

Agenda

Locatis good software

Design principles

SOLID

SRP

OCP

Good software

- Maintainable

- Debug

- Test

- Understand

- Extensible - Scolable

Design principles

- Set of sules

- Guidelines to create good

software

- CUP10

- GRASQ

SOLID

Single responsibility

Open - closed

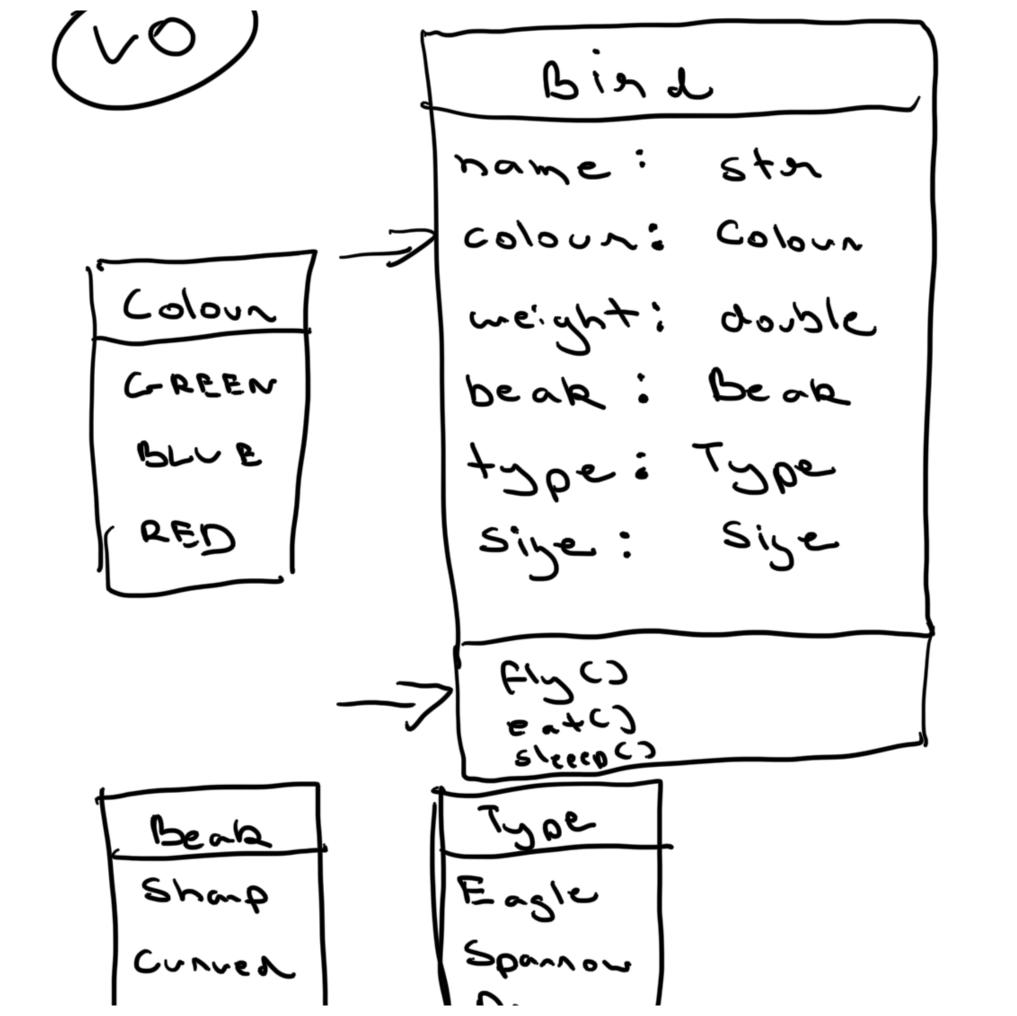
Liston substitution

Therface segregation

Dependency inversion

Case study

Design a bind

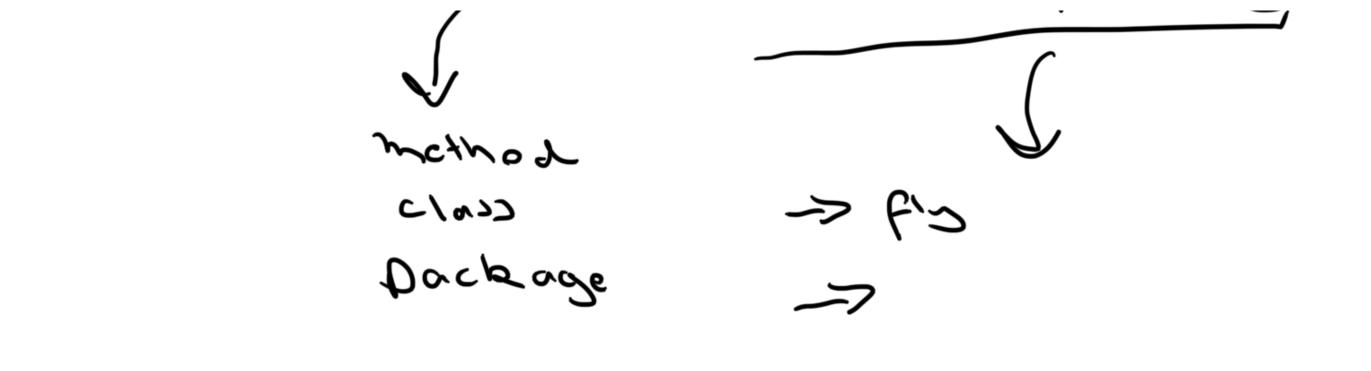


Sven

Problems Not read app Too many Not easy to test thin ys Merge conflicts in our Not rev sable nethon Single nes pon sibility

A single code unit

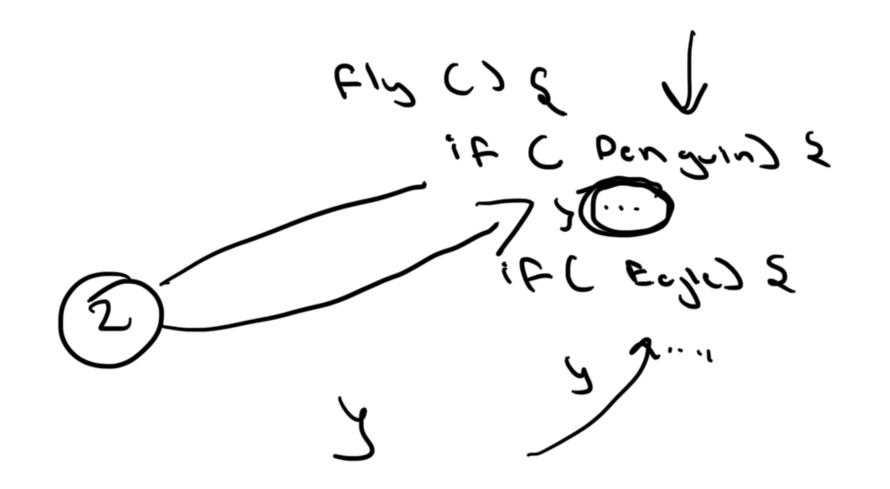
one nes poncibility



change -> What are the diff.

re asons to change a

eless



(1) Jif-clse Switch

(2) Monster methods on God clesses

Sove a Bird to the DIP CJ of Create abia d Connect to the DBC Burn's (name stope Esecute Create a new Bina ·6, Close the connection mon ster methods 21;40

6:07 - 6:15)

- 10:45

SRP

Cyclomatic complexity

1 F - e1 50

What)
-> Single code unit

=> Single responsibility

Who maintainability

Extensibility

Tow)

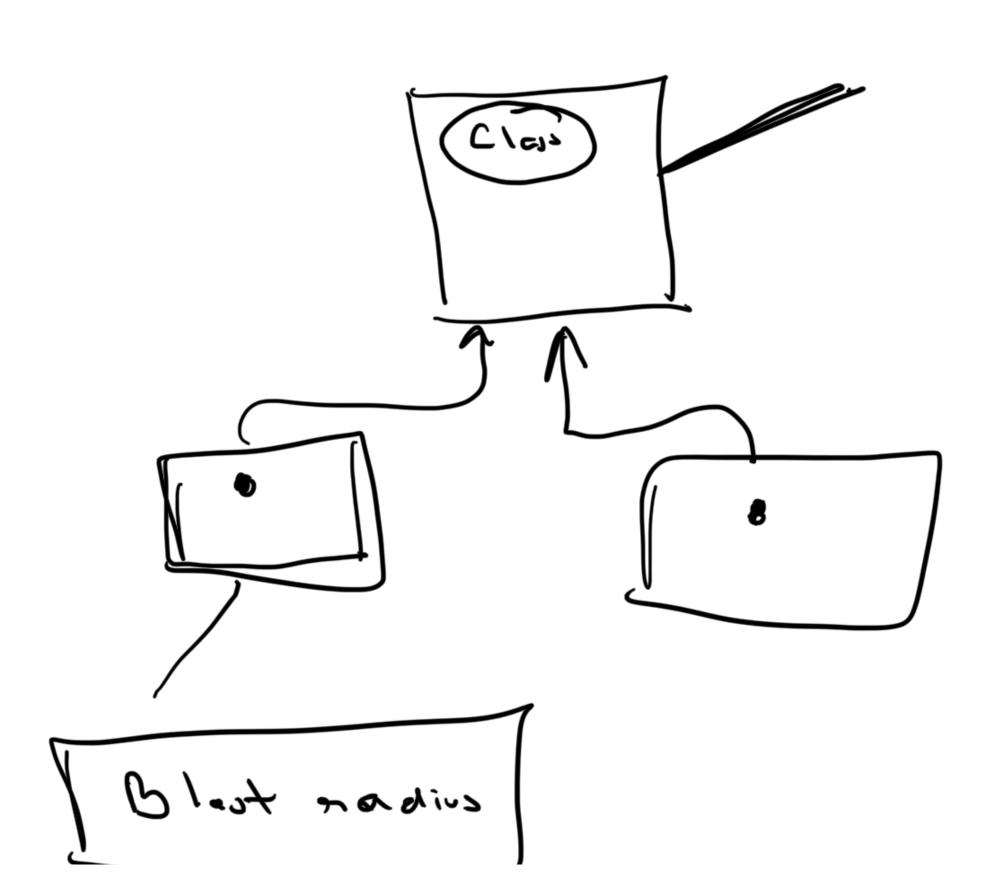
Numbers of recoons tochonge

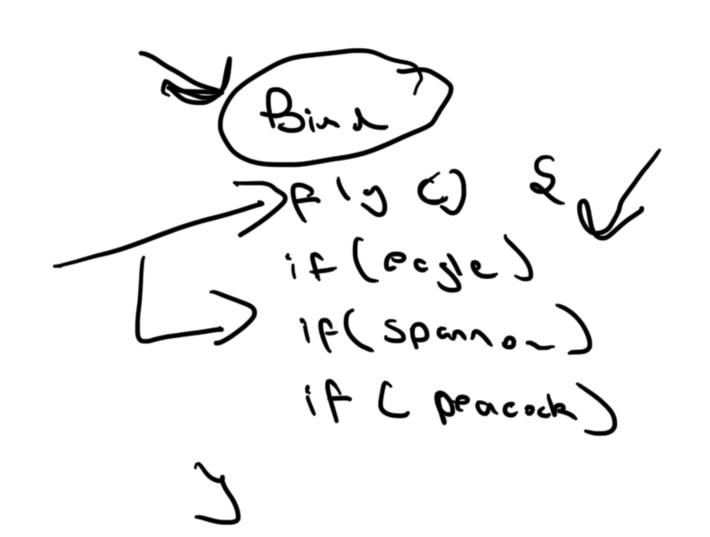
Subjective

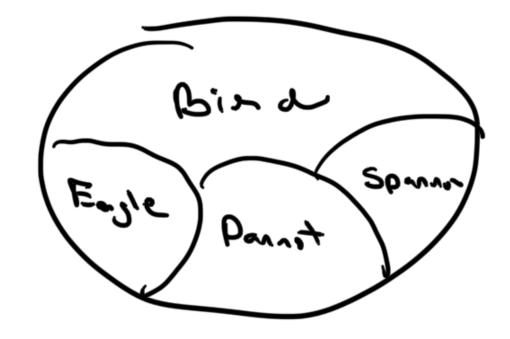
Open - closed

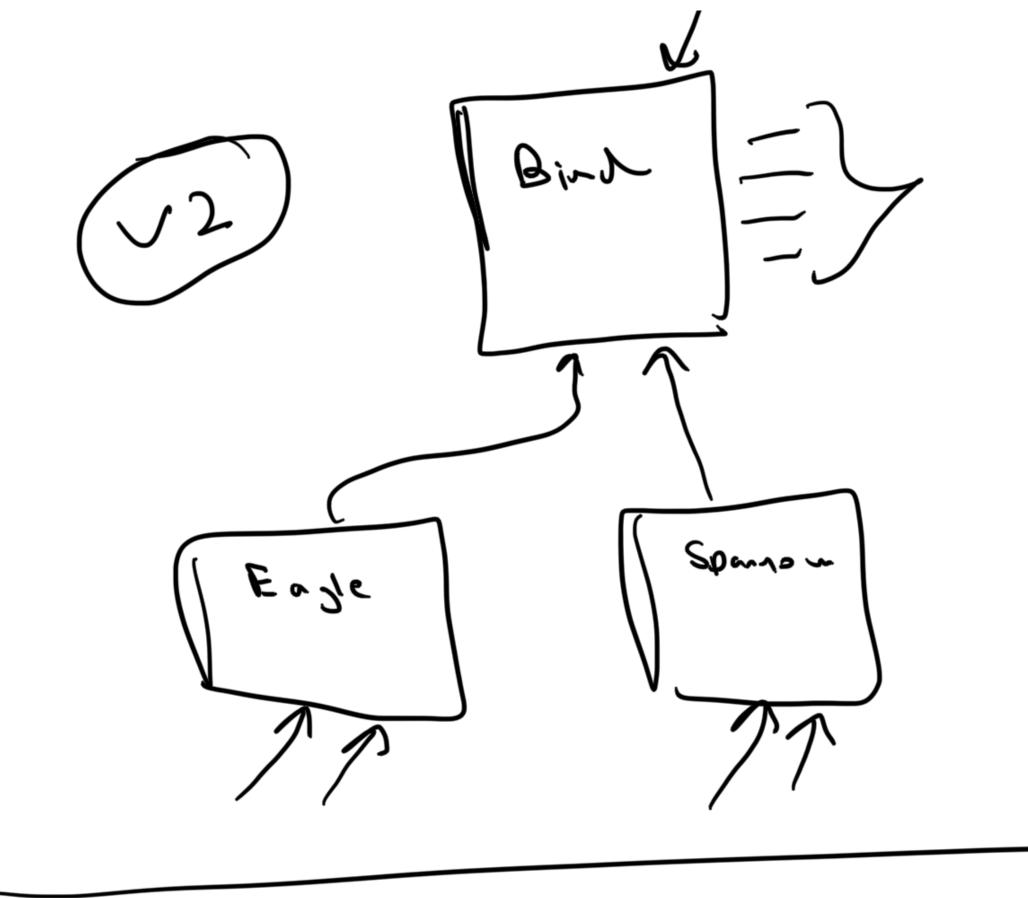
Por por contension

Closed for modification









if 2 classes hore common

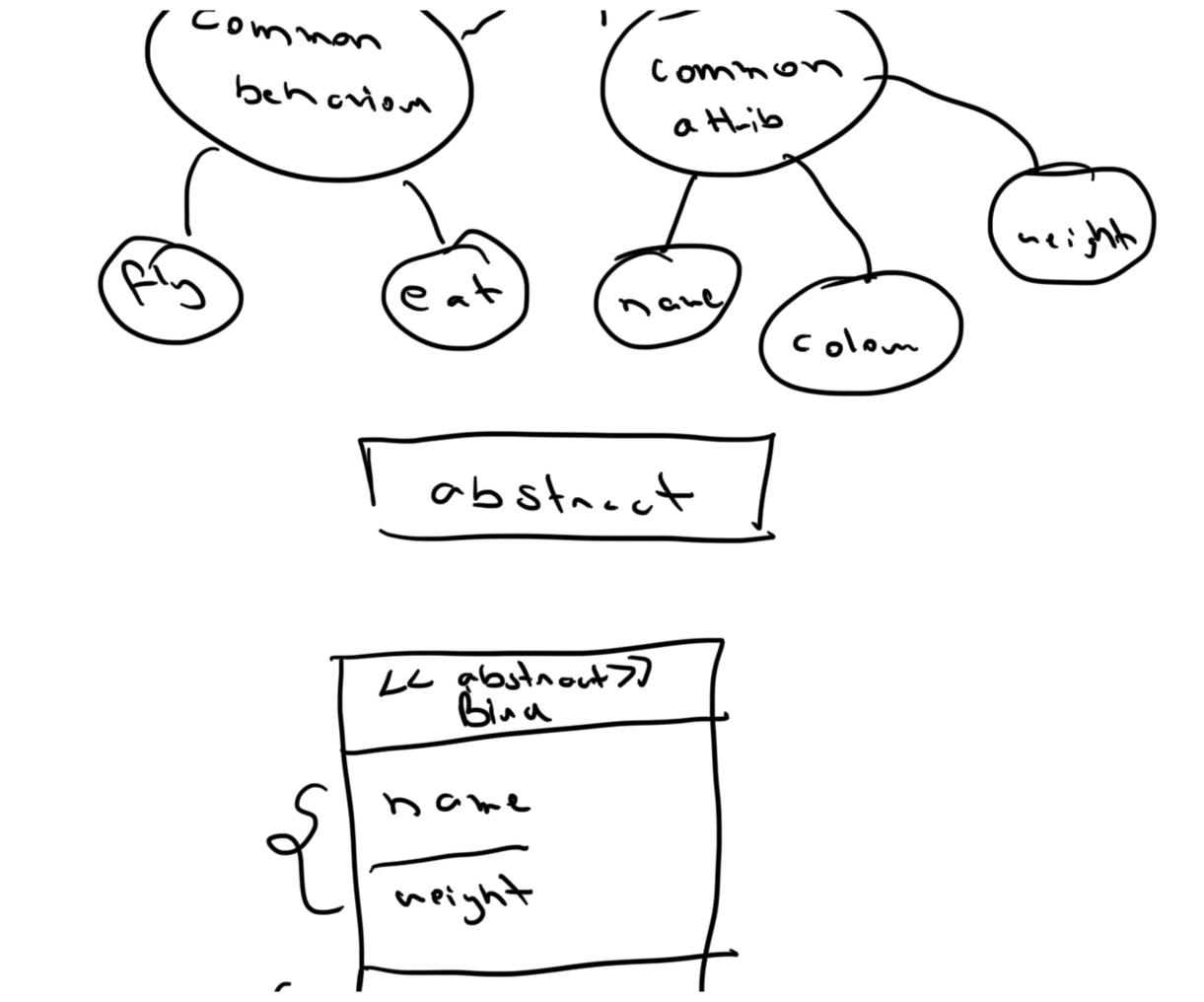
Common behower

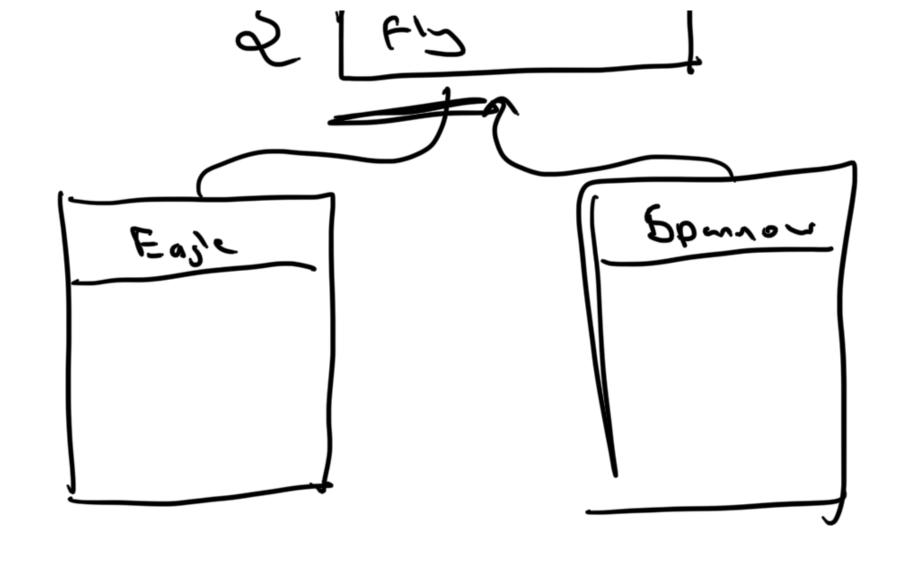
interface

common attails + behow

ab strect

Eosle Sparon





SRP - Single co > Sing responsibility

Open for extension

closed for modification