

Bill of Matreials											
Project: Lego sorting machine 10A											
Date: 4/29/2019											
Parts on hand											
Item	Name	Description	Qty	Price - each	Total Price	Function	Material	Dimensions	Manufacture	Manufacture #	Internet Link
1	Arduino Kit	UNIROI Complete Arduino Kit	1	\$29.19	\$29.19	Controller	Aluminium/Plastic	5.8 x 2 x 8.3 in	UNIROI	B07D3RZZNN	https://www.amazon.com/UNIROI-Complete-Arduino-Kit/dp/B07D3RZZNN
2	Load Cells	4 pcs 50kg Load Cells and HX711 Combo Pack for arduino	1	\$13.99	\$13.99	Weigh	Aluminium	4.2 x 2.3 x 2.3 in	Degraw	B075Y5R7T7	https://www.amazon.com/Degraw-4-Pcs-50kg-Load-Cells-and-HX711-Combo-Pack-for-Arduino/dp/B075Y5R7T7
3	Hex Spacer	Standoff Screw Nut Assortment Kit	1	\$8.99	\$8.99	Screws	Copper	5 x 0.1 x 4 in	Sutemribor	B075K3QBMX	https://www.amazon.com/Sutemribor-Standoff-Screw-Nut-Assortment-Kit/dp/B075K3QBMX
4	Plastic Sheet	Lexan Sheet - Polycarbonate	1	\$8.85	\$8.85	Base	Plastic	12x12 in	Plastic 2000	6.02939E+11	https://www.amazon.com/Lexan-Sheet-Polycarbonate/dp/6.02939E+11
5	Motor	12V DC 30RPM Gear Motor High Torque	1	\$16.45	\$16.45	Movement	Metal,Electronic	3.9 x 2.4 x 1.6 in	uxcell	B01KTYP21S	https://www.amazon.com/uxcell-12V-DC-30RPM-Gear-Motor-High-Torque/dp/B01KTYP21S
6	Battery	9V non-rechargeable battery	1	\$1.75	\$1.75	power	Metal	26x18x48mm	Energizer	39800019127	https://www.alliedelec.com/product/39800019127
				Total	\$79.22						
	Project Budget	\$500									
	Total spent	\$97.22									
	Remaining	\$402.78									
Parts needed (Future parts)											
Item	Name	Description	Qty	Price - each	Total Price	Function	Material	Dimensions	Manufacture	Manufacture #	Internet Link
1	Motor	12V DC 30RPM Gear Motor High Torque	1	\$16.45	\$16.45	Movement	Metal,Electronic	3.9 x 2.4 x 1.6 in	uxcell	B01KTYP21S	https://www.amazon.com/uxcell-12V-DC-30RPM-Gear-Motor-High-Torque/dp/B01KTYP21S/ref=sr_1_7?ke
2	Motor speed controller	DC Motor Speed Controller 9-60V Forward/Reverse	1	\$12.99	\$12.99	controller	Electronic	92x52x36mm	DZS	MO-9T60V20A	https://www.amazon.com/DZS-Elec
3	rubber	12" Bicycle Tube	1	\$2.99	\$2.99	transport	rubber	12 x 2.2 in	goodyear	91073	https://www.walmart.com/ip/Good
4	linear actuator	12V 6 Inch Stroke Linear Actuator	1	\$52.99	\$52.99	move	Aluminum	6 in	ECO-WORTHY	7.99442E+11	https://www.amazon.com/ECO-WO
5	linear actuator	Linear Actuator 12" Stroke DC 12V	1	\$63.98	\$63.89	move	Aluminum	12 in	ECO-WORTHY	B00P2BYT3G	https://www.amazon.com/dp/B00P
6	Load Cell	5kg Load Cell and HX711 Combo Pack Kit	1	\$12.99	\$12.99	Weigh	Aluminium	3.4 x 2.4 x 0.8 in	Degraw	B075317R45	https://www.amazon.com/Degraw-
				Total	\$162.30						