Battleship Bill of Materials

Circuitry:

Adafruit:

- Blue Arcade Button – 30mm (PID:476): $5.95
- Red Arcade Button – 30mm (PID:473): $5.95 (x2)
- White Arcade Button – 30mm (PID:471): $5.95 (x2)
- Small Arcade Joystick (PID:480): $14.95 (x2)
- Arcade Button Quick-Connect Wire Pairs – 0.11" (PID:1152): $4.95
- Premium Female/Female Jumper Wires – 20 x 6" (PID:1950): $1.95
- Premium Male/Male Jumper Wires – 20 x 6" (PID:1957): $1.95

Other:

- CSC Beginning-of-Year Kit: $190.00 (x2)
  - Includes resistors, Raspberry Pi's, Breadboards, etc.
- Male-to-Male 3.5mm Aux Cable: $3.00 (x2)
- Male-to-Dual-Female 3.5mm Aux Cable: $3.00
- Speaker with Aux input: ~$20.00 (cost will vary)
- 3-Outlet Extension Cord: $7.19 (x2)
- USB-A Male to USB-C Male Cable: $6.00
- Apple 5W USB Power Adapter: $19.97

Casing Components:

Lowe's:

- Gorilla Wood Glue: $5.98
- Mounting Tape: $14.96
- Stain/Paint Rag: $3.98
- #4-40 x ½" Screws w/ Nuts (14-count): $1.28 (x2)
- Wood Stain: $13.98
- Paint Can Opener: $0.58
- Stain Brush: $9.98
- Disposable Stain Tray: $2.48

Other:

- Laser Cut Boxes (Prototyping Lab): $7.68
- 3D-Printed 2" Speaker Grills: $1.50 (x4)
- Laser Cut Battleship Nameplate w/ Mount: $5.00
- White Acrylic Paint: $2.00
- Thin Paint Brush Kit: $4.00

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Software:

Coding:

- Python 3.7.3: $0.00
  - Includes Python IDLE
- Python Libraries: $0.00
  - Pygame
  - Tkinter
  - RPi.GPIO
  - Time
  - Random

Other:

- FL Studio (DAW): $199.00
- Microsoft Paint: $0.00

Total Cost:

$796.03