Mission 4: Animatronics Flow Chart
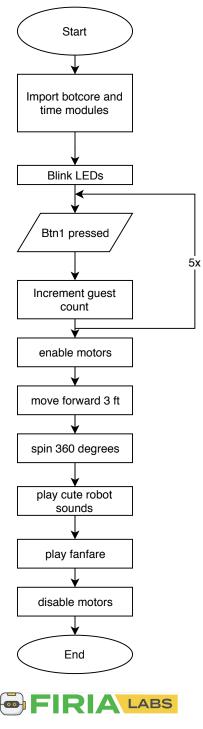
Here is one example of how you could represent the Animatronics program in flow chart form.

Some things to notice:
1) There is much more to this program than what is written on the Napkin Sketch! Use your prior knowledge to think about what you will have to include.

Some things to think about when you convert this diagram into actual code:
1) How do we make the LEDs blink?
2) What goes in a loop? What doesn't?
3) When do you need to enable and disable the motors?

```
                    ( Start )
                        |
            +-----------------------+
            | Import botcore and    |
            | time modules          |
            +-----------------------+
                        |
            +-----------------------+
            | Blink LEDs            |
            +-----------------------+
                        |
               / Btn1 pressed /
                        |                    5x
            +-----------------------+
            | Increment guest       |
            | count                 |
            +-----------------------+
                        |
            +-----------------------+
            | enable motors         |
            +-----------------------+
                        |
            +-----------------------+
            | move forward 3 ft     |
            +-----------------------+
                        |
            +-----------------------+
            | spin 360 degrees      |
            +-----------------------+
                        |
            +-----------------------+
            | play cute robot       |
            | sounds                |
            +-----------------------+
                        |
            +-----------------------+
            | play fanfare          |
            +-----------------------+
                        |
            +-----------------------+
            | disable motors        |
            +-----------------------+
                        |
                    ( End )
```