



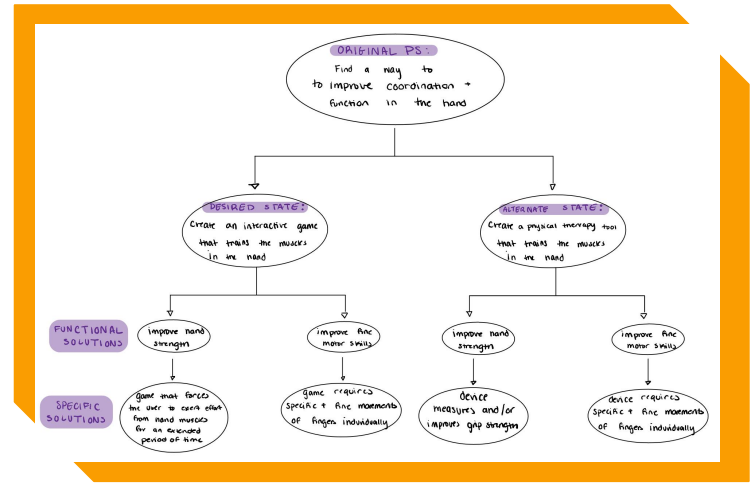
The word "DEXii" is rendered in a playful, hand-drawn style. The letters "D", "E", and "X" are light blue with thick dark blue outlines. The "i"s are also light blue with dark blue outlines, but each has a yellow circle above it containing a dark blue symbol resembling a stylized "H" or a pair of glasses. The entire word is framed by a large, flowing pink and orange swoosh that starts on the left, goes over the top, and ends on the right.

**Anjali George, Chaimaa Assli,
Dominick Doyle, and Megan Anderson**



PROBLEM DEFINITION

A device that can help improve coordination, strength, and overall function of the hand



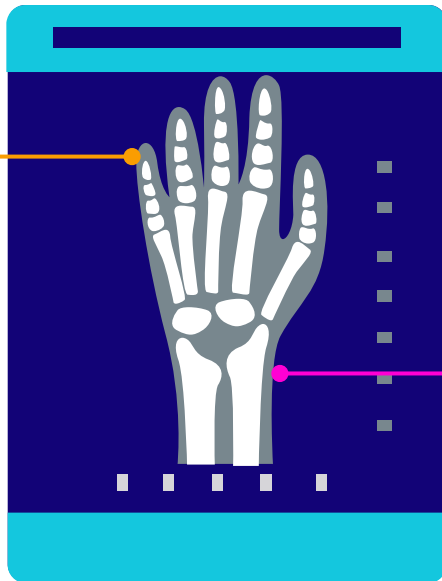
	Is	Is Not	Distinction	Possible Cause
What	Inefficient or under-performing hand function	Specific to one singular function of the hand	Versatility and range of needs and of applications	Dysfunction related to strength, coordination, dexterity, etc.
Where	In the hand and forearm	Specific to any one set of muscles, tendons, or joints in the hand or arm	The broadness of what anatomical areas must be addressed	The different parts of one's hand and arm work together, so dysfunction in one affects the function of all
When	Any age group or population that requires improvement in hand function; could be expanded to all people	Confined to one population, age group, etc.	Versatility and range of needs and of applications	Since hand function is vital to day-to-day life, 'dysfunction' can range in severity and affect many populations
Extent	Can vary in extent based on an individual's situation (ie. injury, the general decline in function, etc.)	Specific to one type of injury or dysfunction	Versatility and range of needs and of applications	Dysfunction can be caused by a range of conditions and can thus vary in severity

TECHNICAL BACKGROUND



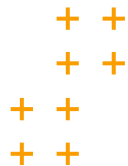
WHY

The research we did supports the idea that devices that force you to use the muscles in your hand are beneficial.

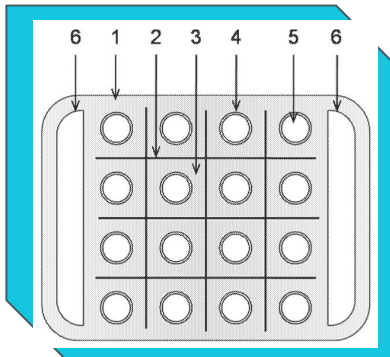
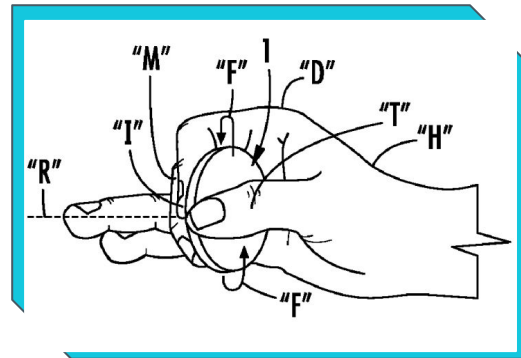
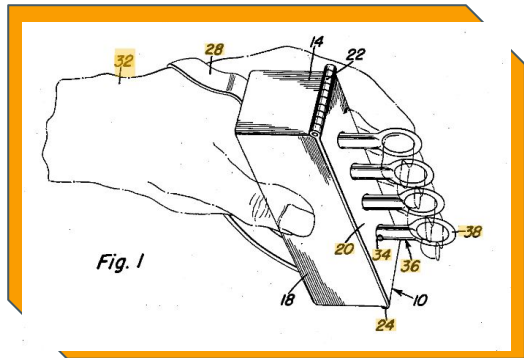


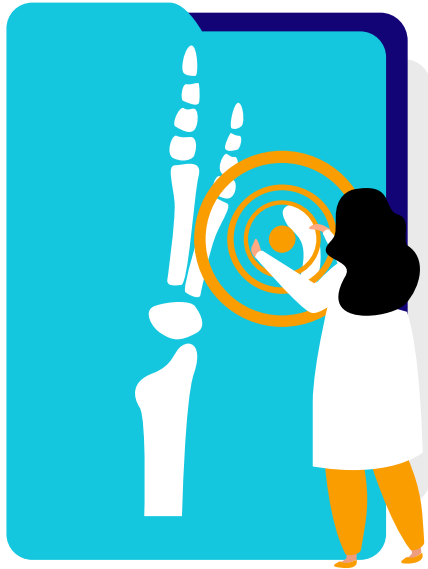
WHO

Our main target audiences include the elderly, people recovering from hand injuries, and young children.



WHAT'S OUT THERE?





OUR VALUES

Inclusivity. Accessibility. Impact.



FUNCTION

Improve function of the
hand



OBJECTIVES

Can be used for both hands
Comfort
Easy to transport
Appeal to kids and adults

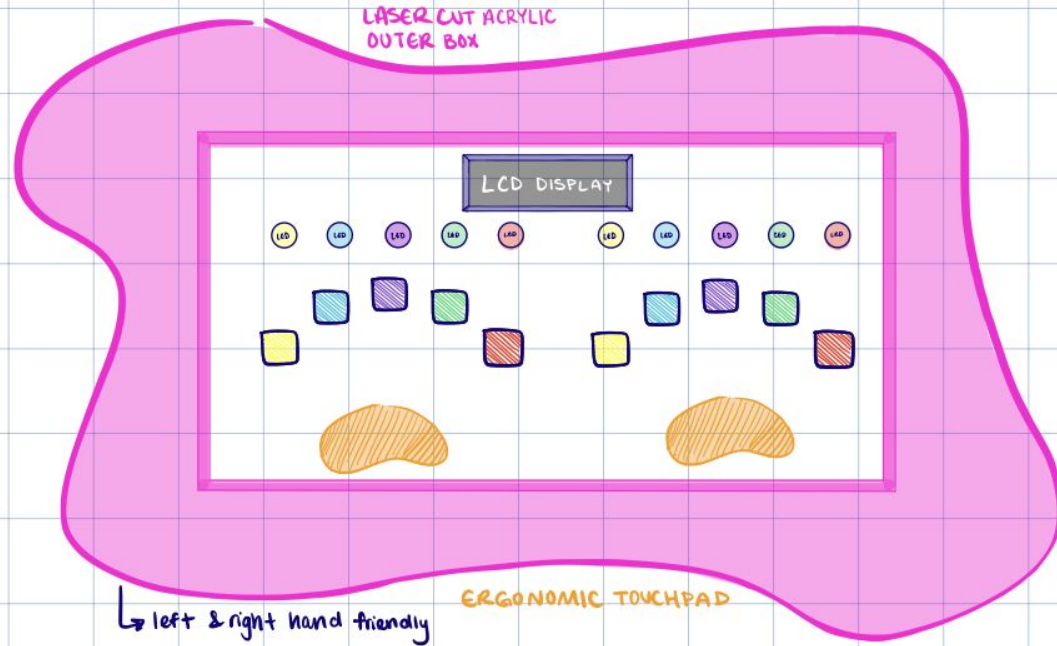


CONSTRAINTS

Stay under \$100 limit
Minimize plastic use &
overall environmental
impact



OUR GOALS





LET'S TRY



IT OUT!

