

Class Diagrams

Superclass

Animal

name: string
species: string
foodamount: number

food: string

```
constructor (-name, -foodamount) {
    this.name = -name
    this.foodamount = -foodamount
```

eat(): void
sing(): void
doSpecialAction(): void

Cow
is a cow
eats grain
mooes moo
constructor (-name, -foodamount) {
super (-name, -foodamount)
this.species = "cow"
this.food = "grain"
this.sound = "moo"
doSpecialAction();

Subclasses

Pig

is a pig
eats fruit
oinks oink

```
constructor (-name, -foodamount) {
    super (-name, -foodamount)
    this.species = "pig"
    this.food = "fruit"
    this.sound = "oink"
}
doSpecialAction();
```

Horse

is a horse
eats hay
neighs neigh

```
constructor (-name, -foodamount) {
    super (-name, -foodamount)
    this.species = "horse"
    this.food = "hay"
    this.sound = "neigh"
}
doSpecialAction();
```

Duck

is a duck
eats veggies
quacks quack

```
constructor (-name, -foodamount) {
    super (-name, -foodamount)
    this.species = "duck"
    this.food = "veggies"
    this.sound = "quack"
}
doSpecialAction();
```

Lamb

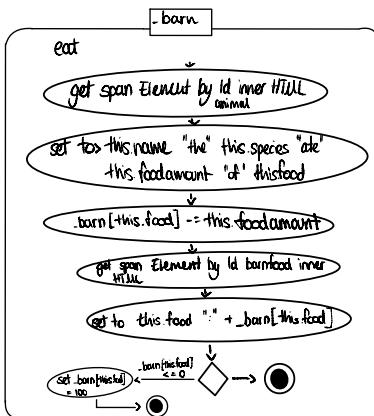
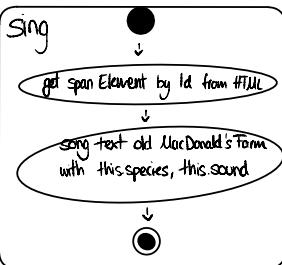
is a lamb
eats grass
baas baas

```
constructor (-name, -foodamount) {
    super (-name, -foodamount)
    this.species = "lamb"
    this.food = "grass"
    this.sound = "baa"
}
doSpecialAction();
```

Chicken

is a chicken
eats seeds
clucks cluck

```
constructor (-name, -foodamount) {
    super (-name, -foodamount)
    this.species = "chicken"
    this.food = "seeds"
    this.sound = "cluck"
}
doSpecialAction();
```



Subclasses Methods

Cow

doSpecialAction



get span Element by Id "do"
inner HTML



text : "this.species" the "this.name"
just gave you some milk



Pig

doSpecialAction



get span Element by Id "do"
inner HTML



text : "this.species" the "this.name"
just rolled in dirt



Duck

doSpecialAction



get span Element by Id "do"
inner HTML



text : "this.species" the "this.name"
is chasing you now



Horse

doSpecialAction



get span Element by Id "do"
inner HTML



text : "this.species" the "this.name"
just jumped over the fence



Lamb

doSpecialAction



get span Element by Id "do"
inner HTML



text : "this.species" the "this.name"
is hiding now



Chicken

doSpecialAction



get span Element by Id "do"
inner HTML



text : "this.species" the "this.name"
just became your father



Main - Activity Diagram

