

Component	Usage	Quantity	Name	Link	Price	Total Price	Provided
LED matrices x 2	Eyes of the robot	1	MAX7219 LED matrix	https://www.amazon.it/Youmile-DR-YM-309-P/dp/B091G285YC?th=1	9,69	9,69	
Ultrasonic sensor	detects the presence of a water bottle	1	HC-SR04	https://www.aliexpress.com/item/1005005861340356.html?randl_currency=GBP&https://www.amazon.it/Sensore-movimento-HC-SR501-Arduino-Compatibile/do/B06Y45https://it.aliexpress.com/item/1005005338106813.html	0,5	0,5	PROVIDED
PIR Motion sensor (Passive Infrared)	detects people	1	HC-SR501	https://www.amazon.it/Sensore-movimento-HC-SR501-Arduino-Compatibile/do/B06Y45https://it.aliexpress.com/item/1005005338106813.html	2,8	2,8	
Potentiometer	set the water level	1	B1M	https://it.aliexpress.com/item/1005005338106813.html	0,8	0,8	PROVIDED
Servo motors	penguin wings	3	MG996R	https://www.aliexpress.com/item/1005006125750412.html?	2,5	7,5	PROVIDED
Water pump	pumps water	1	SEAFLO pompa 12V 4.3LMP	https://www.amazon.it/Seaflo-Pompa-impianto-idrico-12V/dp/B01MTNBHPT/ref=mp_s_a_1_3_mod_p	25,9	25,9	
Flow sensor	to compute erogated water	1	YF-S402	https://www.ziotester.it/elettronica/sensori/yf-s402c-flussometro-sensore-flusso-acqua-g3-8-0-3-10l-min.html	17,9	17,9	
Display	info screen: global stats, user stats and ranking	1	MPI3508	https://www.amazon.it/Padarsey-Raspberry-Generazione-pollice-Supporto/dp/B07TD4HTXL/?_encoding=UTF8&pd_rd_w	29,29	29,29	
Micro sd card reader	to read animations from sd card	1	MicroSD Card Adapter	https://www.amazon.it/adattatore-letto-interfaccia-conversione-Arduino/dp/B07ZQ32476/ref=asc_df_B07ZQ324	6,8	6,8	
Micro sd card	system memory for storing data	1	MicroSD Card	https://www.amazon.it/schede-Micro-SD-adattatore-MicroSD/dp/B07SLJ65KJ/ref=sr_1_2_sspa?https://www.amazon.it/Arduino-Mega-2560-Rev3	5	5	PROVIDED
Arduino mega		1	ARDUINO MEGA 2560	https://www.amazon.it/Arduino-Mega-2560-Rev3	25	25	PROVIDED

Raspberry pi 3		1	RASPBERRY PI 3	https://www.reichelt.com/it/it/raspberry-pi-3	34,8	34,8	PROVIDED
ON-OFF switch	of power supply	1	ON/OFF Switch DC 12V 20A LED	https://www.amazon.it/dp/B08FLHHT11/ref=s_spa_dk_deta	1	1	PROVIDED
Touch sensor	petting interaction	1	-----	-----	0	0	CRAFTED
Jump wires pack	wiring	1	Jumper Wires M-M, F-M, F-F	https://it.aliexpress.com/item/1005005150438960.html?src=google	2,6	2,6	
DC-DC Step-down module	from 12V to 5V	4	LM2596	https://www.temu.com/ul/ku	1,7	6,8	PROVIDED
RFID sensor (nfc)	to identify current user	1	RFID-RC522	https://www.amazon.it/dp/	6	6	PROVIDED
Power supply		1	SUCIKORIO trasformatore 12V 100W	https://www.amazon.it/gp/product/B0CLCDD1XK/ref=ox_sc_act_title_1?smid=AY1VSGT2ZC955&th=1	16,99	16,99	
Relay	to turn on and off the pump	1	2 Channels Relay Module High/Low Level Trigger	https://www.amazon.it/Channel-Optoaccoppiatore-supporto-liv	3	3	PROVIDED
Water pipes	idraulic net	1	10mm	bought in physical shop	3	3	
Pipe connectors	idraulic net	1	portagomma 10mm	bought in physical shop	21	21	
Water nozzle	idraulic net	1	portagomma 10mm	bought in physical shop	3	3	
					0	0	
						0	
					0	0	
3D printed structure	structure	1	28,75	115	0	365	
			25	100			
			37,5	150			
				365			
						594,37	