

Project Title:		Obstruction Detecting Hat				
Created By:		Rakhshan Wahab				
Date Created:		10 August 2022				
BILL OF MATERIALS						
No.	Description of item	Supplier (include hyperlink to the item in website of seller)	Quantity	Quantity unit	Unit price	Total Cost
1	HC-SR04 ultrasonic sensor	<a href="https://shopee.sg/Ultrasonic-c-sensor-HC-SR04-HCSR04-to-world-Ultrasonic-Wave-Detector-Ranging-Module-HC-SR04-HCSR04-Distance-Sensor-For-Arduino-i.321673055.9747784060?sp_atk=aa402e9f-c821-409e-ba83-dc481f00f862&amp;xptdk=aa402e9f-c821-409e-ba83-dc481f00f862">https://shopee.sg/Ultrasonic-c-sensor-HC-SR04-HCSR04-to-world-Ultrasonic-Wave-Detector-Ranging-Module-HC-SR04-HCSR04-Distance-Sensor-For-Arduino-i.321673055.9747784060?sp_atk=aa402e9f-c821-409e-ba83-dc481f00f862&amp;xptdk=aa402e9f-c821-409e-ba83-dc481f00f862</a>	1	Per Piece	\$3.10	\$3.10
2	Vibration Motor	<a href="https://shopee.sg/TZT-10x-DC-3V-70mA-12000-RPM-For-Phone-Coin-Flat-Vibrating-Vibration-Motor-Vibration-Motor-G08-1027-i.240782317.15534359439?sp_atk=b5db43a1-f5c8-4655-9edc-23a299568ea2&amp;xptdk=b5db43a1-f5c8-4655-9edc-23a299568ea2">https://shopee.sg/TZT-10x-DC-3V-70mA-12000-RPM-For-Phone-Coin-Flat-Vibrating-Vibration-Motor-Vibration-Motor-G08-1027-i.240782317.15534359439?sp_atk=b5db43a1-f5c8-4655-9edc-23a299568ea2&amp;xptdk=b5db43a1-f5c8-4655-9edc-23a299568ea2</a>	1	Per 10	\$3.93	0.393
3	Arduino NANO		1	Per Piece	\$6.50	\$6.50
4	Hat	<a href="https://shopee.sg/Korean-Letter-Embroidery-Cotton-Baseball-Cap-Men-and-Women-Soft-Caps-i.106659710.13329666980?sp_atk=b6645d32-fdb8-42bb-b286-a1dc912980ac&amp;xptdk=b6645d32-fdb8-42bb-b286-a1dc912980ac">https://shopee.sg/Korean-Letter-Embroidery-Cotton-Baseball-Cap-Men-and-Women-Soft-Caps-i.106659710.13329666980?sp_atk=b6645d32-fdb8-42bb-b286-a1dc912980ac&amp;xptdk=b6645d32-fdb8-42bb-b286-a1dc912980ac</a>	1	Per Piece	\$4.15	\$4.15
5	A5 3mm Acrylic Sheet	<a href="https://shopee.sg/-SG-SELER-3mm-Acrylic-Sheet-Perspex-Sheet-Clear-Acrylic-Sheets-i.114004193.8764158394?sp_atk=abd9adcc-47b3-4e62-b73d-baf0c9017991&amp;xptdk=abd9adcc-47b3-4e62-b73d-baf0c9017991">https://shopee.sg/-SG-SELER-3mm-Acrylic-Sheet-Perspex-Sheet-Clear-Acrylic-Sheets-i.114004193.8764158394?sp_atk=abd9adcc-47b3-4e62-b73d-baf0c9017991&amp;xptdk=abd9adcc-47b3-4e62-b73d-baf0c9017991</a>	1	Per Piece	\$6	\$6
6	Cloth Tape	<a href="https://shopee.sg/Cloth-Tape-Duct-Tape-48mm-(2-)-i.277102416.9166913735?sp_atk=510c286e-b5dd-432d-be2f-2d1911e7c9a2&amp;xptdk=510c286e-b5dd-432d-be2f-2d1911e7c9a2">https://shopee.sg/Cloth-Tape-Duct-Tape-48mm-(2-)-i.277102416.9166913735?sp_atk=510c286e-b5dd-432d-be2f-2d1911e7c9a2&amp;xptdk=510c286e-b5dd-432d-be2f-2d1911e7c9a2</a>	1	Per Piece	\$3.90	\$3.90
6	3v button cell batteries	<a href="https://shopee.sg/Maxell-CR2025-Made-In-Japan-3V-CR-2025-Lithium-Button-Cell-Battery-(Singapore-Local-Stock)-i.190921320.4335002998?sp_atk=ed8f4480-8253-415c-bc68-4bf60513400a&amp;xptdk=ed8f4480-8253-415c-bc68-4bf60513400a">https://shopee.sg/Maxell-CR2025-Made-In-Japan-3V-CR-2025-Lithium-Button-Cell-Battery-(Singapore-Local-Stock)-i.190921320.4335002998?sp_atk=ed8f4480-8253-415c-bc68-4bf60513400a&amp;xptdk=ed8f4480-8253-415c-bc68-4bf60513400a</a>	4	Per 5 pieces	\$5.98	\$4.784

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7	3v Cell battery case	<a href="https://shopee.sg/(Winds)-5Pcs-Diy-3V-Button-Coin-Cell-Battery-Holder-Case-Box-With-On-Off-Switch-Cr2032-i.275622815.6843506313?sp_atk=96385736-0690-40c2-bd4a-597f21cbc29c&amp;xptdk=96385736-0690-40c2-bd4a-597f21cbc29c">https://shopee.sg/(Winds)-5Pcs-Diy-3V-Button-Coin-Cell-Battery-Holder-Case-Box-With-On-Off-Switch-Cr2032-i.275622815.6843506313?sp_atk=96385736-0690-40c2-bd4a-597f21cbc29c&amp;xptdk=96385736-0690-40c2-bd4a-597f21cbc29c</a>	2	Per piece	\$1.94	\$3.88
Grand Total:						\$32.707