			Total Price =	348.76		

Arudino Uno R3 Music Visualizer

this is before taxes and delivery fees

feel free to look for alternative options if possible!

	Part	Price (total)	Price (per unit)	Quantity	Link	Notes
✅	Elegoo Uno R3	239.85	15.99	15	Amazon.com: EL	We already have some, so order enough to add up to 20
✅	Female To Male (dupont) solderless wires	14.98	7.49	2	Amazon.com: EC	9 total wires are used per person. Assuming 20 makes 180 wires.Please make sure to pick the correct option when ordering. Feel free to chagne the size but make it relatively short.
☐	9v battery (optional)	21.98	21.98	1	Amazon.com: PK	Optional, only useful if we want to go a portable route
☐	Battery Buckle with Adapter (optional)	27.96	6.99	4	Amazon.com: Ha	Buying 4 would give us more than needed, possibly look at alternatives
✅	Sound Sensor (KY-038)	29.97	9.99	3	Coliao 8pcs Micr	Make sure to adjust sensitivity when using
✅	8x8 LED Matrix (max7219)	63.96	15.99	4	Amazon.com: DI	These come with their own wires so MAYBE we don't need to order as many FTM wires

Note: The sound sensor needs 4 wires and the LED matrix needs 5. That being said, the link to buy the matrixes come with their respective wires and as a result, 100 less wires would be needed. Therefore, if you want, buy one unit of the **Female To Male (dupont) solderless wires** instead of two if you want. I am only somewhat hesistant since the picture looks some what weird and those wires can go a long ways away for SHPE in the future anyways.