

| BOM (Bill of Materials)           | Unit Cost \$ | # of Units | Total \$ | Exact or estimated? |
|-----------------------------------|--------------|------------|----------|---------------------|
| Adalogger microprocessor          | \$ 19.95     | 2          | \$ 39.90 | Exact               |
| BNO055                            | \$ 34.00     | 2          | \$ 68.00 | Exact               |
| Adafruit GPS module               | \$ 39.00     | 1          | \$ 39.00 | Exact               |
| CR1220 Coin Battery               | \$ 0.95      | 1          | \$ 0.95  | Exact               |
| Microcontroller battery           | \$ 9.00      | 1          | \$ 9.00  | Exact               |
| Wire, 22AWG                       | <\$1         |            | \$ 1.00  | Estimated           |
| Solder                            | <\$1         |            | \$ 1.00  | Estimated           |
| Heatshrink                        | <\$1         |            | \$ 1.00  | Estimated           |
| 4GB SD card                       | \$ 5.00      | 1          | \$ 5.00  | Exact               |
| Acrylic                           | <\$1         | 1          | \$ 1.00  | Estimated           |
| Potentiometer                     | <\$1         | 1          | \$ 1.00  | Estimated           |
| Zoskay Hi torque waterproof Servo | \$ 24.95     | 2          | \$ 49.90 | Exact               |
| Breadboard                        | \$ 5.95      | 1          | \$ 5.95  | Exact               |
| Aluminium                         | <\$1         |            | \$ 1.00  | Estimated           |
| Servo Battery                     | \$ 20.00     | 1          | \$ 20.00 | Exact               |
| Servo battery charger             | \$ 10.00     | 1          | \$ 10.00 | Exact               |
| Miscellaneous hardware            | <\$5         | 1          | \$ 5.00  | Estimated           |
| Sum                               | \$ 258.70    |            |          |                     |

|   | Total \$  | Exact or estimated? |
|---|-----------|---------------------|
| Total Development cost: everything that was spent | \$ 300.00 | Estimated           |
| What is the minimum cost to make one prototype of | \$ 150.00 | Estimated           |
| Total cost of items purchased through the Active  | \$ 150.00 | Estimated           |
| Total cost covered by the Harvard Research        | \$ -      | Exact               |
| Total cost of items purchase personally, if any   | \$ 150.00 | Estimated           |
| Total cost covered by a non-Harvard lab and/or    | \$ -      | Exact               |

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| Please list below all material used in ALL |
| Aluminium stock                            |
| Acrylic                                    |
| Various Hardware                           |