dangerously low) she can reach me by pressing on the remote.

Twilio Service

A valid option is clicked and a text message is sent.

Hardware & Software Needed

- Raspberry Pi
- IR (Infrared) Receiver Sensor (TSOP38238)
- Mini Remote Control
- Twilio (https://www.twilio.com/sms/pricing/us)
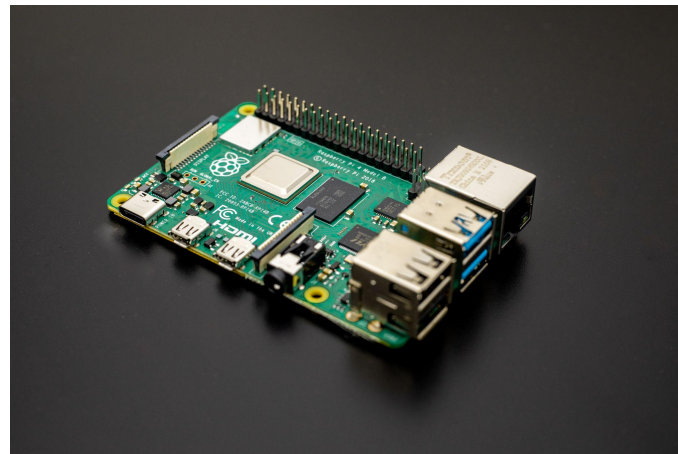

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