Sketch Model Review
Blue A

Smooth Talker

Passenger

Bag Be Gone

Other Plastic Bags
SMOOTH TALKER
Users

515,000 children in America with ASD who communicate verbally
Design

Microphone

Fastening Magnet

Front

Side

Back
## Comparable Products

<table>
<thead>
<tr>
<th></th>
<th>Smooth Talker</th>
<th>Homemade Volume Meter</th>
<th>Voice Meter App</th>
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<tbody>
<tr>
<td>Autonomy</td>
<td>+</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Discreteness</td>
<td>+</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Accuracy</td>
<td>0</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Cost</td>
<td>-</td>
<td>+</td>
<td>0</td>
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</tbody>
</table>
Inside Smooth Talker

- Electret Microphone Amplifier
- Alert LEDs
- Arduino Nano
Demo
Demo
Looking Forward

- Expand current operational range
- Further research into user needs with user testing
- Expand potential user base
- Refine industrial design of wearable