Class Diagram (1)

Animal
- ~ name: String
- ~ getName(): String
- ~ Animal()
- ~ setName(name: String)
- ~ Animal(name: String): void

Chicken
- ~ log: Logger
- + chicken:
- + chickenName: String
- + lay(): String
- + egg: Breeder

«interface» Breeder
- grow(): T

Bird
- ~ log: Logger
- ~ bird()
- + Bird(name)
- + walk(): boolean
- + sing(): String

Breeder
- log: Logger
- ~ chicken: chicken
- rooster?:
- + rooster(name: String)

Duck
- ~ log: Logger()
- + quack
- + walk(name)
- + sing(): String
- + swim(): bool

«interface» Flying
- value(): boolean

Parrot
- ~ log: Logger
- ~ soundLearnt: String
- + Parrot()
- + Parrot(name: String)
- + Parrot(name: String, sound: soundLearnt: String)
- + fly(): boolean
- + fly(): boolean
- + sing(): String
- + mimicSound(): String

«interface» Flying
- fly(): boolean

Class Diagram ②

Class Diagram-3

Animal
- name : String
- - getName(): String
- ~ Animal()
- ~ setName(name: String): void
- ~ Animal(name: String)

Insect
- + Insect()
- + Insect(name: String)

Butterfly
- ~ log: Logger
- ~ caterpillar: Caterpillar
- + Butterfly()
- + Butterfly(c...)
- + fly(): boolean

Caterpillar
- ~ log: Logger
- + Caterpillar()
- + Caterpillar(name: String)
- + walk(): boolean
- + metamorphosis(): "Butterfly"

<<interface>> Metamorphosis
T
metamorphosis(): T

<<interface>> Walker
walk(): boolean

Class Diagram (2)

Animal
- name: String
~ getName(): String
~ Animal()
~ setName(name: String): void
~ Animal(name: String)

Dolphin
~ log: Logger
+ dolphin()
+ Dolphin(name: String)
+ swim(): boolean
+ Sound(): String

Onomatopoeic (I)
Sound(): String

«interface»
Swimming
swim(): boolean

Fish
~ log: Logger
- size: Size
- color: Color
+ Fish()
+ Fish(name: String)
+ Fish(name: String, color: Color, size: Size)
+ swim(): boolean

«enum» Color
Orange
Grey

«enum» Size
Small
Large

«I» Carnivore
prey(): boolean

Shark
~ log: Logger
+ Shark()
+ Shark(name: String)
+ prey(): boolean

clownfish
~ log: Logger
+ clownfish()
+ clownfish(name: String)
+ makeJokes(): boolean

«I» Joker
makeJokes(): boolean