

4-2023

EZ Reach from Cabinets

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Recommended Citation

Konowal, OTS, Dabrina; Schlechtweg, OTS, Michelle; and Beenders, IDS, Ryan, "EZ Reach from Cabinets" (2023). *Program of Industrial Design Posters*. 4.
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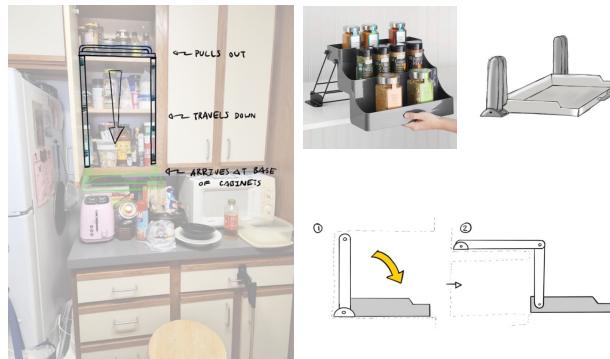
EZ Reach from Cabinets

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Meet the Client

- Ms. R lives in a senior independent living apartment
- She loves to cook, but her **arthritis** is making it difficult for her to reach top shelves of her cabinets.
- Ms. R has some items she uses more often than others and would love for it to be easier for her to grab her cooking oils and flours that she uses for special cooking projects so much easier.
- With her arthritis reaching over head is too much, and her knees cannot tolerate a step stool.

Initial Sketches and Points of Reference



Final Mock-Up

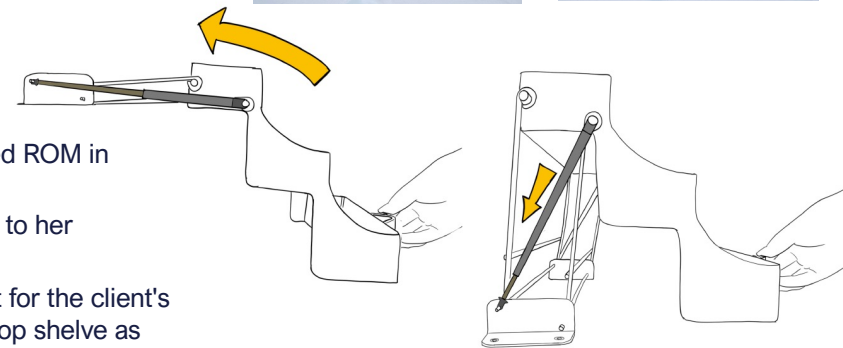


Intradisciplinary Collaboration

- This project will utilize the skills of occupational therapy and industrial design to enable functional adaptation to increase our client's quality of life and promote engagement in an occupation that she enjoys.

Design Thought Process

- Thinking about inability and limited ROM in shoulders
- Keeping her kitchen environment to her preference
- Modifying current kitchen cabinet for the client's ability to obtain objects from the top shelf as needed during meal preparation



Gas Spring Helping Lift Up

Universal Design

- Multiple aspects of universal design were incorporated during the thought process
 - Principle 1 : Equitable use
 - Principle 2: Flexibility in use
 - Principle 3: Simple and Intuitive Use
 - Principle 6: Low physical effort

(Steinfeld & Maisel, 2012)

References:
 Steinfeld, & Maisel. (2012). *What is universal design?*
 Center for Inclusive Design and Environmental Access University at Buffalo. <http://idea.ap.buffalo.edu/about/universal-design/>

