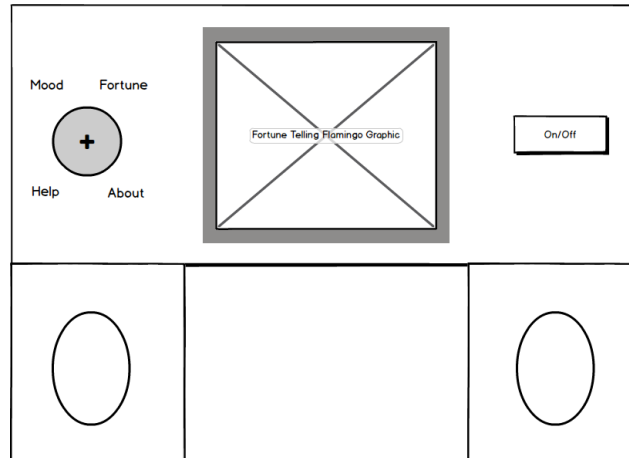


Advanced Prototyping Project Book

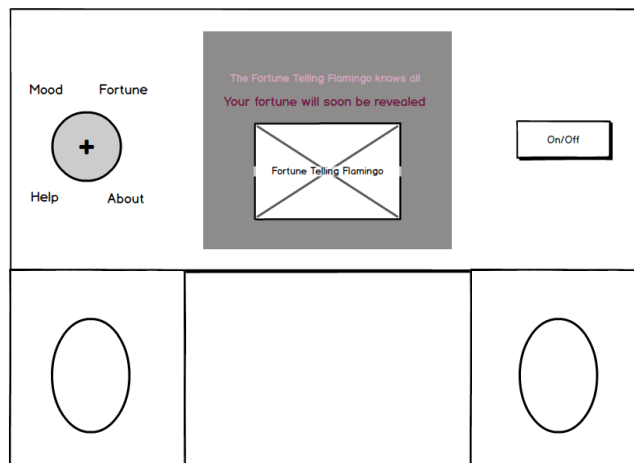
04-Function Development

Wireframe Storyboard

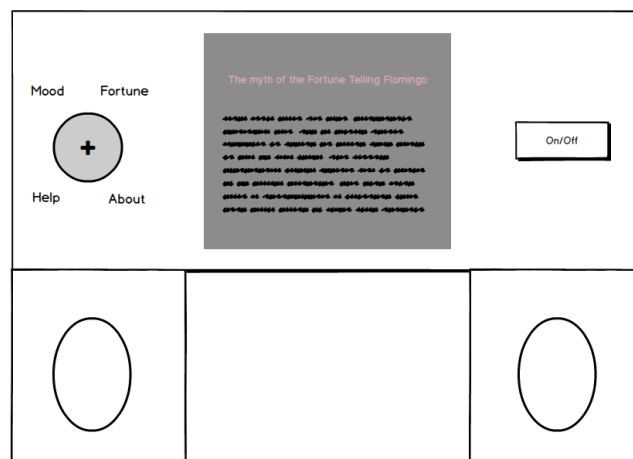
Splash Screen



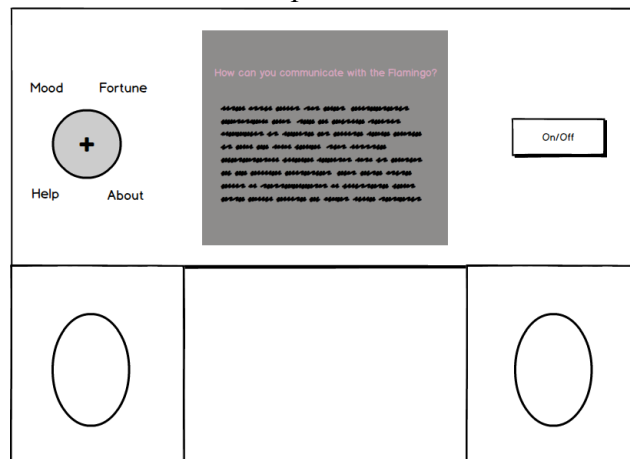
Home Screen



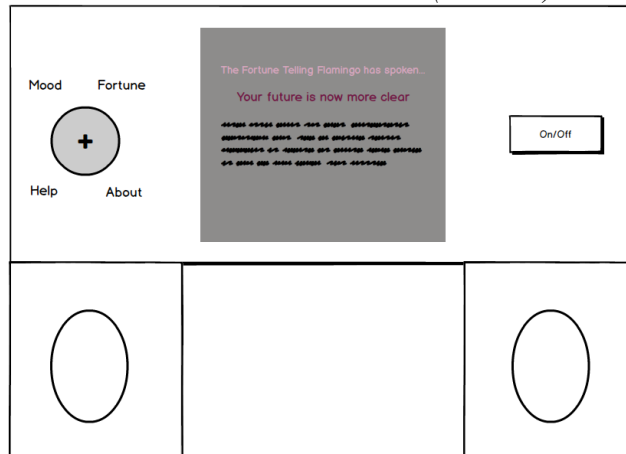
About Screen



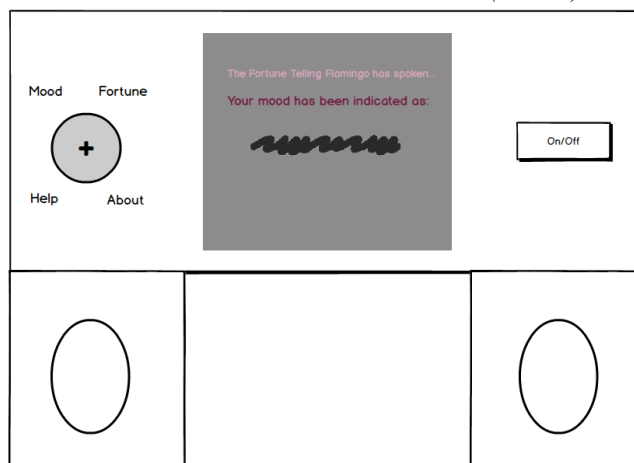
Help Screen



Functional Mode 1 Screen (Fortune)

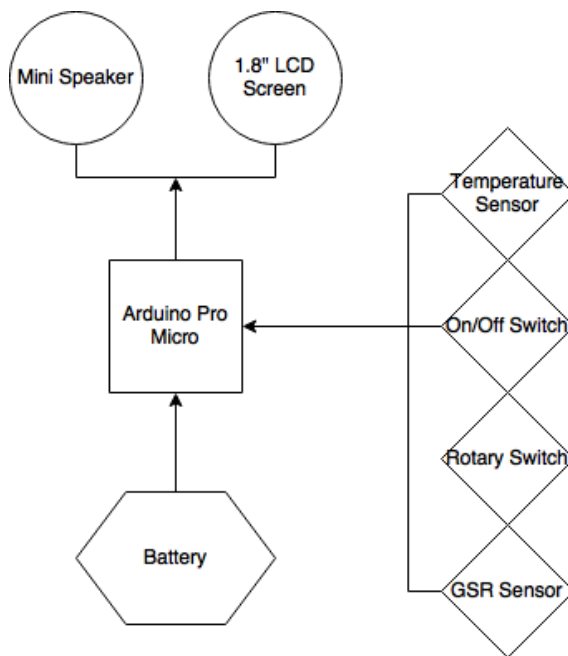


Functional Mode 2 Screen (Mood)



The user will move between screens by way of a rotary switch that physically identifies modes. By moving the switch the user is able to enter the fortune mode, mood mode, about page or the help page. From the home screen, the device takes in the GSR and temperature sensor data to create a fortune/mood and delivers the text on the relevant functional mode screen.

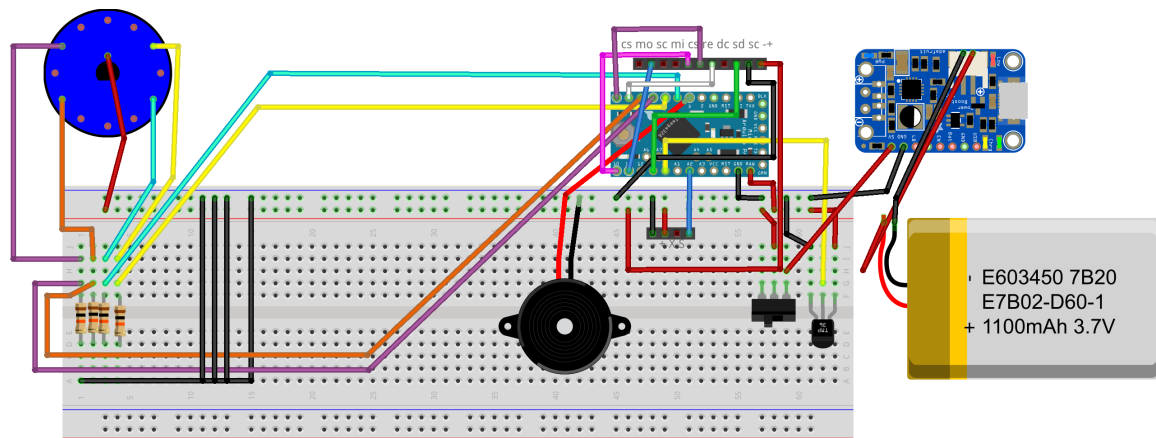
Component Sketch



Bill of Materials

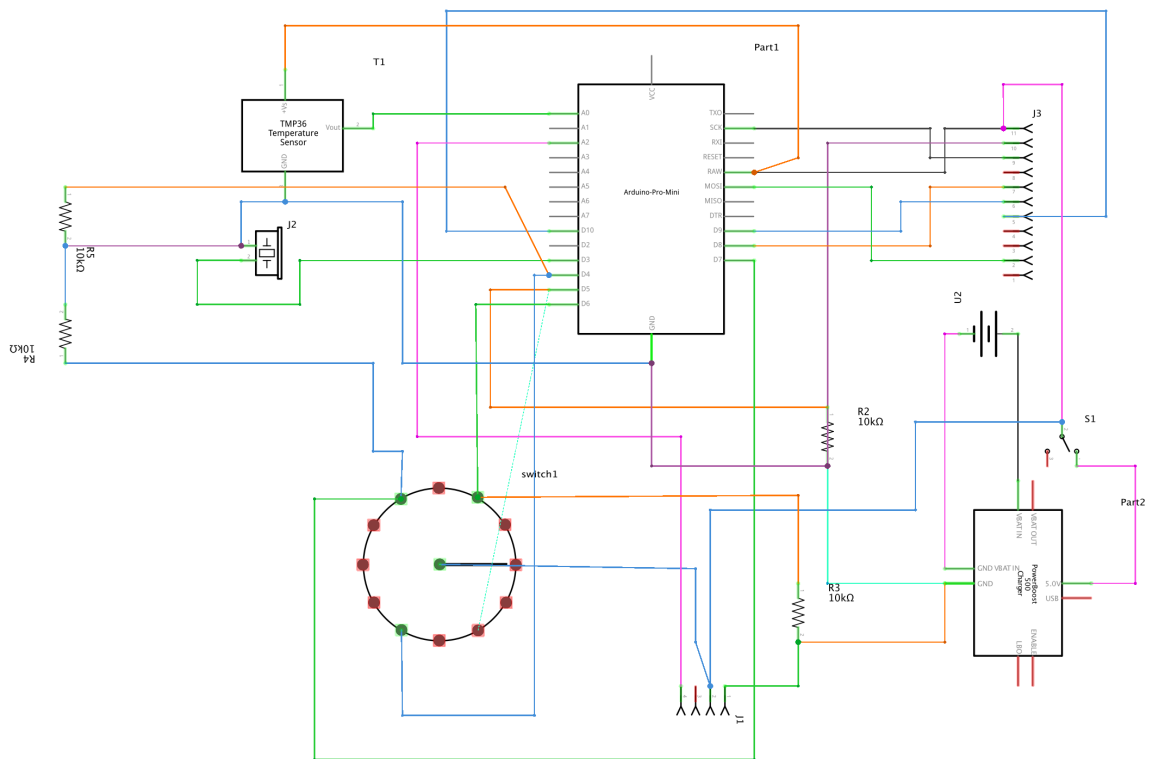
Item	Cost per unit	Units	Total Cost	Purchase URL
Grove-GSR Sensor	\$9.90	1	\$9.90	https://www.seeedstudio.com/Grove-GSR-sensor-p-1614.html
TMP 36-Temp. Sensor	\$1.50	1	\$1.50	https://www.sparkfun.com/products/10988
Rotary Switch	\$1.95	1	\$1.95	https://www.sparkfun.com/products/13253
Toggle Switch	\$1.95	1	\$1.95	https://www.sparkfun.com/products/9276
Arduino Pro Micro	\$19.95	1	\$19.95	https://www.sparkfun.com/products/12640
LCD Screen	\$12.99	1	\$12.99	https://www.sainsmart.com/products/1-8-tft-spi-lcd-screen-with-microsd-socket
Mini Speaker	\$1.95	1	\$1.95	https://www.sparkfun.com/products/7950
Lithium Ion Battery	\$15.96	1	\$15.96	https://www.amazon.com/Battery-Packs-Lithium-Polymer-1200mAh/dp/B00J2QET64/ref=sr_1_1?ie=UTF8&qid=1518546155&sr=8-1&keywords=lipo+battery+adafruit
Power Management Board	\$2.19	1	\$2.19	https://www.ebay.com/itm/WeMos-D1-mini-Single-Lithium-Battery-Charging-Lithium-Battery-Boost-Shi/191990401129?ssPageName=STRK%3AMEBIDX%3AIT&trksid=p2057

Breadboard Model



fritzing

Electronic Schematic



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