# Introduction

The Pull-Tab Tin Can Opener is a device which aims to make opening tin cans with a pull-tab, such as cat food cans, tuna cans, baked beans cans, etc., easier to open for those with arthritis, low finger dexterity, or other related disabilities.

# Research

Many open-source designs for this purpose have been created. Some links to some usable designs from the digital design sharing platform, thingiverse.com, are included below:

[Can opener by errrr - Thingiverse](https://www.thingiverse.com/thing:4632787)

# Requirements

## Goals

|  |  |
| --- | --- |
| G01 | To allow those with arthritis, low finger dexterity, or other |
| G02 |  |
| G03 |  |

## Functional Requirements

|  |  |
| --- | --- |
| F01 |  |
| F02 |  |
| F03 |  |

## Non-functional Requirement

|  |  |
| --- | --- |
| NF01 |  |
| NF02 |  |
| NF03 |  |

## Constraints

|  |  |
| --- | --- |
| C01 |  |
| C02 |  |
| C03 |  |

# Ideation

# Conceptual Design

## Concept 1

## Concept 2

## Concept 3

# Prototyping

# Testing

# Detailed Design

# Opportunities for Improvement