Product Development

Team 1
Locations considered

Hospitals
• Locations usually require sterile or very clean instruments
• Lots of movement/people moving in and out of a room (waiting room, surgery, examination room, bathrooms, etc.)
• Possible products could include; examination equipment, sterilizing equipment, etc.
Locations

Schools

• Locations have numerous high traffic areas; hallways, classrooms, counseling offices etc.
• Products would either help productivity or organization in some way.
• Wide range of consumers, from ages 5-25. therefore products must cover a wide range of needs.
Locations

**Offices**

- Lower traffic areas than schools or hospitals. Employees usually stay at a desk for hours at a time.
- The amount of products that can be applied here are more numerous than other locations.
- Products used to increase efficiency and/or comfort.
Locations

Criteria evaluated for product locations

- **Purpose**-to improve efficiency or comfort
- **Normal conditions**-low ceilings, lots of movement, lots of people
- Low DC voltage, Innovative, value, available technology, Industry to bring to market, safety
Advantages of DC

• Safer than AC
• Easier to transmit
• Simpler to use

Disadvantages of DC

• Lower power
• Must be converted from AC
Possible ideas considered and why

- Security Camera
- Air purifier
- Fan
- Extension cords from ceiling
- Wireless energy transfer
- Speakers (sound laser)
Overview of chosen project

Bladeless fan

• Based off of design by Dyson™
• Fan hung from DC power rails
• 40 watts of DC power needed
• Easily controlled by remote
• Quieter and more visually attractive than a conventional fan
## Selection Criteria

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