

Project Evaluation

Laser Controller Mouse

Customer Needs

- Two Buttons
- Adjustable Buttons for Left-handed people
- Scroll Wheel
- No wires
- Low Voltage
- **USB/FIREWIRE**
- **CHEAP**
- **AND CHEAP**

DESIGN #1

- Right-handed mouse
- 2 buttons
- Wired to USB
- No software adjustments
- Manufacturing cost \$2
- Uses 1 x 1.5 voltage AAA

DESIGN #2

- Right-or left-handed mouse
- 2 buttons
- Proprietary transmission to USB connector
- No software adjustments
- Manufacturing cost \$5
- Uses 2 x 1.5 voltage AAA

DESIGN #3

- Right-or left-handed mouse
- 2 buttons
- Proprietary transmission to USB connector
- Software adjustments
- Manufacturing cost \$15
- Uses 2 x 1.5 voltage AAAA

Linear Evaluation

Customer Needs	Design #1	Design #2	Design #3
•Two Buttons	10	10	10
•Adjustable Buttons for Left-handed people	0	5	10
•Scroll Wheel	10	10	10
•No wires	0	10	10
•Low Voltage	10	7.5	5
•USB/FIREWIRE	0	5	5
•CHEAP	10	7.5	5
TOTALS	40	55	55

Weighted Evaluation

Customer Needs	Weight	Design #1	Design #2	Design #3
•Two Buttons	1	10	10	10
•Adjustable Buttons for Left-handed people	5	0	5	10
•Scroll Wheel	1	10	10	10
•No wires	5	0	10	10
•Low Voltage	5	10	7.5	5
•USB/FIREWIRE	2.5	0	5	5
•CHEAP	10	10	7.5	5
TOTALS		170	220	207.5