Table 2 - Bill of Materials Table

|  |  |  |  |
| --- | --- | --- | --- |
| Part Name | Quantity | Price (per individual item) | Link |
| Gearbox Motor (or something similar) | 6 | ~5.83 | https://robokits.co.in/motors/30rpm-metal-gearbox-motor?cPath=2\_3& |
| Qunqi L298N Motor Drive Controller Board Module Dual H Bridge DC Stepper For Arduino (H Bridge) | 6 | $6.89 | <https://www.amazon.com/dp/B014KMHSW6/ref=asc_df_B014KMHSW65323210/?tag=hyprod-20&creative=395033&creativeASIN=B014KMHSW6&linkCode=df0&hvadid=167139094796&hvpos=1o1&hvnetw=g&hvrand=4606900252105022664&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9033309&hvtargid=pla-306436938191> |
| Arduino Uno REV3 | 1 | $22.00 | <https://store.arduino.cc/usa/arduino-uno-rev3> |
| Arduino Uno Shield Terminal | 1 | $14.95 | <https://www.adafruit.com/product/196> |
| Springs | 6 | $1.30 | <http://www.centuryspring.com/extension-spring-5986.html?matchtype=&network=g&device=c&adposition=1o1&keyword=&gclid=EAIaIQobChMIkO6y5fjg2AIV0V5-Ch1hCwBBEAQYASABEgJ15fD_BwE> |
| 6 sq. ft. birch 3-ply | 2 | $0.63 | <https://woodcrafter.com/plywood-squares/?gclid=EAIaIQobChMI2bL2rfjg2AIVUYJ-Ch0L9gHZEAYYASABEgJ7EvD_BwE> |
| 5" Wheel (4-pack) | 6 wheels | $5 per wheel | <https://www.vexrobotics.com/edr-wheels.html> |
| 12 Volt battery | 1 | $20 | https://www.google.com/shopping/product/8734525288015090628?lsf=seller:1221574,store:14014099157399252682&prds=oid:16521898599169375518&q=12+volt+battery&hl=en&ei=y7trWqniO4K2jwOLpJzwDw&lsft=ref:212,loc:1&lsft=gclid:Cj0KCQiAwKvTBRC2ARIsAL0Dgk14oLNiVGxuOJuLvlef2p6x44mD-dyN\_Z8Voc53cXyUgqYMmJ4XHVUaAu2eEALw\_wcB |
| Spool of 3D printing filament | 1 | $22.74 | <https://www.matterhackers.com/store/l/thriftymake-black-pla-filament-1.75mm/sk/MNEGU7WQ?rcode=GAT9HR&gclid=EAIaIQobChMI-IqQh_rg2AIVkmF-Ch22MwQdEAQYAyABEgLfg_D_BwE> |
| Bluetooth Receiver | 1 | $6.95 | <https://www.alliedelec.com/adafruit-industries-1501/70460944/?mkwid=s&pcrid=239091839680&gclid=CjwKCAiAqIHTBRAVEiwA6TgJw3TcKmei6xt2cPPsmvP7wK55IBBshWtDZUJXBjYtVvPQo6RuGNCwSxoCd70QAvD_BwE> |
| Accelerometer | 1 | $9.95 | https://www.sparkfun.com/products/12786?\_ga=2.167625022.1068696171.1516262647-508659819.1515111507 |