# ACCESSIBLE LUNCHBOX

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HUSKYADAPT
Accessible Design & Play Technology

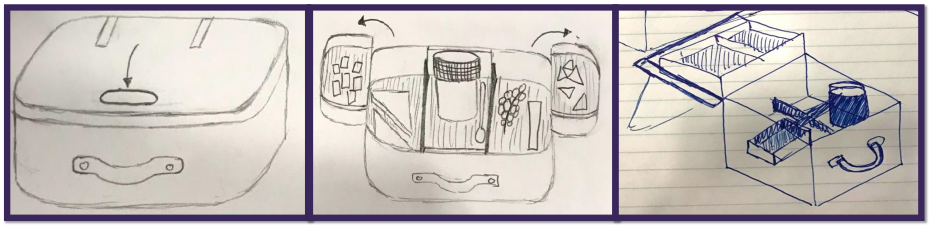
## Abstract

Opening a lunchbox is a two-handed task; one hand is used to stabilize the box while the other is used to unlatch and take off the lid. This can be a challenging activity for individuals who have decreased hand function on one side. **Our challenge is to design an accessible, durable lunchbox that stores hot and cold foods, and can be operated independently by an individual with limited use of their hand.**

## Our Process

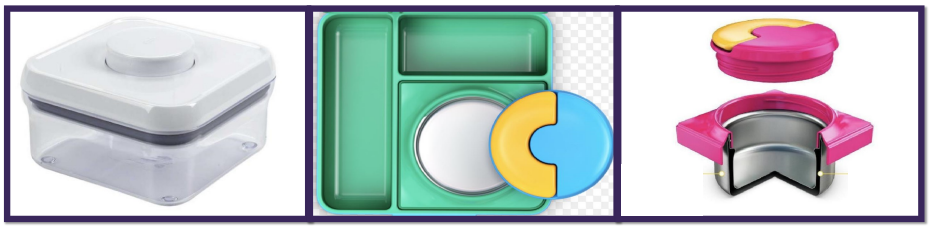
### Preliminary Sketches

Initial ideas resembled a tackle box design. After conducting an interview with our user, we decided to simplify this approach.

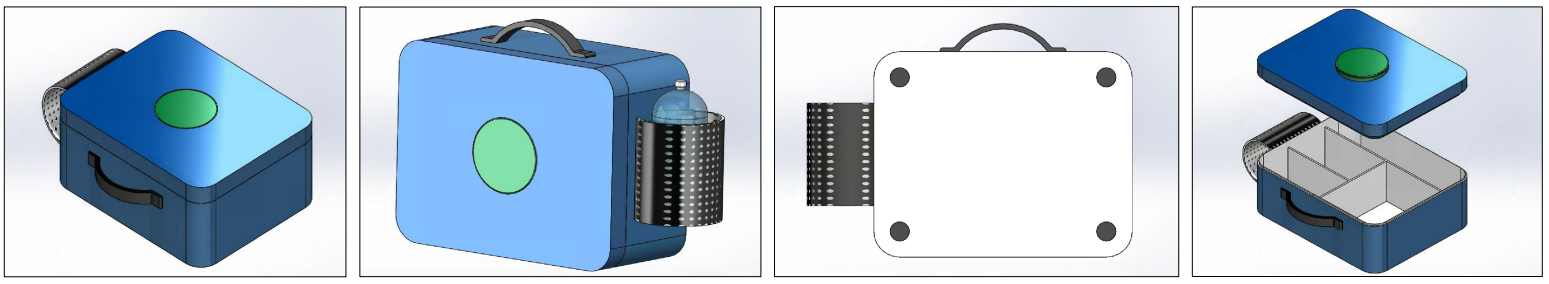


### Current Solutions

- One handed operation, compact (Left)
- Customizable w/ compartments (Center)
- Easily cleaned, hot & cold foods (Right)



## Proposed Design Idea



### External Components

- Push-button top to take lid off with one hand
- Handle for easy transportation
- Rubber feet for increased stabilization
- Mesh water bottle holder to hold water bottle or juice

### Internal Components

- Air tight seal to prevent leaks
- Removable thermos with push-button top
- Wide and shallow bowl to make scooping food out easier
- Movable dividers to customize snack compartments

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