### **WASHIATO:** Revolutionizing the laundry experience

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#### **Product Website**

Website can be found at <a href="http://washiato.weebly.com/">http://washiato.weebly.com/</a>

#### **MVP** Exercise

Going into the MVP exercise, we were still deciding between a smart shower and Washiato. When we spoke to people about their showers, we found that many people either didn't have an issue with getting the right temperature, or already had a device that regulates the temperature. Additionally many people adjust the temperature of their shower, and this could not be accomplished without a waterproof phone.

Many more people had complaints about the shared laundry experience. We found that one of the biggest complaints involved people removing laundry from the machines after the cycle. Because the machines do not have any indication of the time that has passed since the cycle has completed, people said that they would set wet laundry on top of the machine immediately if they needed the machine. This can cause awkward situations if the owner of the laundry arrives. Unsurprisingly, we found that another common complaint is that it is impossible to tell which machines are available without walking down to the machines and checking, something that can be frustrating if you bring all your laundry down only to arrive and have no machines open.

After interviewing several people, it became clear that the shared laundry space offered many more opportunities for improvement in the user experience. We soon (super) pivoted to Washiato and began development.

## **Functionality Description**

See product website

# BOM

Description			Supplier	Qty	Part Cost	Total Cost	
1 Washiato							
	LCD So	creen and E	Backlight Circuit				
		LCD Screen		SPDL	1	\$3.00	\$3.00
		2N7000 MOSFET		SPDL	1	\$0.15	\$0.15
		5 row perf board (half)		SPDL	1	\$0.35	\$0.35
		Trim Pot		SPDL	1	\$0.10	\$0.10
	MMA8452Q Accelerometer Breakout		Sparkfun	1	\$9.95	\$9.95	
	HUZZAH ESP8266 Breakout		Adafruit	1	\$9.95	\$9.95	
	GoPro Hero 3 LiPo Battery			Amazon	1	\$5.00	\$5.00
	NFC Tag			Amazon	1	\$1.00	\$1.00
	Washiato Enclosure (grams of PLA)			3D Printed	54	\$0.03	\$1.35
	Really Strong Magnets		Amazon	1	\$4.00	\$4.00	
						Tatal	\$34.85
	Washiato	Washiato  LCD Selection of the selection	Washiato  LCD Screen and E  LCD Screen and E  2N7000 N  5 row per  Trim Pot  MMA8452Q Accele Breakout  HUZZAH ESP8266  GoPro Hero 3 LiPo  NFC Tag  Washiato Enclosure	Washiato  LCD Screen and Backlight Circuit  LCD Screen  2N7000 MOSFET  5 row perf board (half)  Trim Pot  MMA8452Q Accelerometer Breakout  HUZZAH ESP8266 Breakout  GoPro Hero 3 LiPo Battery  NFC Tag  Washiato Enclosure (grams of PLA)	Washiato  LCD Screen and Backlight Circuit  LCD Screen SPDL  2N7000 MOSFET SPDL  5 row perf board (half) SPDL  Trim Pot SPDL  MMA8452Q Accelerometer Breakout Sparkfun  HUZZAH ESP8266 Breakout Adafruit  GoPro Hero 3 LiPo Battery Amazon  NFC Tag Amazon  Washiato Enclosure (grams of PLA)	Washiato         LCD Screen and Backlight Circuit           LCD Screen         SPDL         1           2N7000 MOSFET         SPDL         1           5 row perf board (half)         SPDL         1           Trim Pot         SPDL         1           MMA8452Q Accelerometer Breakout         Sparkfun         1           HUZZAH ESP8266 Breakout         Adafruit         1           GoPro Hero 3 LiPo Battery         Amazon         1           NFC Tag         Amazon         1           Washiato Enclosure (grams of PLA)         Printed         54	Washiato         LCD Screen and Backlight Circuit           LCD Screen         SPDL         1         \$3.00           2N7000 MOSFET         SPDL         1         \$0.15           5 row perf board (half)         SPDL         1         \$0.35           Trim Pot         SPDL         1         \$0.10           MMA8452Q Accelerometer Breakout         Sparkfun         1         \$9.95           HUZZAH ESP8266 Breakout         Adafruit         1         \$9.95           GoPro Hero 3 LiPo Battery         Amazon         1         \$5.00           NFC Tag         Amazon         1         \$1.00           Washiato Enclosure (grams of PLA)         Printed         54         \$0.03