Power Up the System

- Actor
  - power up
  - ready

- Gumstix
- Accelerometer
- LED
  - Init
  - Flash all LEDs

Visit www.smartdraw.com or call 1-800-768-3729.
Normal Operation

Actor

- Gums/in/Robostix
- Accelerators
- Flex Sensors
- LEDs
- Buttons on the finger
- Memory

movements

On?

yes

Request Data

data

data

Result (or errors)

feedback

Data

Error (if any)

Error (if any)
Setting Player's Position

Actor

Gumstix/Robostix

Accelerators

Position Button

LEDs

Input position

Data

Request Data

Data

Result (success or errors)

Feedback

Visit www.smartdraw.com or call 1-800-768-3729.
Error Handling

Actor

Gumstix/Robostix

Accelerators

Memory

LEDs

Writing Request

exception

report

Request Data

terminate

no data

Terminate

Halted

error report

Halted

Visit www.smartdraw.com or call 1-800-768-3729.
Sending Data to External Sources

Actor

Gumstix/Robostix

memory

sending Btn

Laptop

signal

notify

notify

Request Data

Data

Data

report
Power Off

- Gumstix/Robostix
- Accelerator
- Sending Btn
- LED

Actor

- Signal
- Notify
- Notify
- Closing the system
- Issue halt
- Halted