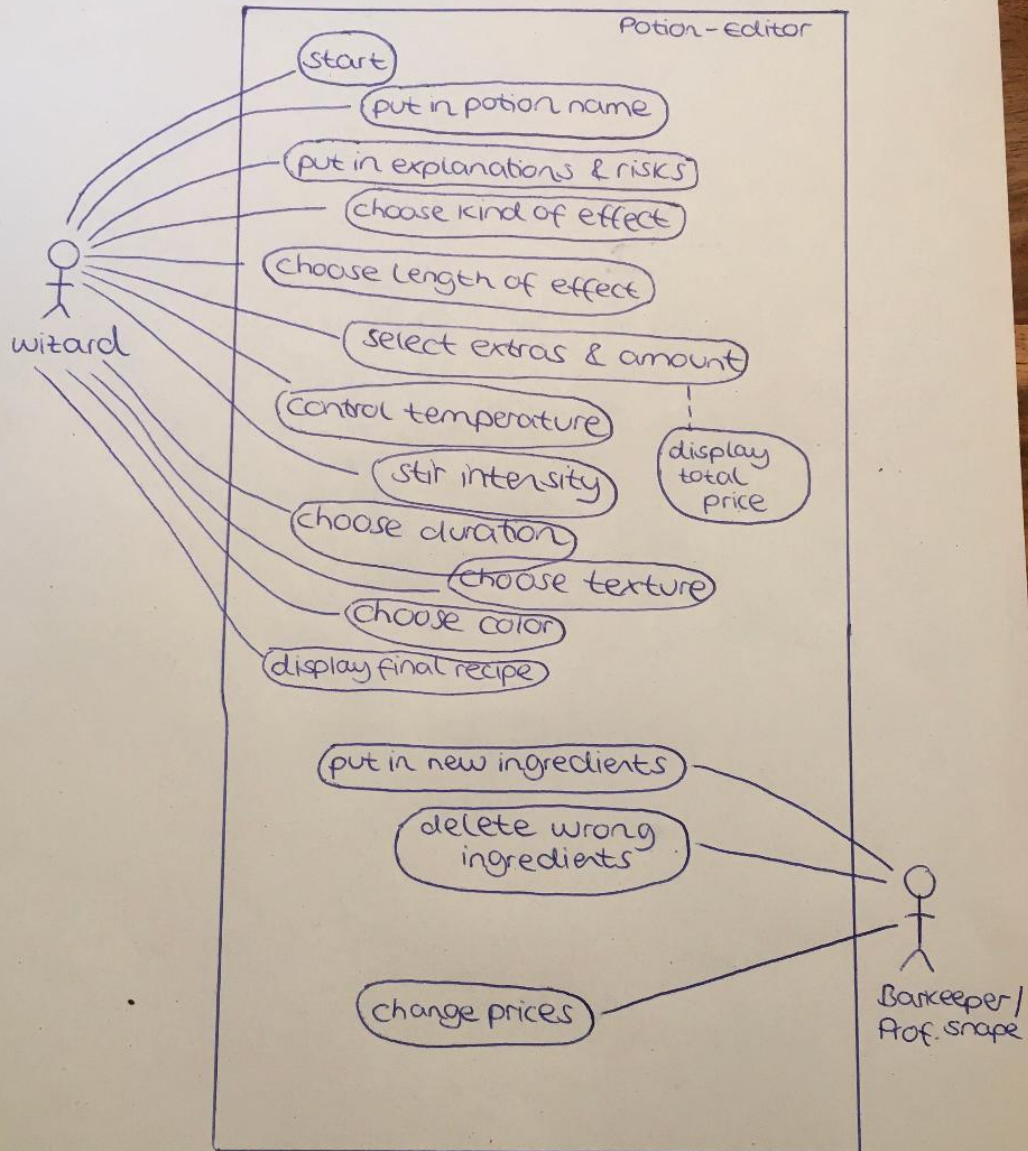
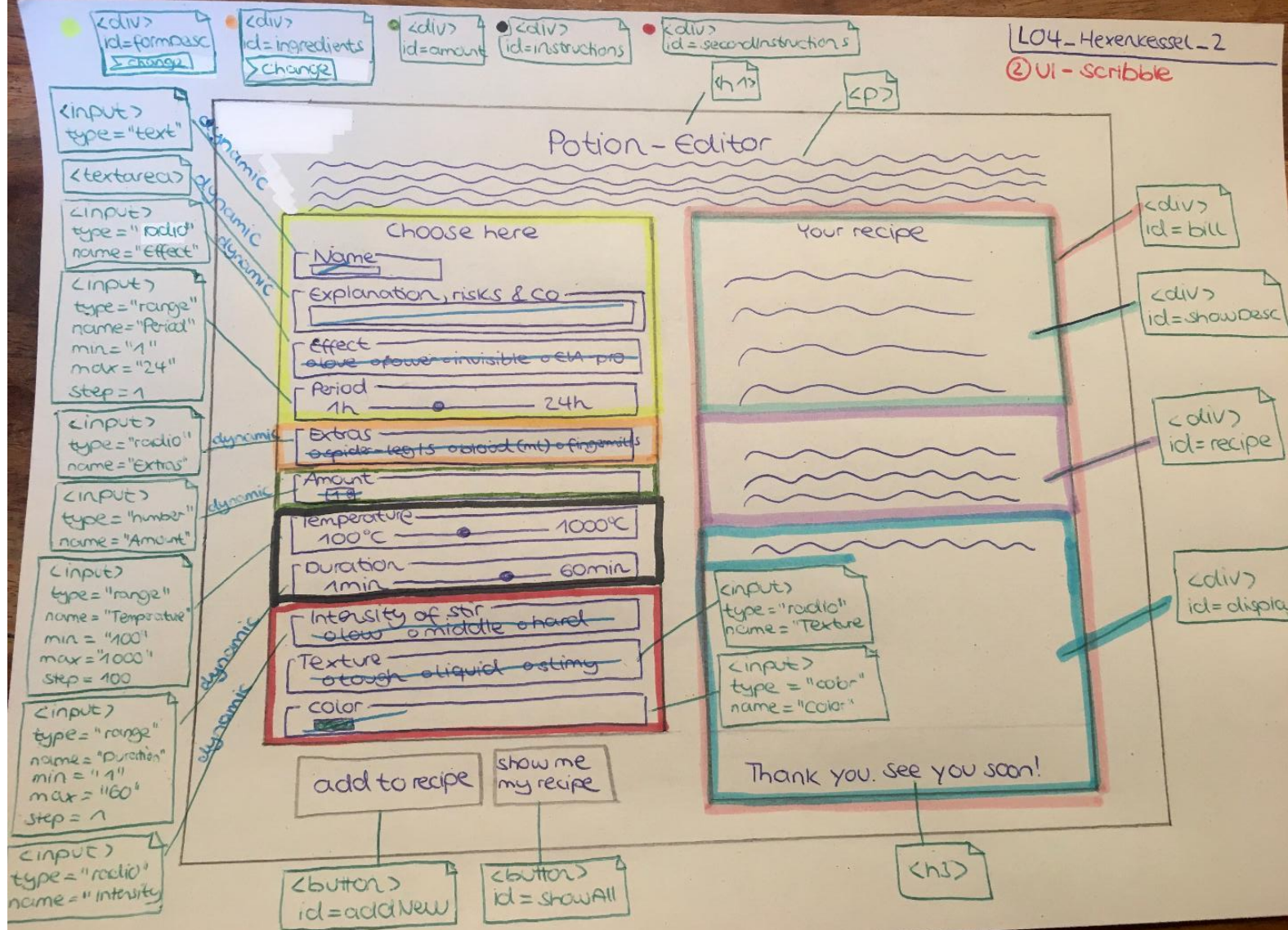


## L04 - Hexenkessel - Datenstruktur

### ① Use-case-Diagramm







### ③ Data Structures

category	name : string	price : number
Potion	Name	
Explanation	Explanation	
Effect	love power invisible EIA-pro	
Amount	amount	
Intensity	low middle hard	
Texture	tough liquid slimy	
Color	#458B74	
Extras	spider-legs blood (mL) finger-nail/s	100.00 300.00 12.00

### JSON

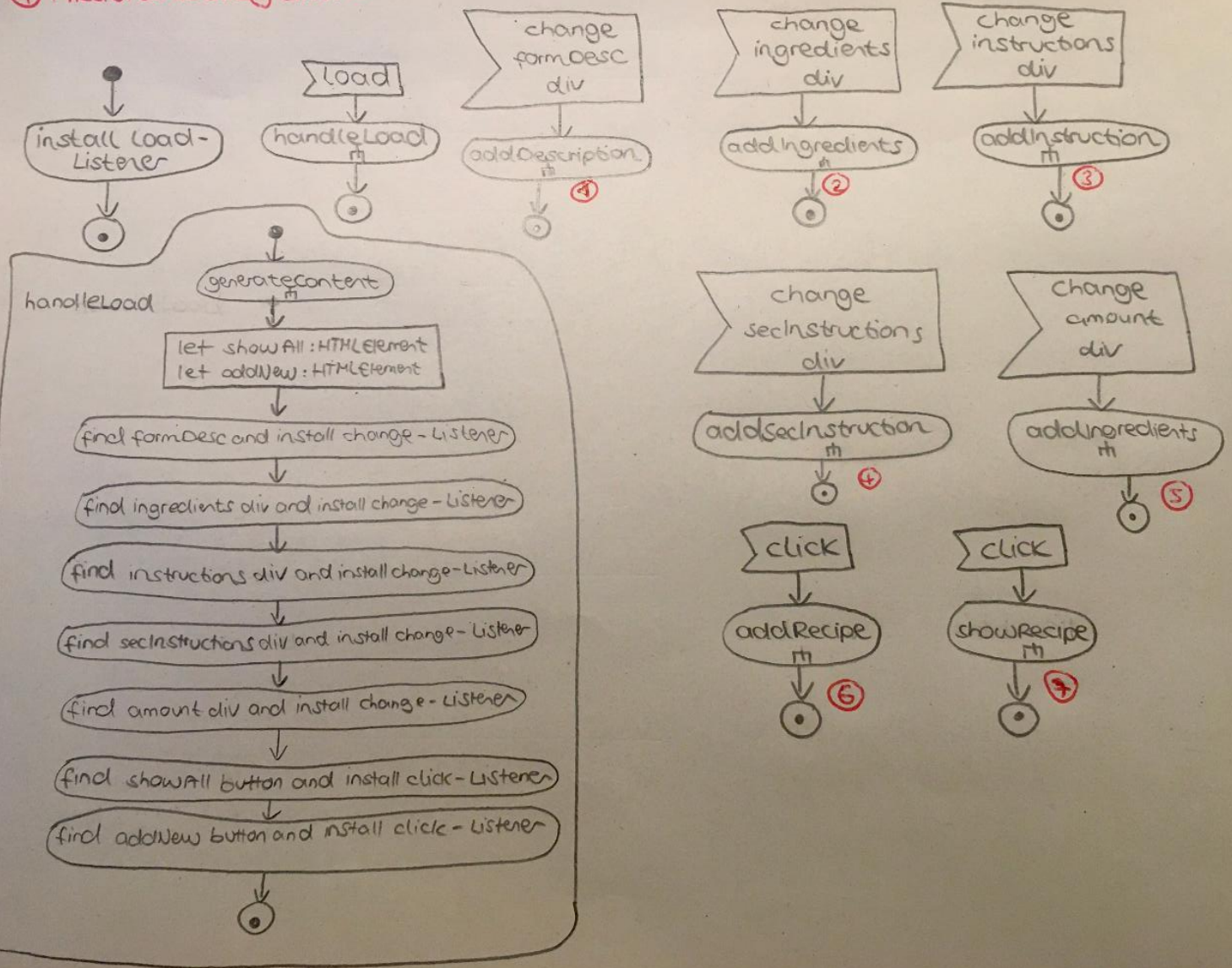
```

{
  Potion: [{name: "Name"}],
  Explanation: [{name: "Explanation"}],
  Effect: [{name: "love"},
            {name: "power"},
            {name: "invisible"},
            {name: "EIA-pro"}],
  Amount: [{name: "amount"}],
  Intensity: [{name: "low"},
               {name: "middle"},
               {name: "hard"}],
  Texture: [{name: "tough"},
             {name: "liquid"},
             {name: "slimy"}],
  Color: [{name: "#458B74"}],
};

{
  Extras: [{name: "spider-legs", price: 100.00},
            {name: "blood (mL)", price: 300.00},
            {name: "finger-nail/s", price: 12.00}]
}

```

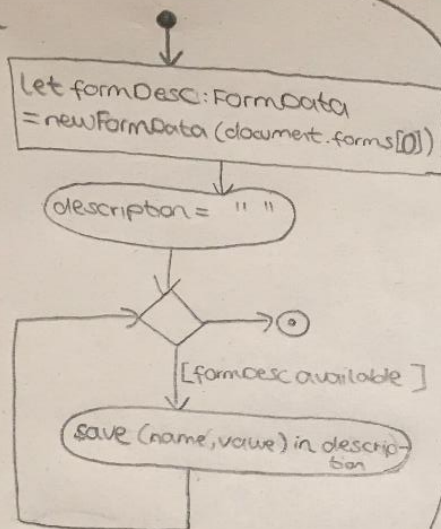
#### ④ Aktivitätsdiagramm





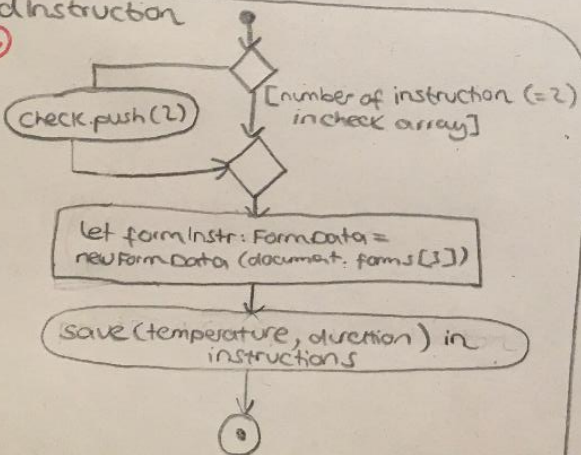
### addDescription

①



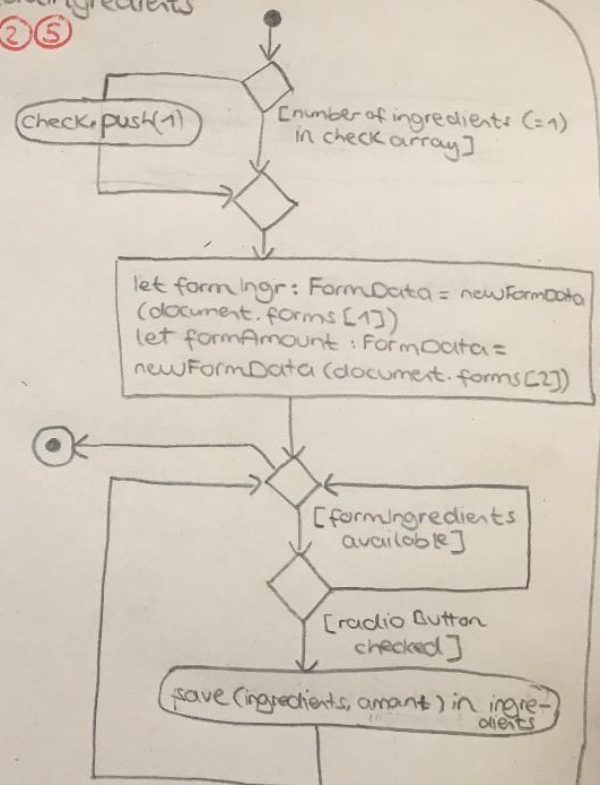
### addInstruction

③



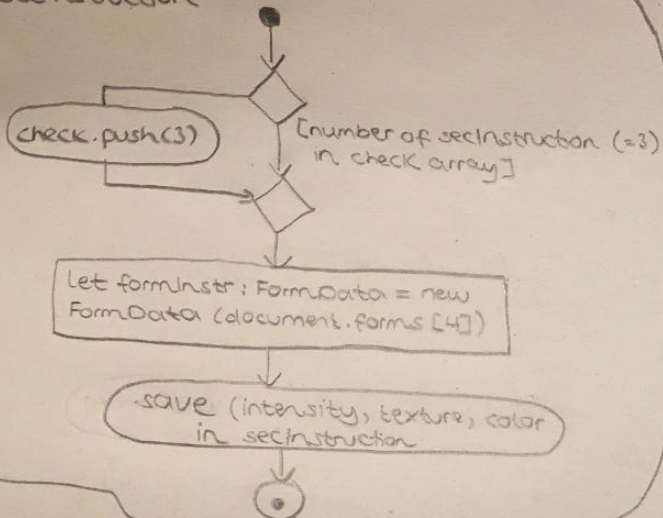
### addIngredients

②⑤



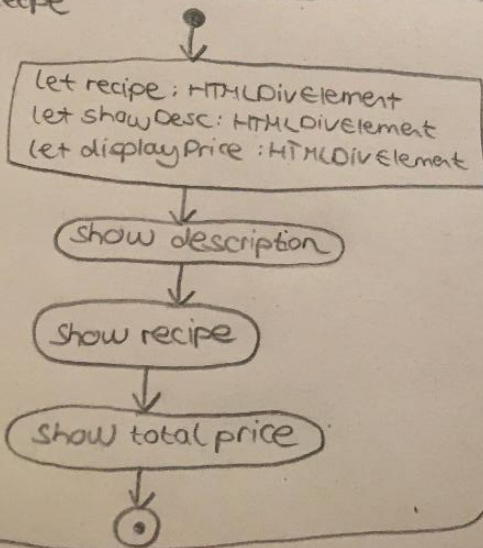
#### addSecInstruction

④



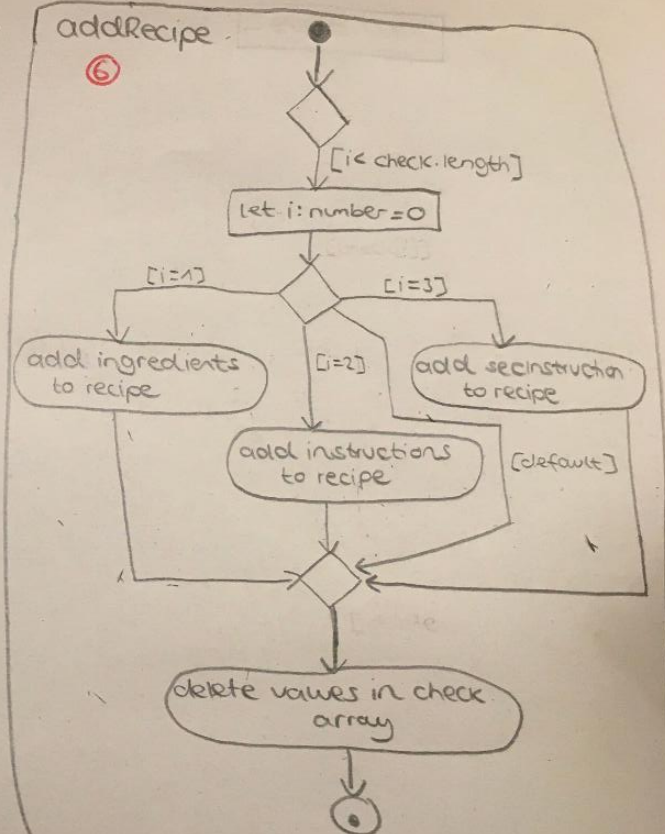
#### ShowRecipe

⑦



#### addRecipe

⑥



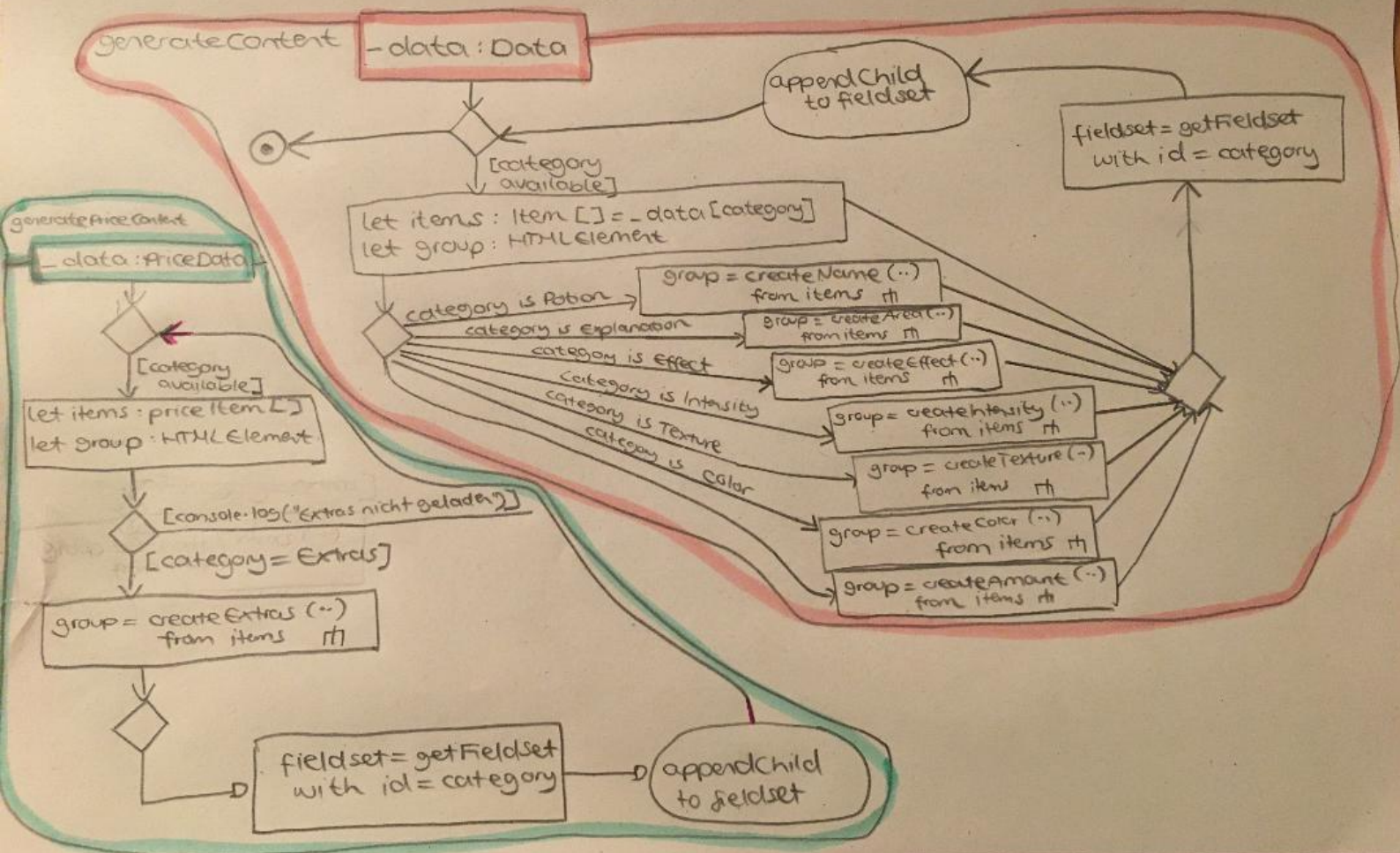


Item  
name: string

priceItem  
name: string  
price: number

Data  
[category: string]: Item[]

PriceData  
[category: string]: priceItem[]



8

calculatePrice

- price : number [], - amount : number []

let totalAmount : number  
let sickel : number  
let knut : number  
let galleonen : number

[ - prices available ]

totalAmount = - prices.getNextPrice \*  
- amount.getNextAmount

[ totalPrice < 493 ]

galleonen = totalPrice / 493

sickel = (galleonen % 493) / 29

knut = sickel % 29

[ totalPrice < 29 ]

sickel = totalPrice / 29

knut = totalPrice % 29

totalPrice + "knut"

sickel + "sickel" + knut + "knut"

totalPrice + galleonen + "galleonen" + sickel +  
"sickel" + knut + "knut"