
Sketch Model Review

Orange Team Section B

32-123

October 5, 2006

7pm

One-Handed Scrubber

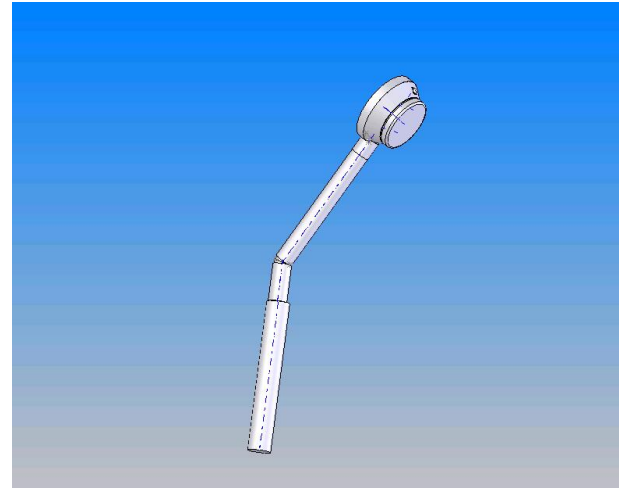
Essential Attributes

■ Dispenser

- ❑ Needs only one hand

■ Scrubber

- ❑ Adjustable lengths
- ❑ Retractable head
- ❑ Handle with button for retracting
- ❑ Releases own soap
- ❑ Angled arm to allow for strain free movements
- ❑ Changeable heads



Customers in Need

- Elderly
 - Stroke victims
 - Wheelchair-bound
 - Paraplegic
 - Amputees
 - Cerebral Palsy patients – various muscle control issues
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Lessons Learned

- Kinematics
- Limitations of current commercial products
- One size does not fit all



Future Questions to Address

- Weight
 - Stiffness yet flexibility
 - Extendibility
 - Shaping
 - Motor skill limitation for dispensing
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