
HARDWARE BUDGET PLAN

BY

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HARDWARE PLAN P1



Below are the hardware budget we would use for our project.

Hardware	Cost per Unit	Units	Total Cost	Buy link	Notes
Yoga Mat	\$5	2	\$10	Link	To indicate a space for interaction
Pillow	\$20.99	1	\$20.99	Link	For comfortable experience
WS2812B RGB	\$31	1	\$31	Link	Main Option for LED lighting
9V Battery	\$4.75	TBD	\$4.75		To power our station
Wood 4'x8' x.75"	\$30	2	\$60	at CINC	For building framework
Clear coat	\$15.98	TBD	\$15.98 or more	Link	To seal against humidity/wear
USB cable (A/B)	\$free	1	\$free	Link	Upload the program you have written on the computer to Arduino

HARDWARE PLAN P2



Below are the hardware budget we would use for our project.

Strip Solderless Connector	\$9.99	1	\$9.99	Link	
Jumper Cables	\$7.65	1	\$7.65	Link	
Hot glue gun	\$free	1	\$free		
Electrical tape	\$free	1	\$free		
ARDUINO UNO R3	\$23	1	\$23	Link	Board for programming LED light
Washers	\$6	2	\$12	Link	
Carriage bolts .5" diameter x 4.5"	\$10	2	\$20	Link	Removable bolts for easy construction and deconstruction

HARDWARE PLAN P3



Below are the hardware budget we would use for our project.

Carriage Bolts 0.5" diameter x 6"	\$18	2	\$40	Link	Removable bolts for easy construction and deconstruction
Nuts .5"	\$18	1	\$18	Link	
Washers	\$6	2	\$13	Link	
LIDAR	\$20	1	\$20	Link	Solder-free version of the VL53L1X
Spacer stock 12" to be cut into .75" spacers	\$5.94	4	\$24	Link	To chop into spacers
Heat Shrink Tubing Kit	\$10	1	\$10	Link	Build Program for Lights

TOTAL:

\$360