

El		13
	Meeting #9(2/20/23)-8:00 AM-9:30 AM	
	- Worked on finding parts to buy	
	- Determine motors to use	
	- Determine type of 30 printing material to	
	use white	
	- Design Components	
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Meeting #10 (2/22/23) - 8:00 AM - 10:05 AM Of Finalize budget M Order parts Meeting Notes aver a more many absorbed to 1 - Can cut housings in half to double Container amounts. - Have device take in multiple orders Lo Optimize rolation to minimize distance traveled. - Adjust spin dispenser depending on spice La DIFF. Spices are more potent than others, ant will Vary.

Meeting #11(2/25/23)-10:00 AM-10:31 AM Notes: Meeting moved to Saturday due to time Conflicts. All parts will arrive Monday except turn table is ordered a different one Sprint 2 Starts* Will get HDMI - micro HDMI from Carlos after meeting Will get Avolution from Caleb on Monday Begin physically Connecting Pi & Arduino when possible Frontend UI will be Java Swing or JavaFx 3D modeling will begin with La becomes easier when parts arrive

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Meeting #13(3/3/23) - 1:35 PM - 1:55 PM	
U	
L298N DC Motor Implementation:	
-2 Means of Control	
L> Pulse width Modulation (PWM) for Control Speed	
L) H-Bridge for Spinning direction	
-PWM	
La Average Voltage Supplied & motor speed.	
La Average voltage = width of pulses = duty Cycle.	
-H-Bridge	
La Direction Controlled by polarity of input voltage	
- Pings & a was down over yours makes they were all	
L. Vcc Powers H-Bridge (5V-12V)	
Lo +5V powers logic circuitry (5V-7V)	
Lout 1 & 2 for motor 1, out 3 & 4 for motor 2	
Ly IN pins Control Motor votation. (0,0), (1,1) = OFF, (1,0) = Forwar	d
(OID = Backward 2 com a second second	
13 Only power Vcc when regulator is on. (Automatically	
 Sands power to +5V pin.)	
LO ENA & ENB Controls motor speed. (0,0) = OFF, (1,1) = 0	N
La To Control Speed with Code, remove jumpers & Connect to	
Andrino PWM-enable pins. Otherwise, default to OFF o	
Max speed.	
La # Might need stronger Voltage Suppy.	

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Meeting #14 (3/8/23) - 8:00 AM-10:00 AM
Meeting Notes:
- Utilize pin system to voute wives to a central
hub.
DElectrical approach instead of the premary proposed idea which was more mechanical.
4 Ensure Connection lines don't intersect, Will Course
- Find a way to measure spice levels on the software side.
La How will website know how much spice is left for
-Simpler design by having notors in all housings
- Will need more power to system.
La Motors furn too slad.
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19 Meeting #15 (3/20/23) - 9:30 AM-11:00 AM Goals O Discuss progress over break & Begin CDR Notes: - Tried a 9V battery Supply instead of 5V. L> Motor spins much faster - probably too fast L> Will either reduce Voltage by powering more Components, use resistors, or Control Speed via ENA & ENB with software. - Updated design La Containers for spice will be Fiesta brand Spice bottles Lach housing will have its own distribution motor instead of a single motor system. La Bearing gear will be broken into 4 idential Sections to 30 privit properly. Ly Updated budget includes more motors & solder La Frontend UI will use a database for recipes to remove need for a keyboard. Notebook Check #2