

Monday September 11

Lecture I

class Microwave User → Client

m heat (obj)

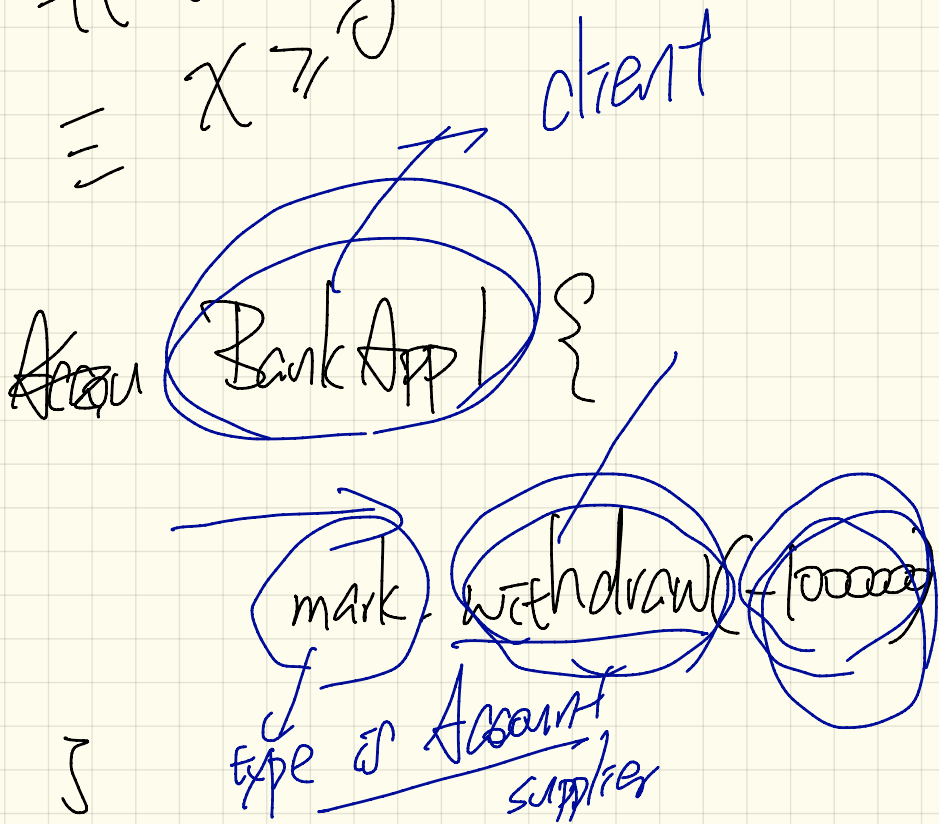
before - execution
client makes server
locked & on

↓
Supplier
of Microwave

after execution
supplier makes
server obj is
heated

Specification
vs.
Implementation (code)

positive $x > 0$
non-negative \vee $\neg(x < 0)$
 $\equiv x \geq 0$



preconditions vs. exceptions
 \neq

exception condition is a logical negation
of the corresponding precondition

divide ($\text{int } x, \text{int } y$) $\frac{x}{y}$

Division By Zero Exception. $\rightarrow y == 0$

Preconditions (when I can do division) $\rightarrow y \neq 0$

"code smells"

↳ unnecessary repetition.

↳ resolve by uv code
reusing