TODO:- flesh out this skeleton note

Why Bother?

image of one of those kids shape hole things

Seems like a lot of hassle. What do we gain?

Pros - great way of specifying code: name and type are effective at communicating and giving and intuition of what a function does - Helps guide the implemntor type driven coding (slow refinement, like a paining sketch that you slowly add detail to) - Stops errors being make

Example - consider something you enjoy doing

I'll pick baking

- consider how you would type this activity to improve it by the following aspects:
    - specification
    - guidance
    - error prevention

Taking it a step further

type classes