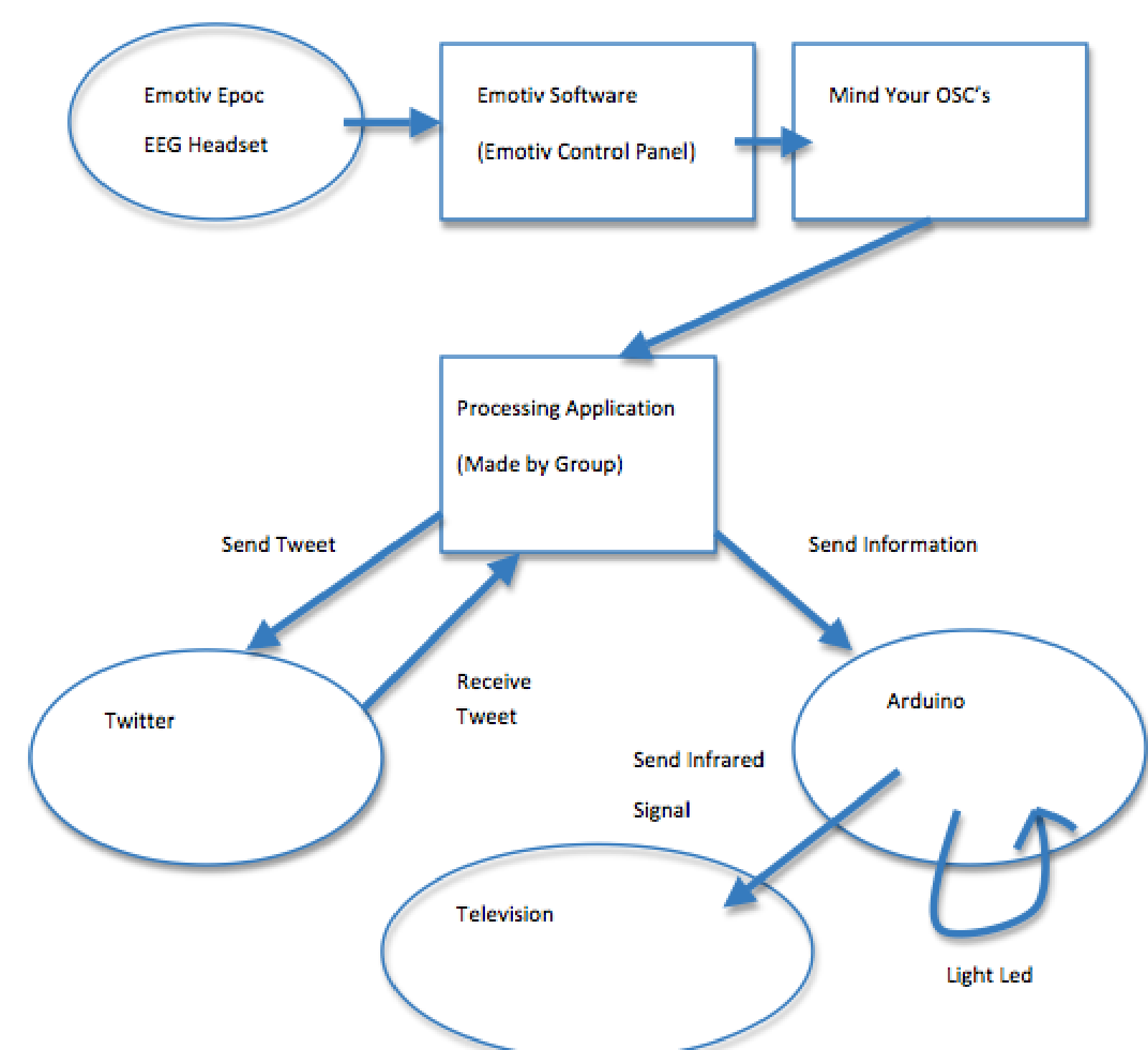# The Brain Wave App

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Just think and control!

Flow Chart

Project Description

- Harness Brain waves and convert them into actions.
- Provide a new way to interact with your surrounding.
- Help Paralytic patients communicate just by using their thoughts
- Control Television just by thinking.

Technical Details

- The Emotiv Epoc EEG headset reads brain waves, and relays them to the Emotiv software (included with headset) installed on a computer through wireless transmission.
- Mind Your OSC's (free, open-source program) converts the information outputted by the Emotiv software into OSC packets.
- The custom software (written in Processing) interprets the packets and decides whether to send or read tweets, and what information will be sent to the Arduino.
- The Arduino will either light the tweet recognition LED, or send an infrared signal to the television.