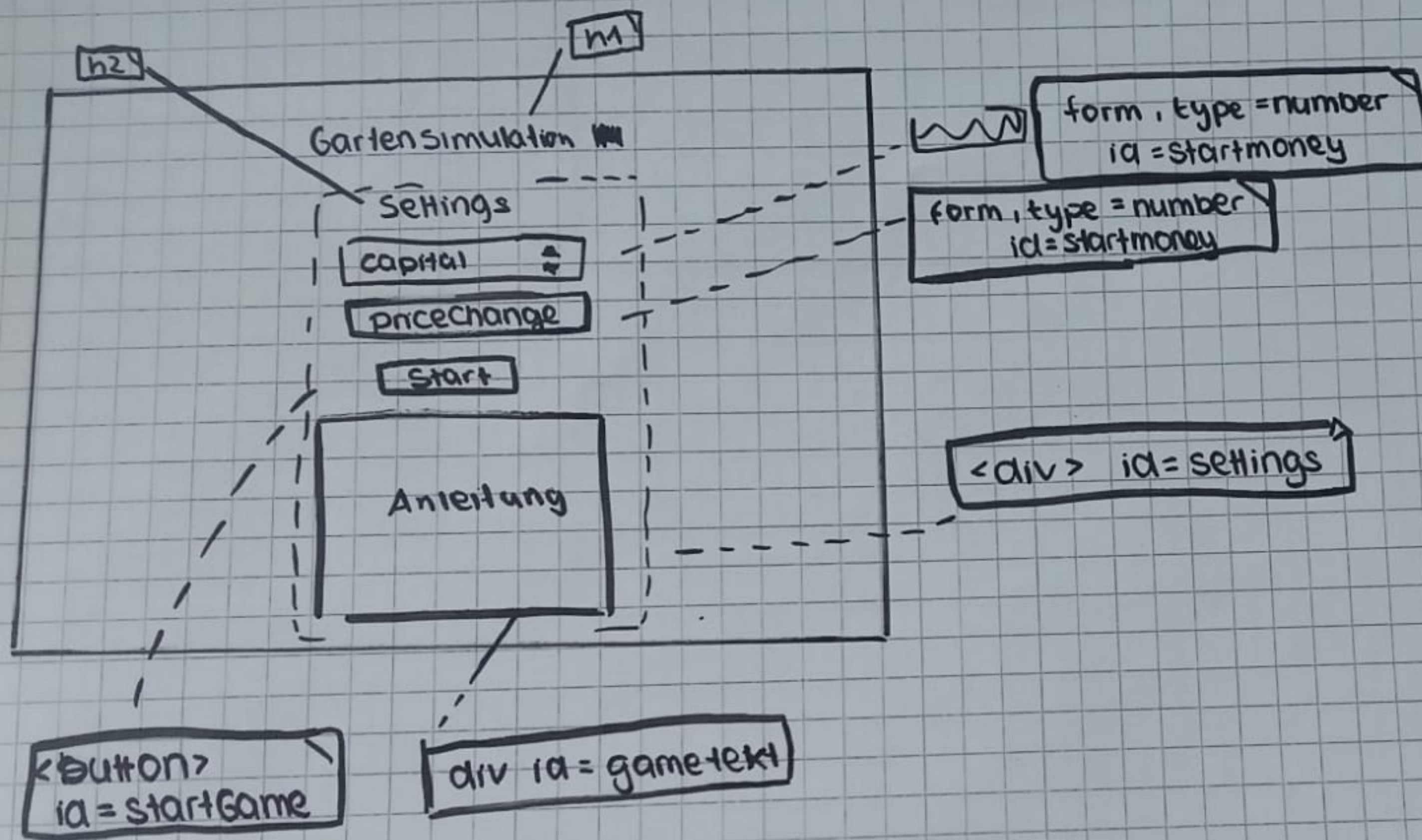


Use Case Diagramm



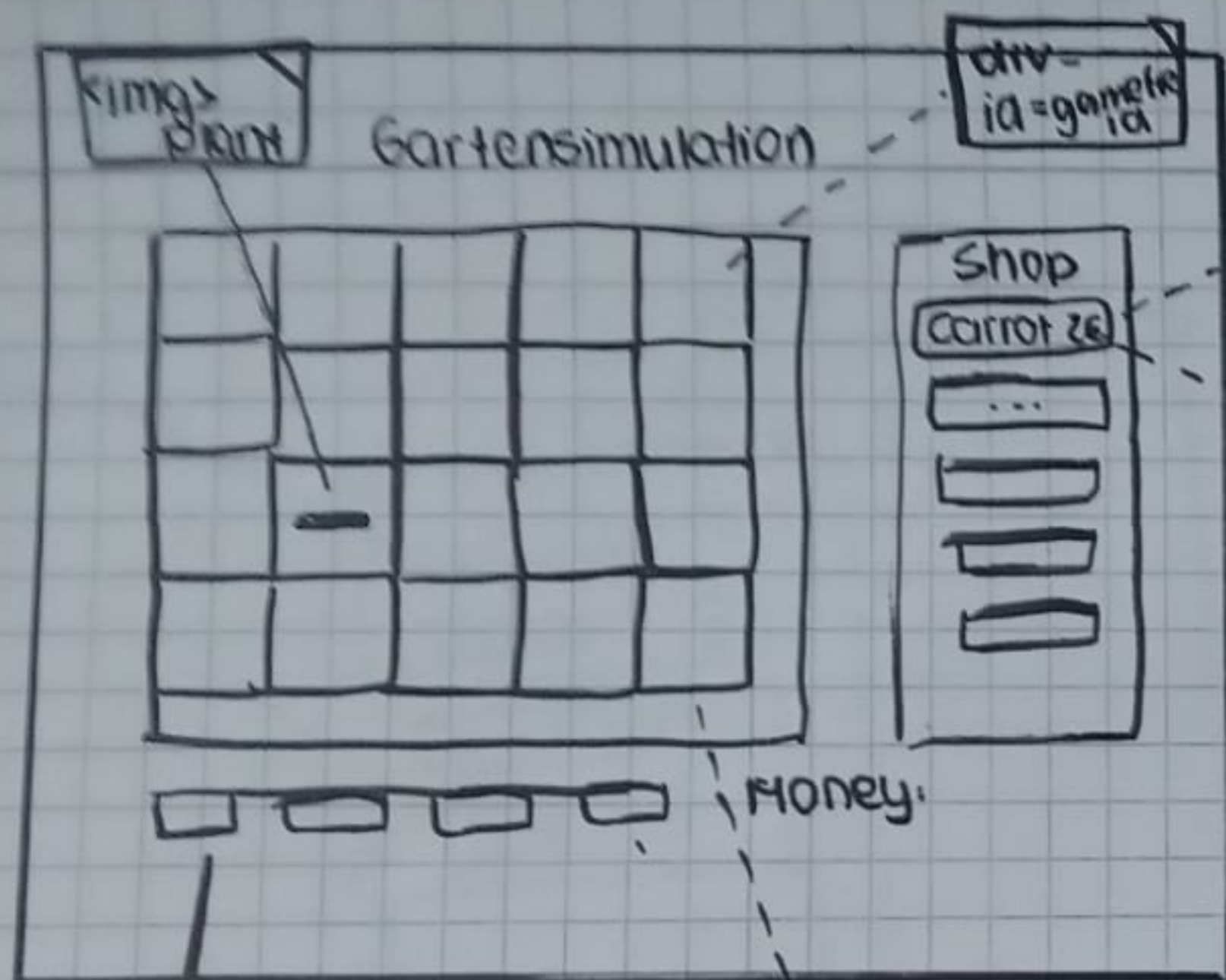


⇓

event Listener. click

+ <div> id = settings. style (display, none)

↳ nach start verstecken des Kastens settings



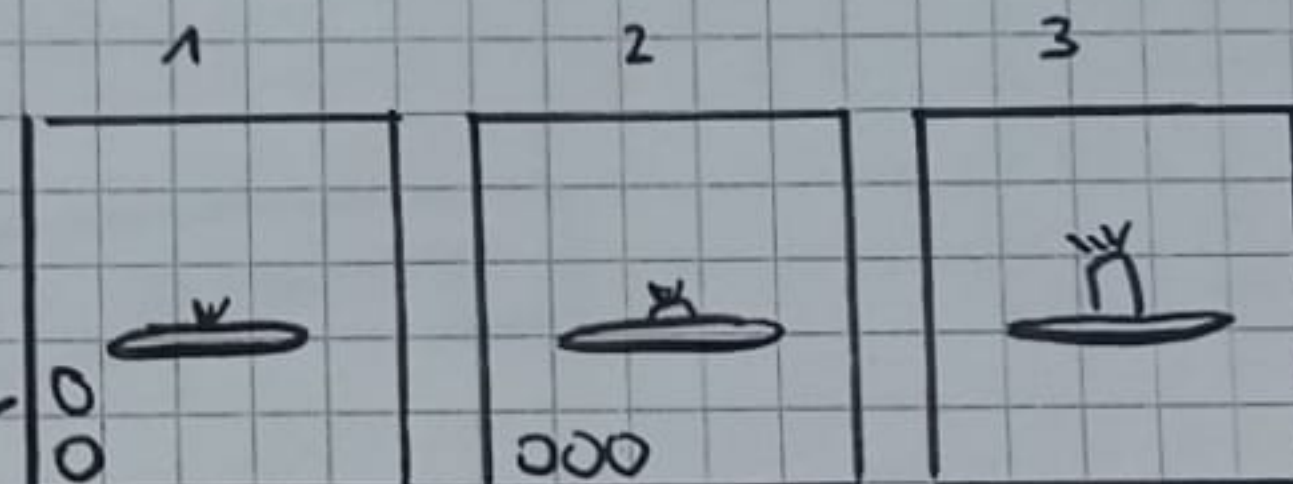
Buttons
id=buyCarrot

 aktuelles Geld

Buttons
id=seed1

anklickbar
Position erkennbar
+ nicht doppelt
betanzbar

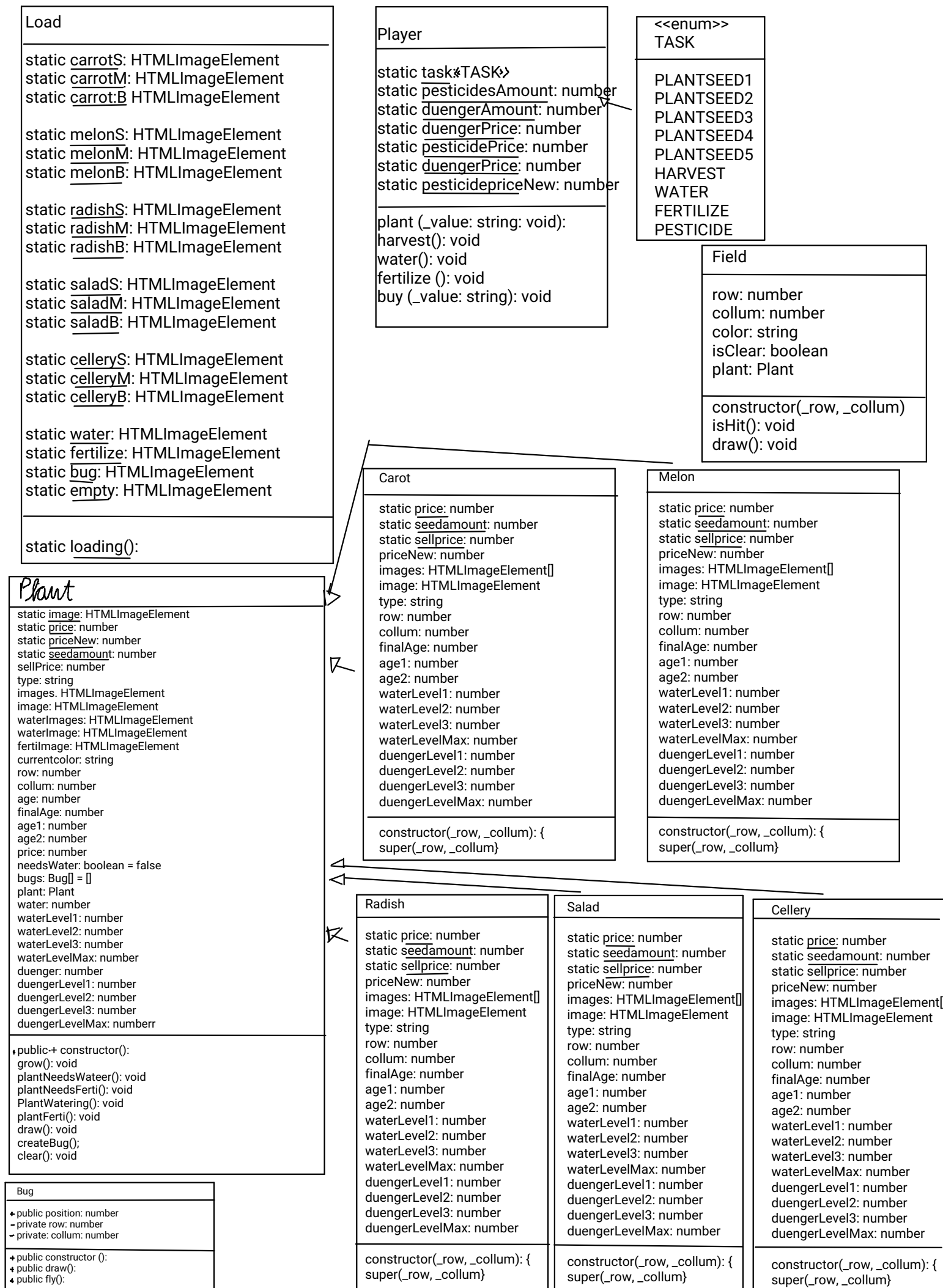
Spielsteuerung

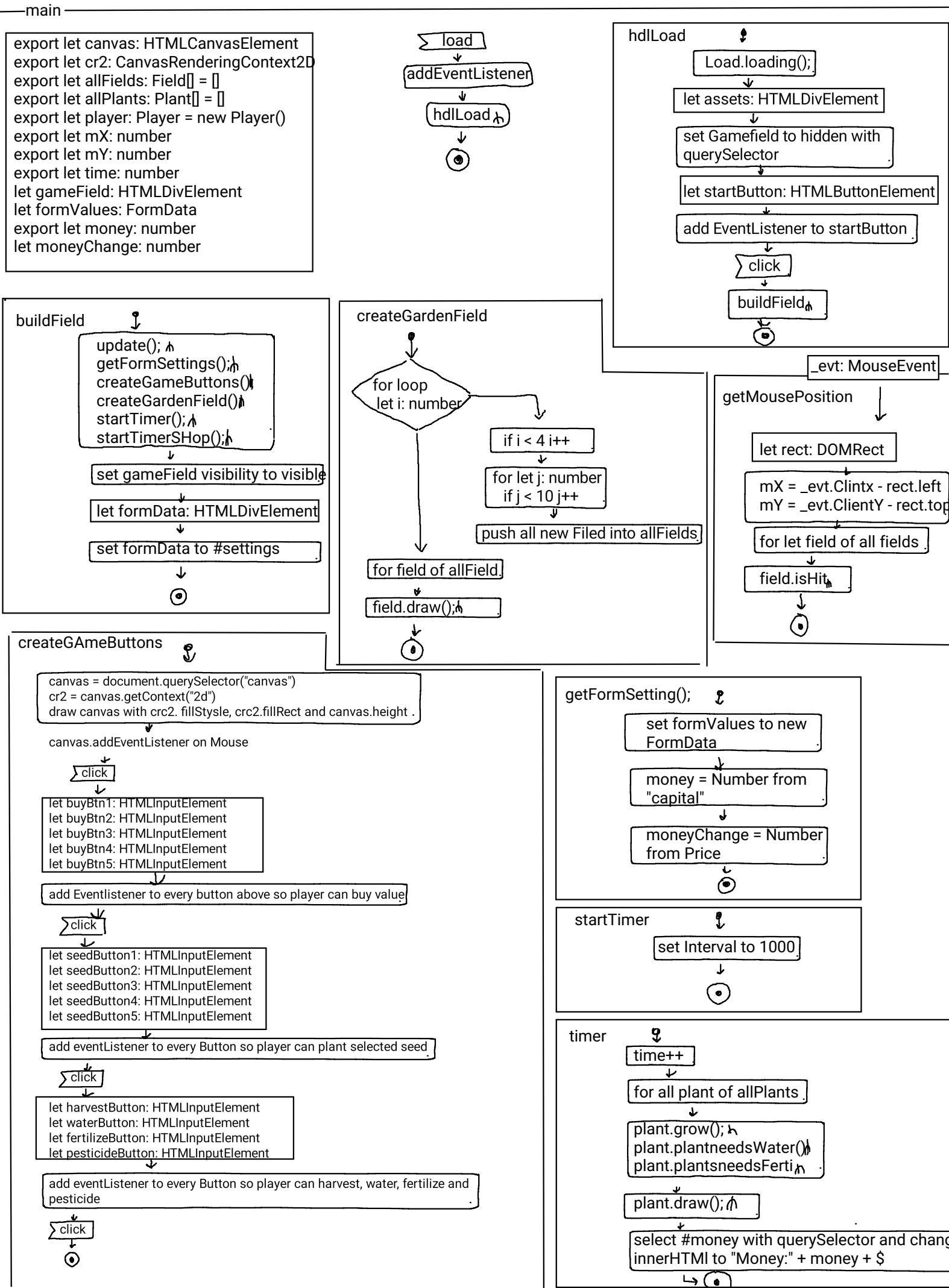


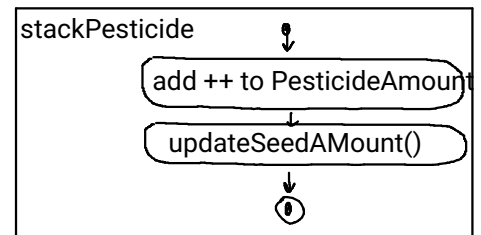
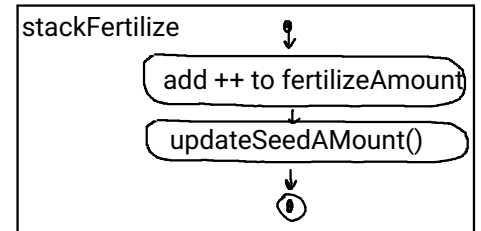
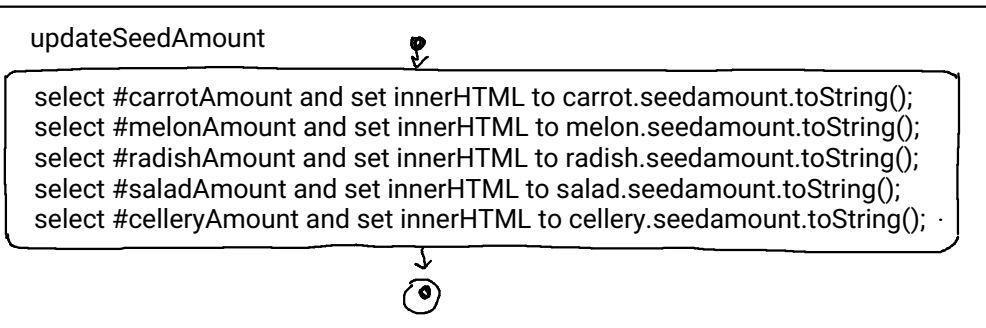
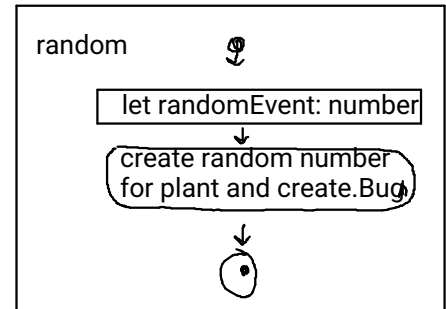
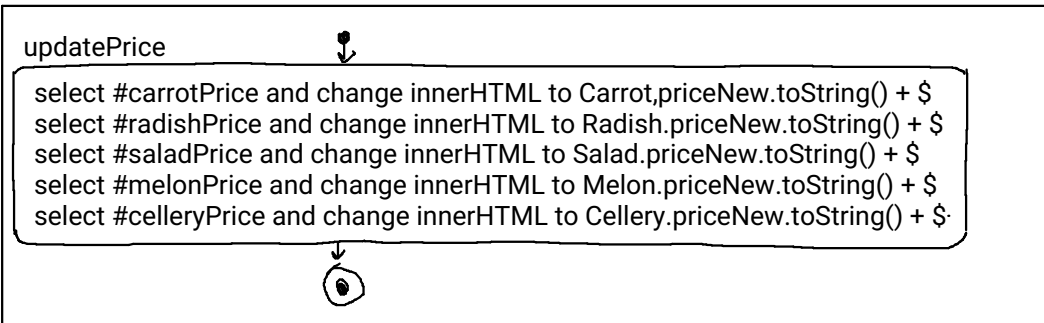
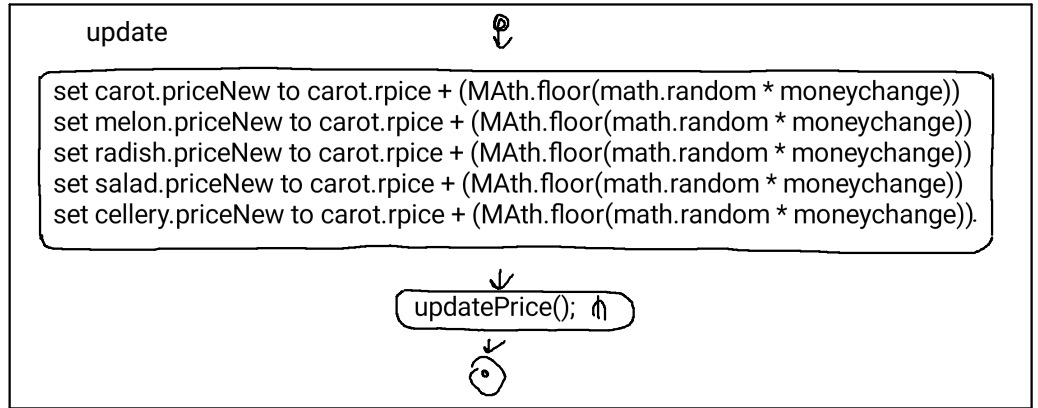
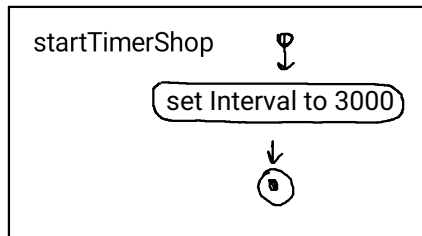
dünger
bedarf

Wasseranzeige
auch als
Bild

Class Diagram







load

```

static carrotS: HTMLImageElement
static carrotM: HTMLImageElement
static carrotB: HTMLImageElement

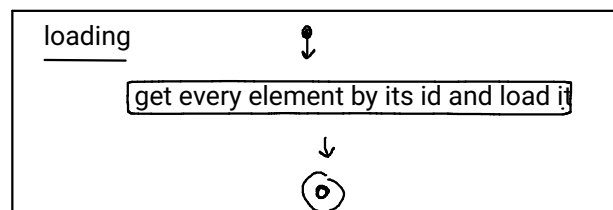
static melonS: HTMLImageElement
static melonM: HTMLImageElement
static melonB: HTMLImageElement

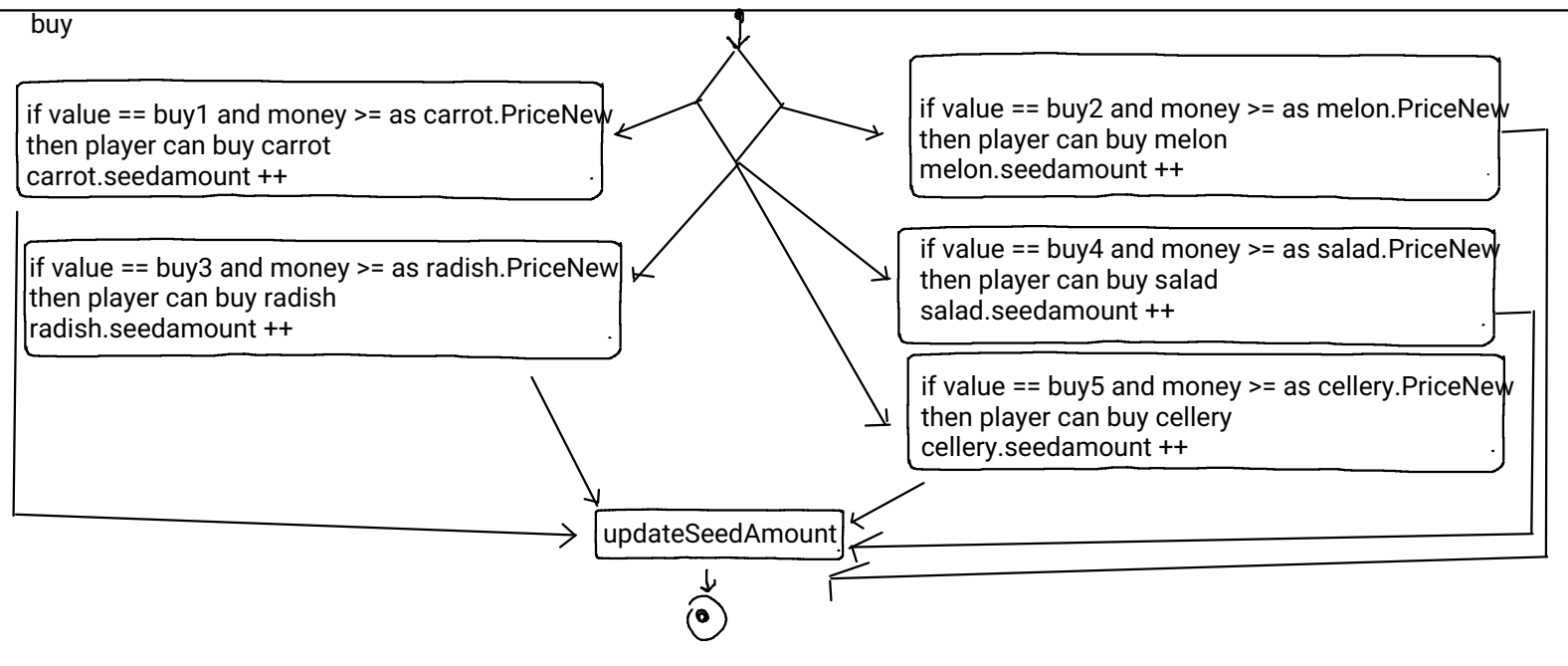
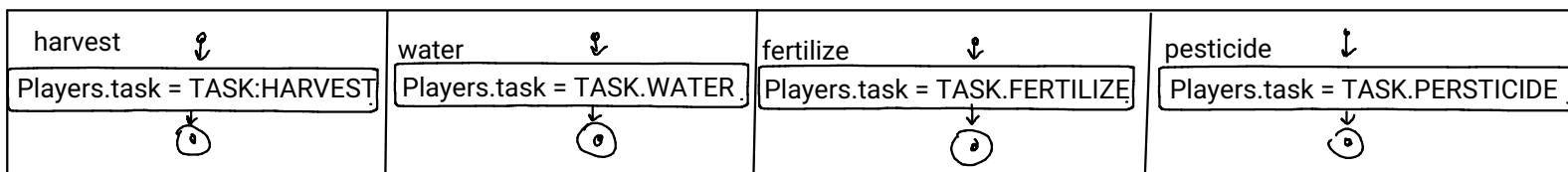
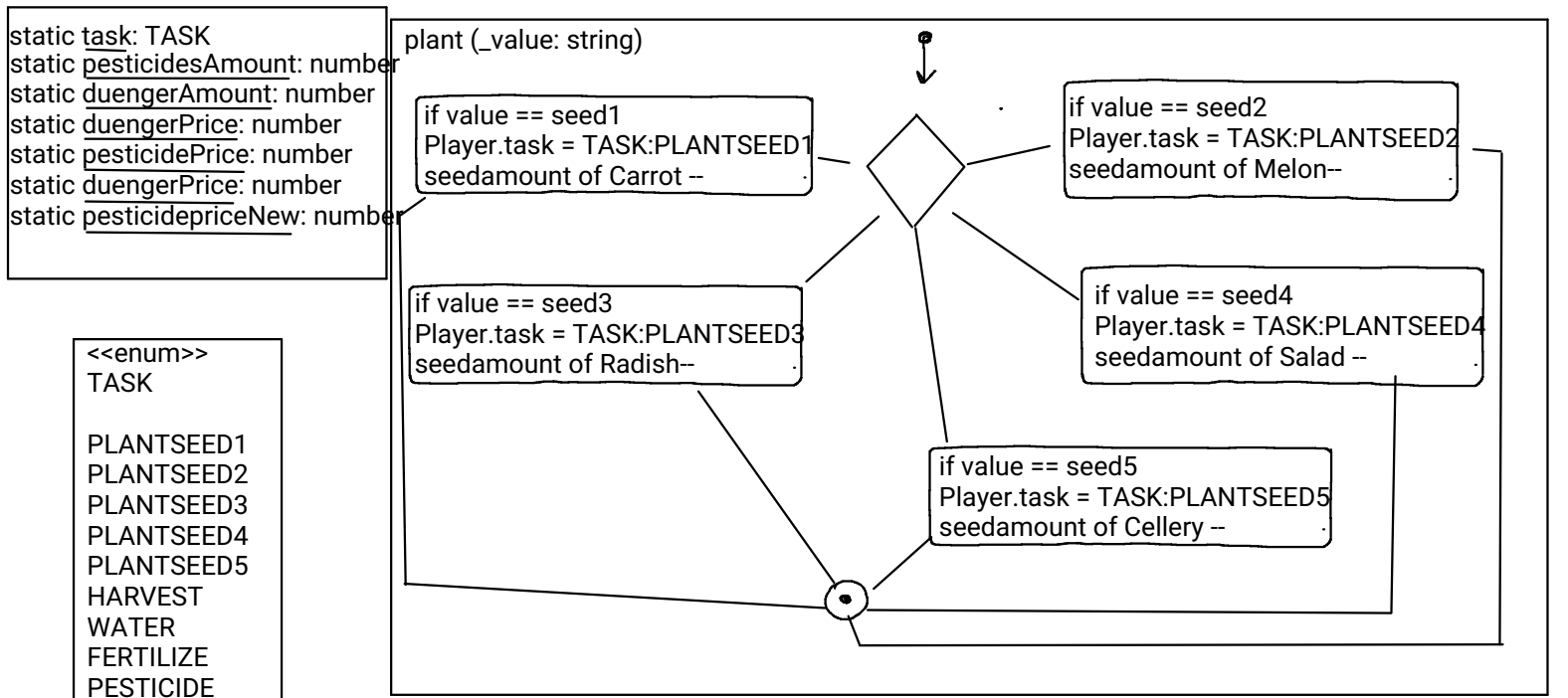
static radishS: HTMLImageElement
static radishM: HTMLImageElement
static radishB: HTMLImageElement

static saladS: HTMLImageElement
static saladM: HTMLImageElement
static saladB: HTMLImageElement

static celleryS: HTMLImageElement
static celleryM: HTMLImageElement
static celleryB: HTMLImageElement

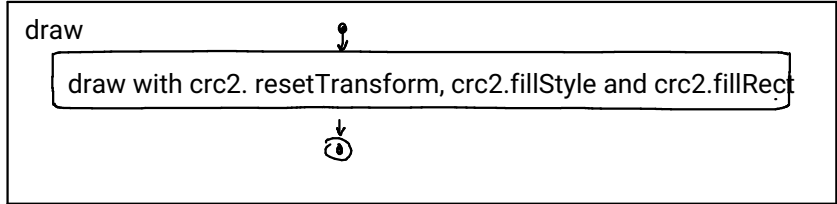
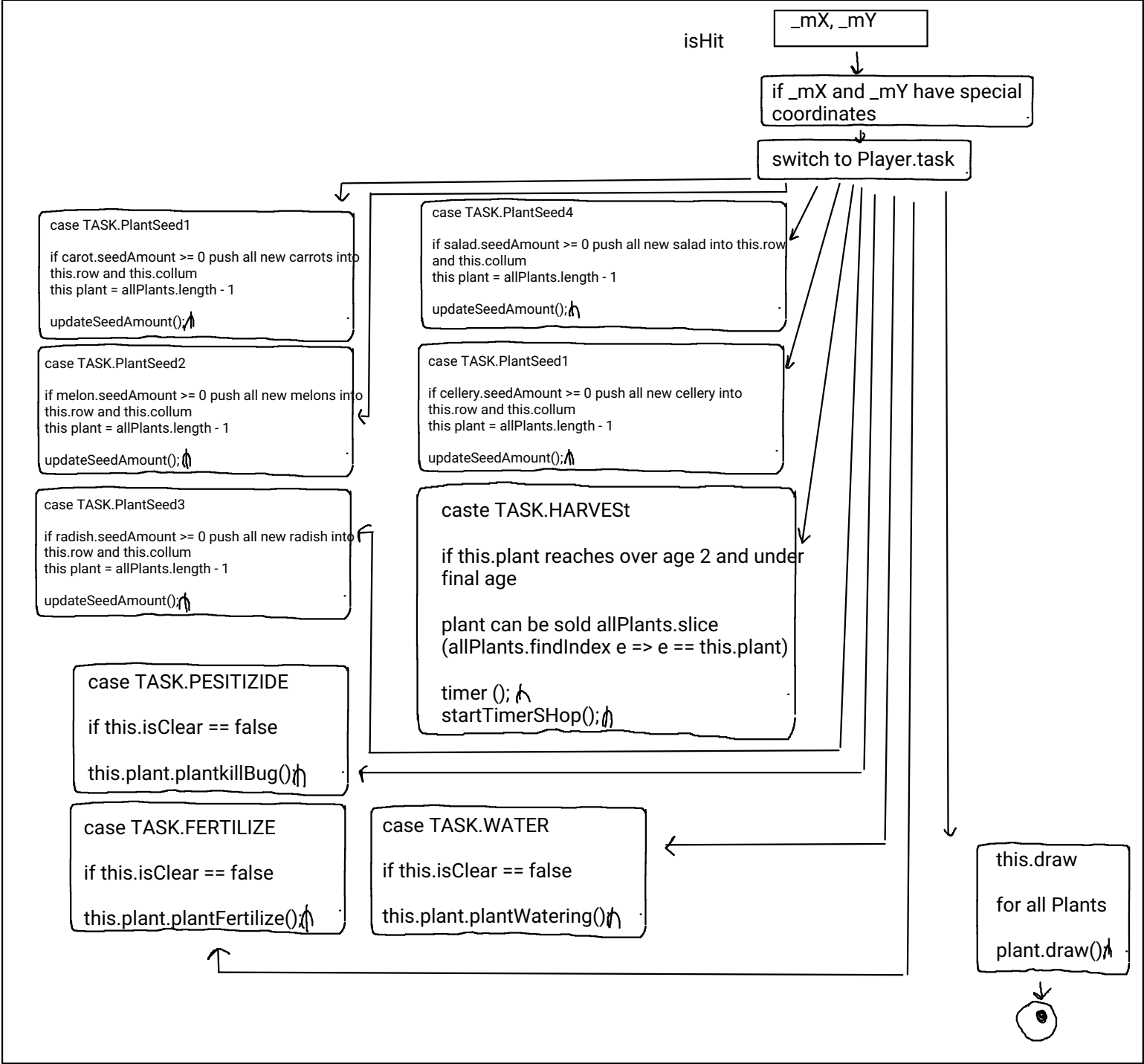
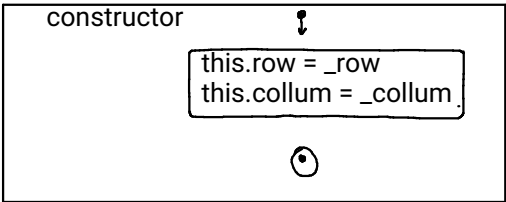
static water: HTMLImageElement
static fertilize: HTMLImageElement
static bug: HTMLImageElement
static empty: HTMLImageElement
  
```





Field

row: number
collum: number
color: string
isClear: boolean
plant: Plant



Plant

```

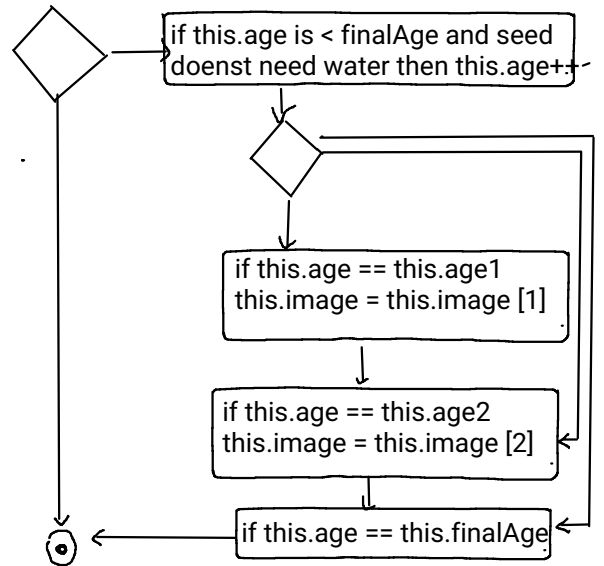
static image: HTMLImageElement
static price: number
static priceNew: number
static seedamount: number
sellPrice: number
type: string
images: HTMLImageElement
image: HTMLImageElement
waterImages: HTMLImageElement
waterImage: HTMLImageElement
fertImage: HTMLImageElement
currentcolor: string
row: number
collum: number
age: number
finalAge: number
age1: number
age2: number
price: number
needsWater: boolean = false
bugs: Bug[] = []
plant: Plant
water: number
waterLevel1: number
waterLevel2: number
waterLevel3: number
waterLevelMax: number
duenger: number
duengerLevel1: number
duengerLevel2: number
duengerLevel3: number
duengerLevelMax: numberr
    
```

constructor

```

this.row = _row
this.collum = _collum
    
```

grow



plantNeedsWater

```

this.water ++
    
```

```

if this water < this.waterLevel 1
then this.waterImage = this.waterImage[0]
    
```

```

if this water > this.waterLevel1 but < this.waterLevel2
then this.waterImage = this.waterImage[1]
    
```

```

if this water > this.waterLevel 2 but < this.level3
then this.waterImage = this.waterImage[2]
    
```

```

if this water > this.waterLevel 3 but < this.waterlevelMax
then this.waterImage = this.waterImage[3]
    
```

```

if this.waterLevelMax == this.water
this.waterImage == this.waterImages[0]
plant clears and this.water = 0
    
```

```

this.draw();
    
```



plantWatering

```

if this.water > this.waterLevel1
then this.plantNeedsWater();
    
```

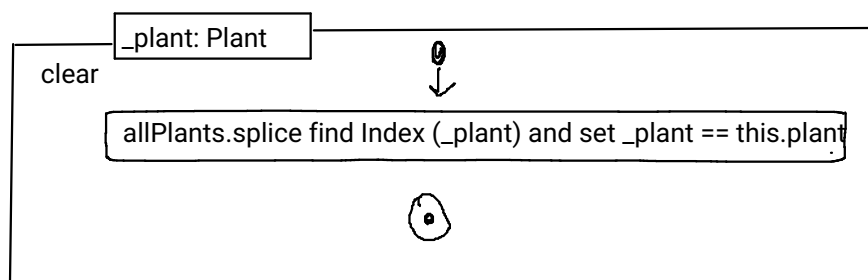
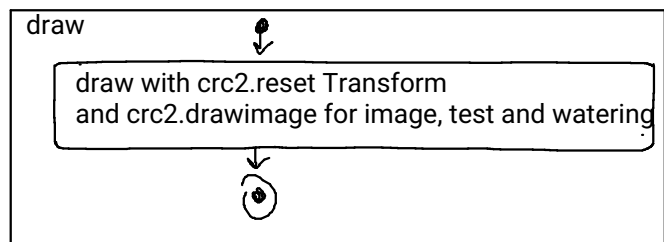
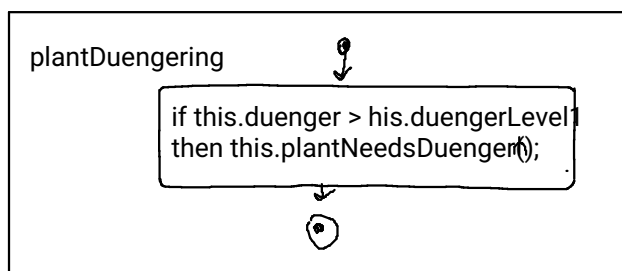
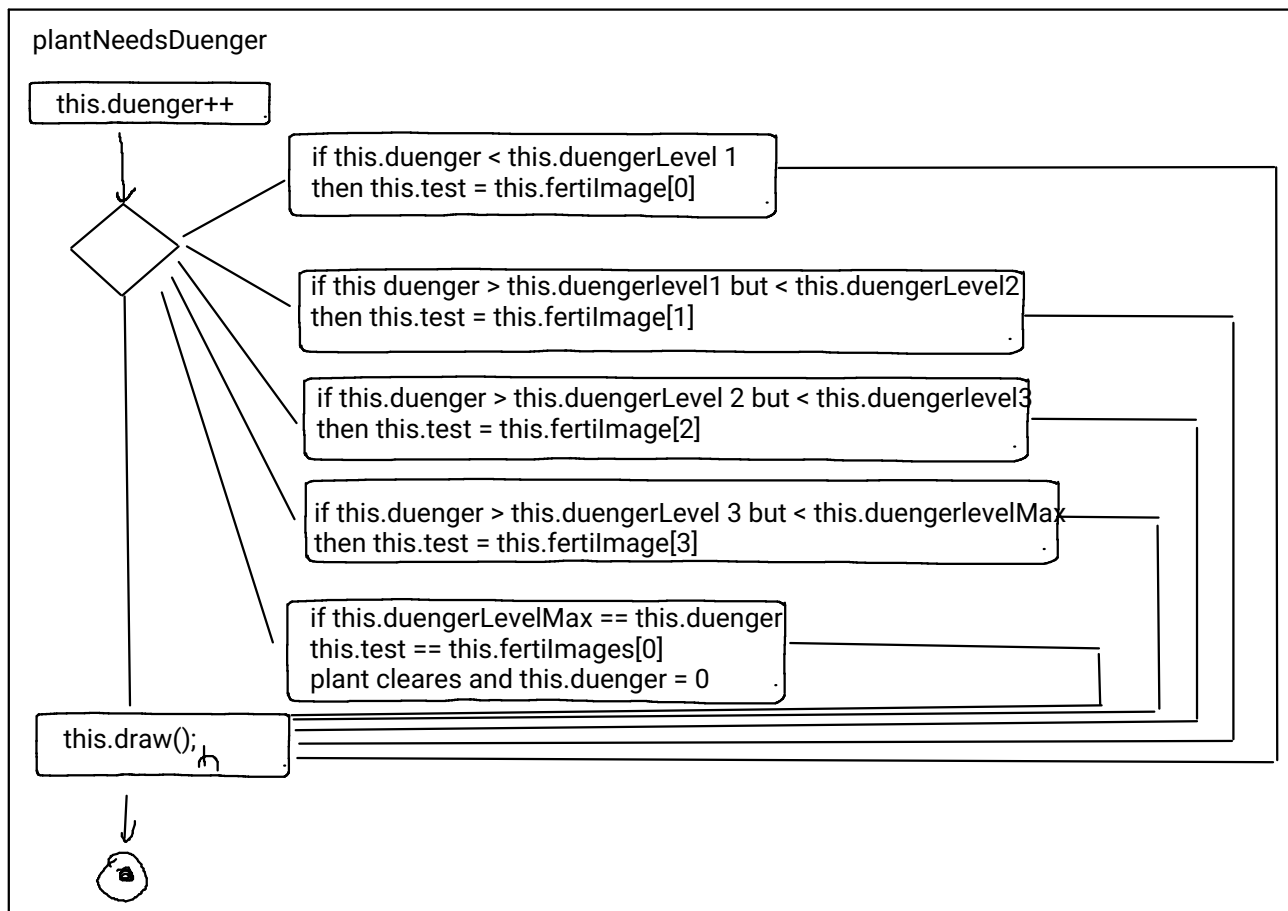


createBug

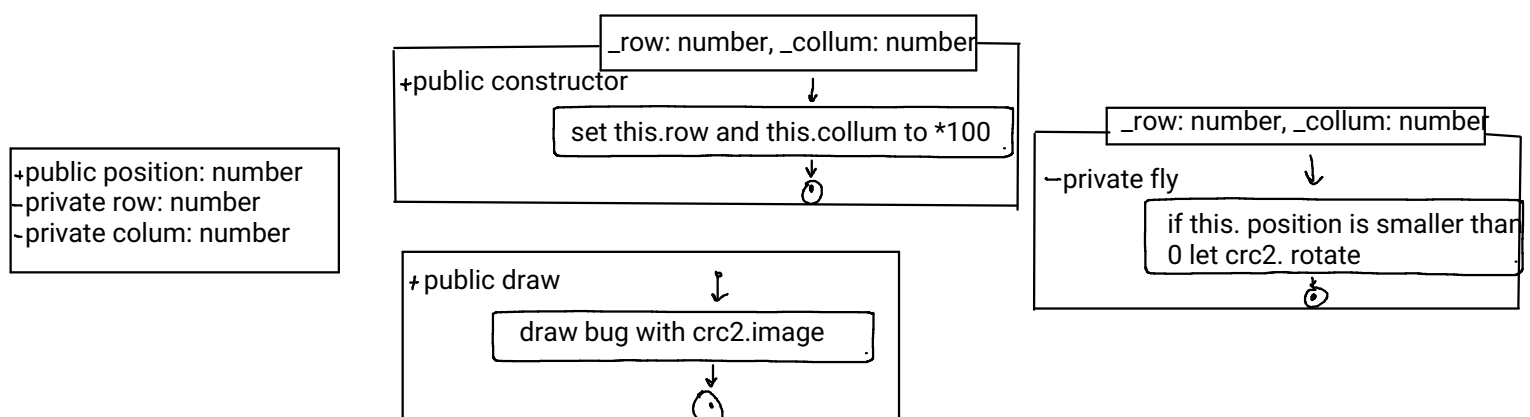
```

push all Bugs into new Bugs and get
random number of Bugs
    
```





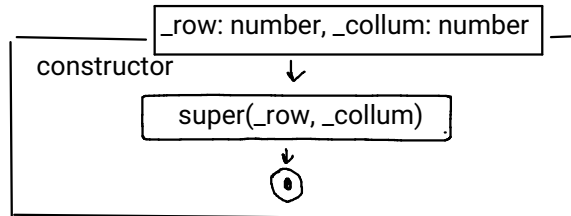
Bug



Carot

extends class Plant

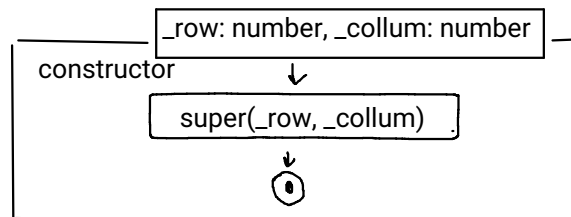
```
static price: number
static seedamount: number
static sellprice: number
priceNew: number
images: HTMLImageElement[]
image: HTMLImageElement
type: string
row: number
collum: number
finalAge: number
age1: number
age2: number
waterLevel1: number
waterLevel2: number
waterLevel3: number
waterLevelMax: number
duengerLevel1: number
duengerLevel2: number
duengerLevel3: number
duengerLevelMax: number
```



Melon

extends class Plant

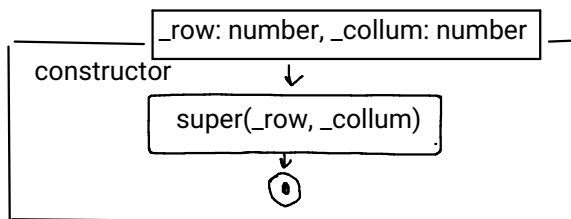
```
static price: number
static seedamount: number
static sellprice: number
priceNew: number
images: HTMLImageElement[]
image: HTMLImageElement
type: string
row: number
collum: number
finalAge: number
age1: number
age2: number
waterLevel1: number
waterLevel2: number
waterLevel3: number
waterLevelMax: number
duengerLevel1: number
duengerLevel2: number
duengerLevel3: number
duengerLevelMax: number
```



Radish

extends class Plant

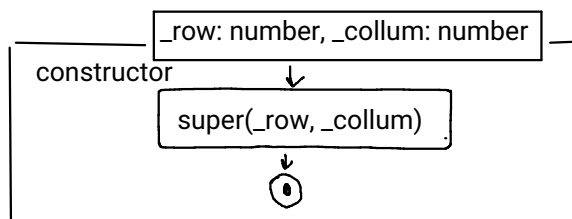
```
static price: number
static seedamount: number
static sellprice: number
priceNew: number
images: HTMLImageElement[]
image: HTMLImageElement
type: string
row: number
collum: number
finalAge: number
age1: number
age2: number
waterLevel1: number
waterLevel2: number
waterLevel3: number
waterLevelMax: number
duengerLevel1: number
duengerLevel2: number
duengerLevel3: number
duengerLevelMax: number
```



Salad

extends class Plant

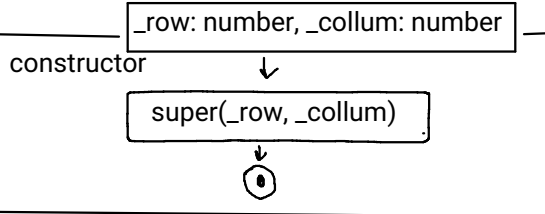
```
static price: number
static seedamount: number
static sellprice: number
priceNew: number
images: HTMLImageElement[]
image: HTMLImageElement
type: string
row: number
collum: number
finalAge: number
age1: number
age2: number
waterLevel1: number
waterLevel2: number
waterLevel3: number
waterLevelMax: number
duengerLevel1: number
duengerLevel2: number
duengerLevel3: number
duengerLevelMax: number
```



Cellery

extends class Plant

```
static price: number
static seedamount: number
static sellprice: number
priceNew: number
images: HTMLImageElement[]
image: HTMLImageElement
type: string
row: number
collum: number
finalAge: number
age1: number
age2: number
waterLevel1: number
waterLevel2: number
waterLevel3: number
waterLevelMax: number
duengerLevel1: number
duengerLevel2: number
duengerLevel3: number
duengerLevelMax: number
```



Anleitung Garten-Simulator

1. Stelle dein Kapital und die Preisschwankung ein und drücke auf Start
2. Kaufe dir beliebig viele Samen aus dem Shop
! Achtung: Der Preis ändert sich ständig
3. Pflanze eine (oder mehrere) Pflanzen auf einen der Felder
4. Wenn ein Wasserzeichen erscheint: Bewässer die Pflanze
5. Wenn ein brauner Tropfen erscheint: Füge der Pflanze Dünger hinzu
6. Wenn ein Schädling erscheint: Töte ihn mit Pestiziden
7. Wenn die Pflanze ausgewachsen ist, kannst du sie ernten und kriegst Geld dafür
8. Von dem erhaltenen Geld kannst du neue Saaten kaufen und Pflanzen pflanzen