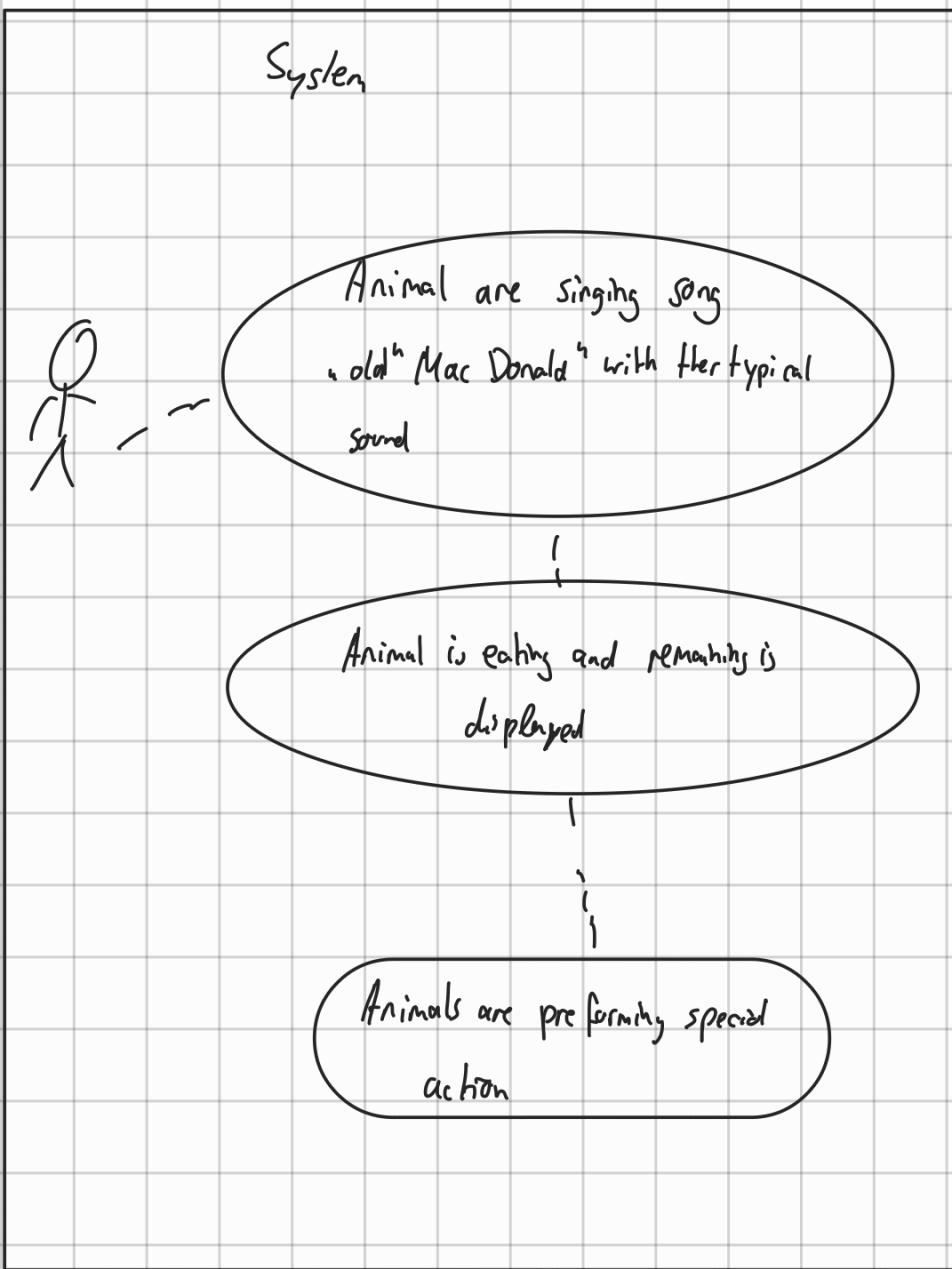


Use - Case



VI- Scribble

Old Mac Donalds Farm

<ch1>

Dry : 1

Animal: cow

<ch2>

Song :

old Mac Donald had a
farm...
cow ... eats

<ps>

1 1
1 1
1 1
1 1
1 1
1 1

Inventory:

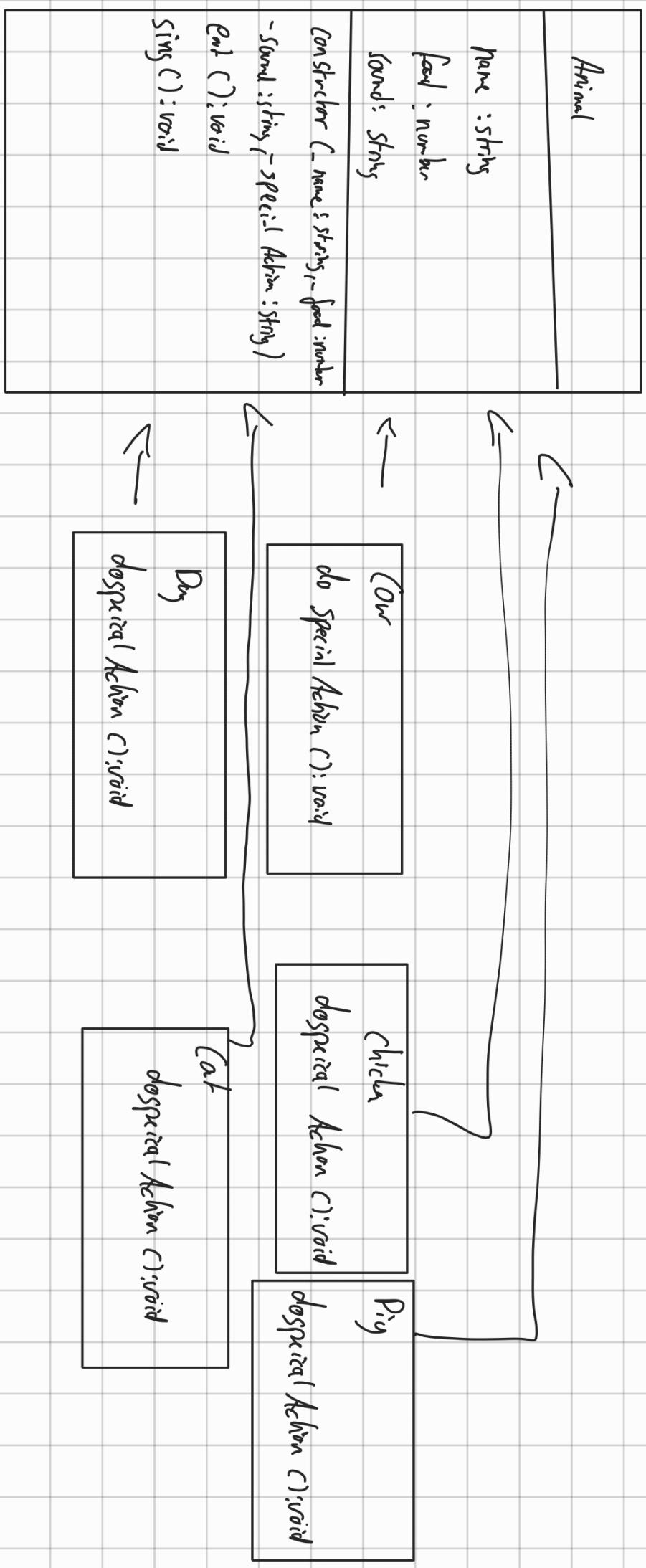
Old Mac Donald has ... kg grass left
Old Mac Donald has ... kg meat left

Next Day

<divs>

<click> c buttons

Class Diagram



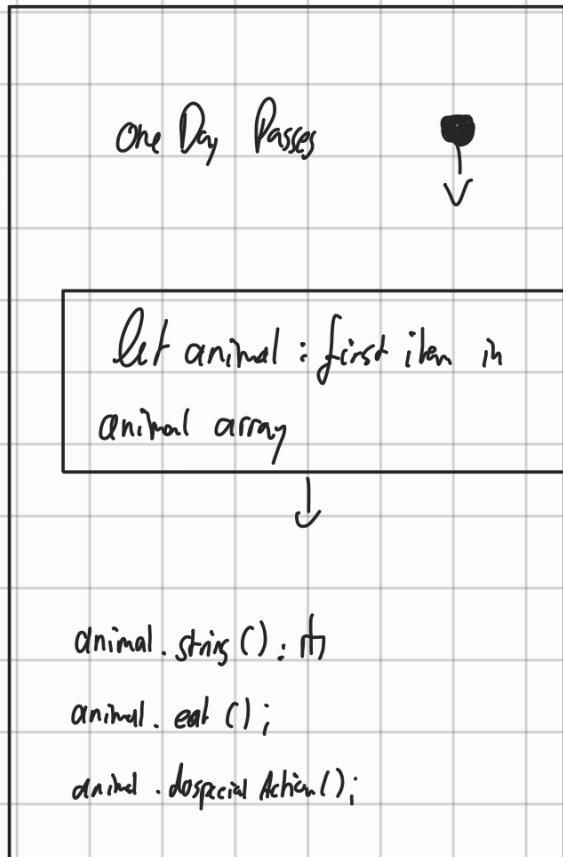
Achirit, Diagram

farm

```
main
  ↓
  let inventory: Array<any>
  let maxGrass: number = 100;
  let maxMeat: number = 20;
  let maxCarno: number = 80;
  let maxGrains: number = 20;
  let day: number = 1;
  let specialAction: HTMLElement;
```

↓
v

```
let animals: Animal[] = [];
let chicken: chicken = new chicken(
  "grain", "grass", "meat", "1kg")
let cow: Cow = new Cow("meat", "grass", "milk", "10kg")
let pig: Pig = new Pig("Piggy", "carno", "20kg",
  "5kg");
let dog: Dog = new Dog("Bella", "meat", "woof",
  "2kg");
let cat: Cat = new Cat("Densi", "fish", "miao",
  "1kg");
```



Push chicken, cow, pig, dog and cat in
array

↓
v



Animal

Constructor

```
- Name:string;  
- food:number;  
- Sound:string;  
- Special action:string;
```

```
this.name = _name;  
this.food = _food;  
this.Sound = _Sound;  
this.Special action
```

Sing ↴

Create new div-Element and
set class of div-Element to
Song

Set inner HTML of div to:

```
"p>"old Mac Donald had a farm" <br>  
"ee i ee i oh !" <br>  
"And on this farm he had" + this.name" <br>  
"ee i ee i oh " <br>  
"wright" + this.Sound + " " + this.Sound + "there" <br>  
"And a" + this.Sound + " " + this.Sound <br>  
"there a" + this.Sound + " " + this.Sound <br>  
"everywhere a" + this.Sound + " " + this.Sound <br>  
"And " + this.Special action <br>  
"old Mac Donald had a farm" <br>  
"ee i ee i oh " <br>
```

append div to body

Cow

doSpecial Action



Special Action = "the cow gave 10 liters of milk"



console.log ("Milka gave 10 liters of Milk.")



chicken

Special Action = "the chicken laid 8 eggs."



console.log ("Quacky chicken laid 8 eggs.")



Pig

doSpecial Action



Special Action = "the pig rolls in the mud."



console.log ("Piggy rolls in the mud.")



Dog

doSpecial Action



Special Action = "the dog Bruno barks a lot"



console.log ("Bruno barks a lot.")

Cat

doSpecial Action



Special Action = "the cat can catch mice".



console.log ("Dexhi catches mice")