

1.3 The Function Design Recipe

DESIGN RECIPE:

EXAMPLES

HEADER

DESCRIPTION

BODY

TESTS

- **Docstring:** what the function **does & requirements** to use function
- **Type Contract:** arguments of specified type

PRECONDITIONS:

- Conditions the functions arguments **need to satisfy so that the function works** according to the docstring
- Leads to simpler /more efficient implementation

MAIN IDEA:

What service we want to provide to the users of our functions

—

And what restrictions we want to impose upon them.