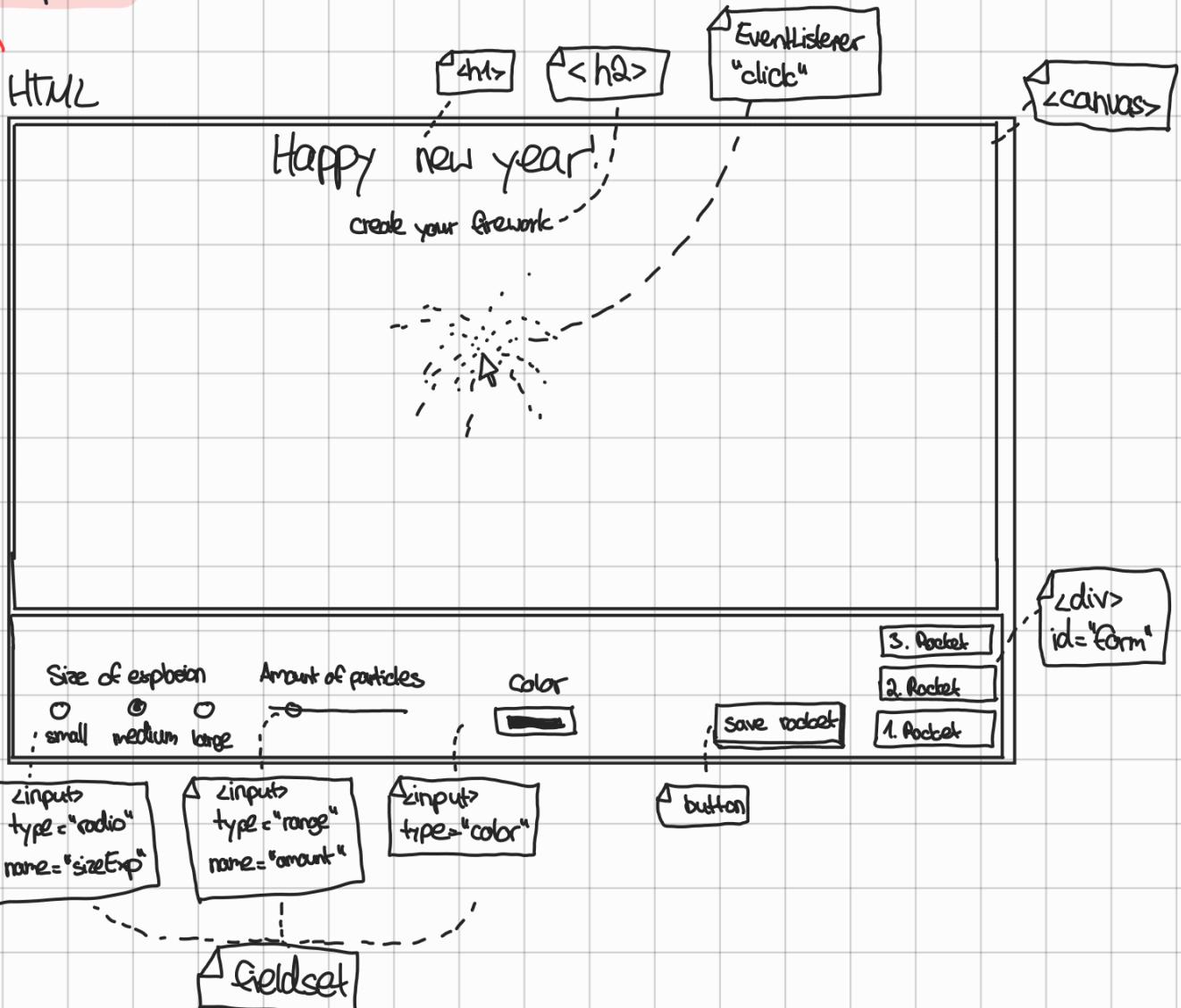


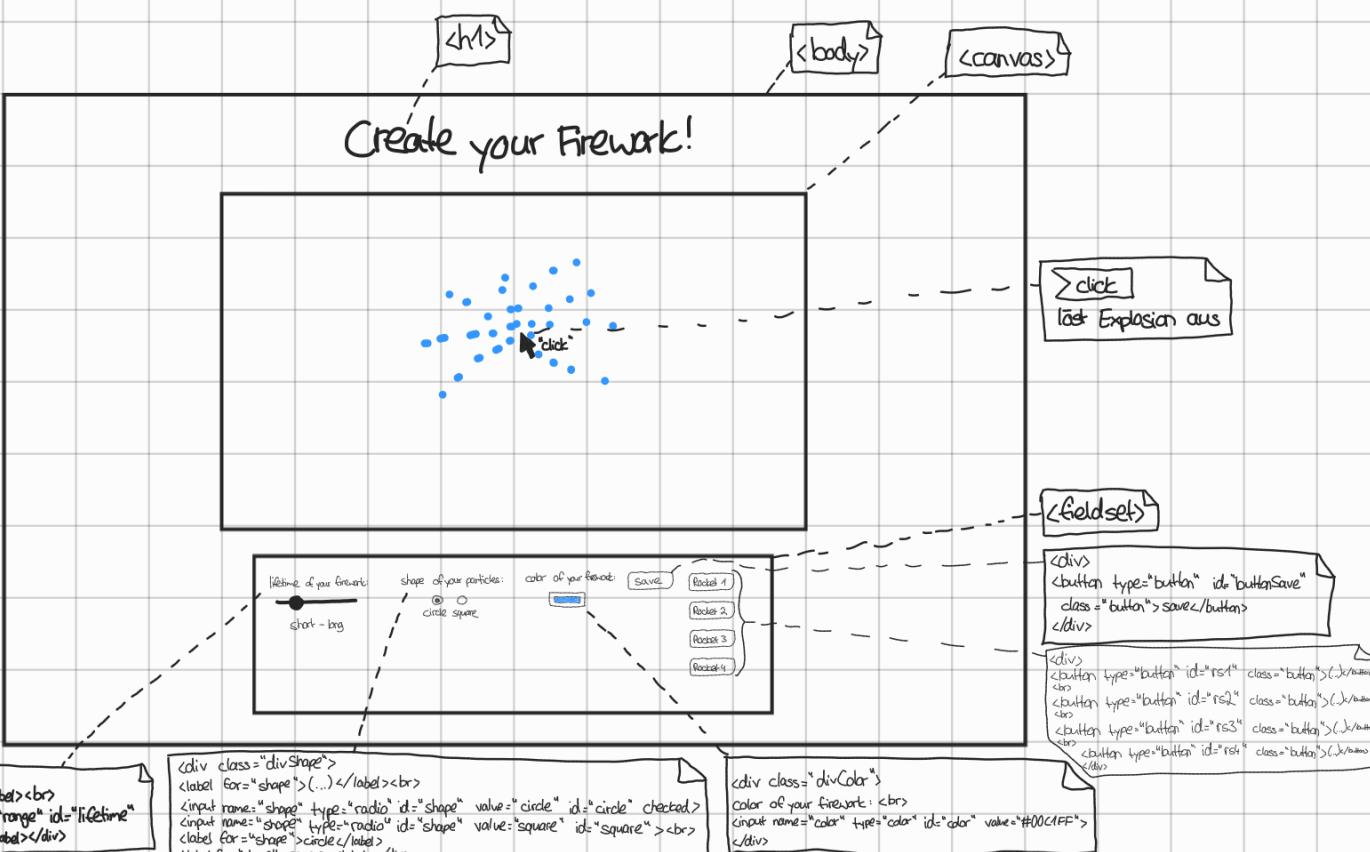
# UI-Scribble

## 1. Version

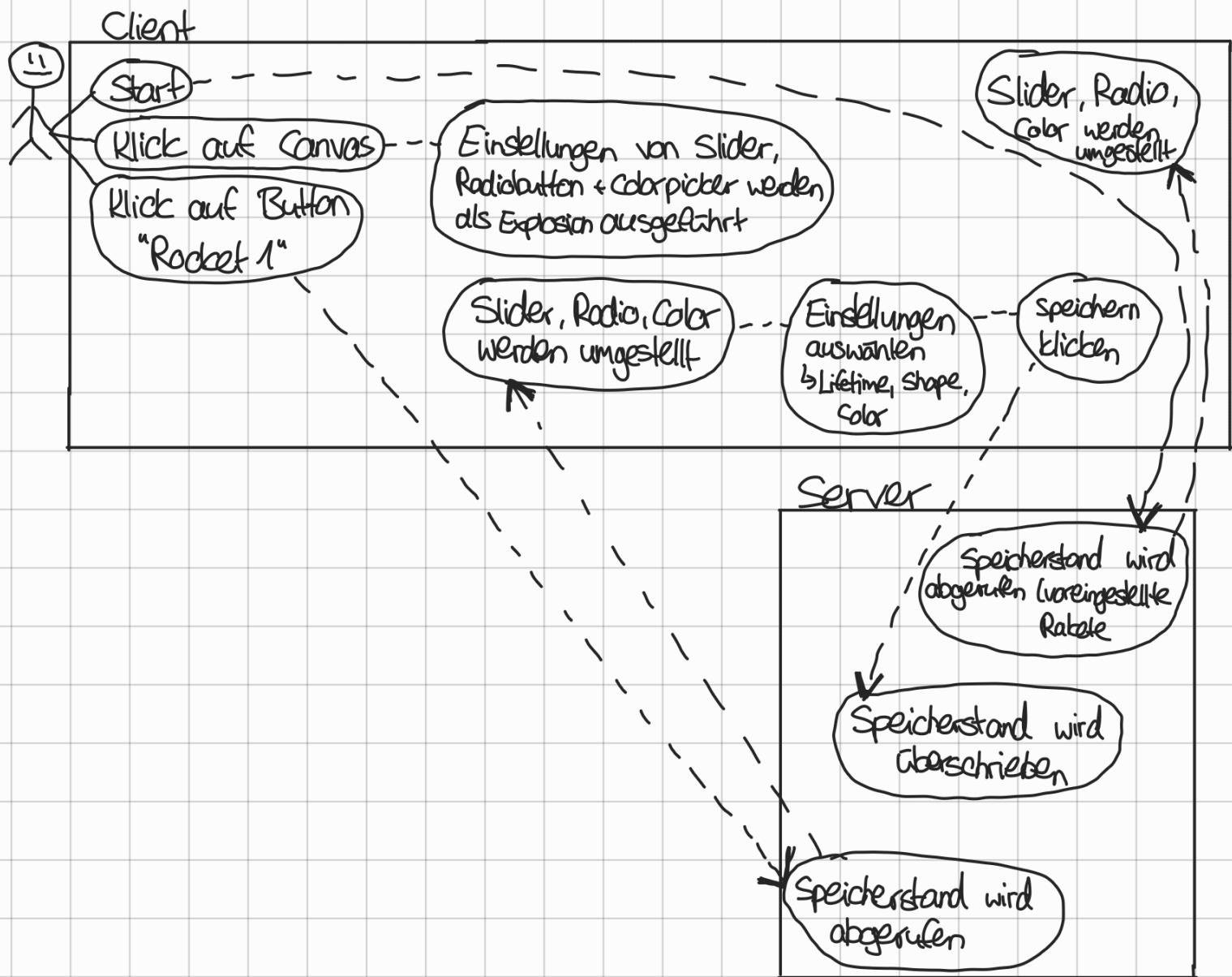
HTML



## 2. Version



# Use Case



# Classes

```

Vector
x: number
y: number
constructor(-x, -y){
    this.set(-x, -y)
}
set(-x, -y): void
add(_addend: Vector): void

```

```

Rocket
position: Vector
color: string
shape: string
lifetime: number
Particles: Particle[]
constructor(-position, -color, -shape,
-lifetime){
    this.position = new Vector(this.position.x,
                                this.position.y)
    this.color = _color
    this.shape = _shape
    this.lifetime = _lifetime
}
explode()

```

**Particle**

```

position: Vector
amount: number
size: number
color: string
lifetime: number
shape: string
opacity: number
velocity: Vector
constructor(_color, _shape, -position, -lifetime){
    velocity = new Vector(this.velocity.x, this.velocity.y)
    position = new Vector(this.position.x, this.position.y)
    this.position = -position
    this.color = _color
    this.size = Math.random
    this.velocity = -velocity (Math.random)
    this.opacity = 1
    this.lifetime = -lifetime
}
move();

```

**Circle**

Circle extends Particle

```

constructor(_color: string,
-position: Vector, -lifetime: number)
{ this.draw() }

```

**Square**

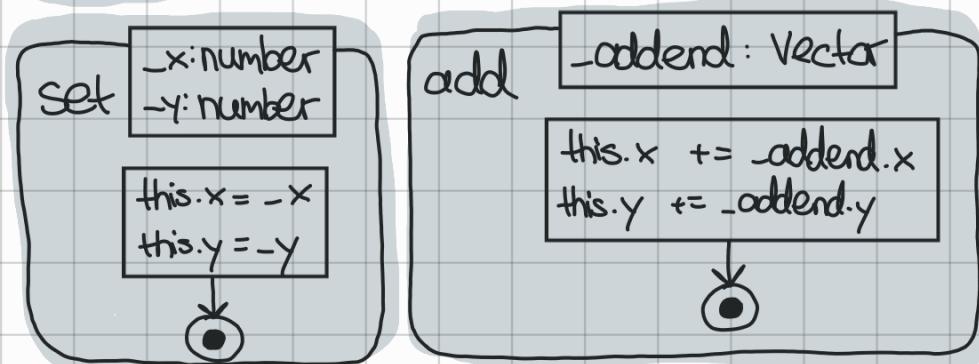
Square extends Particle

```

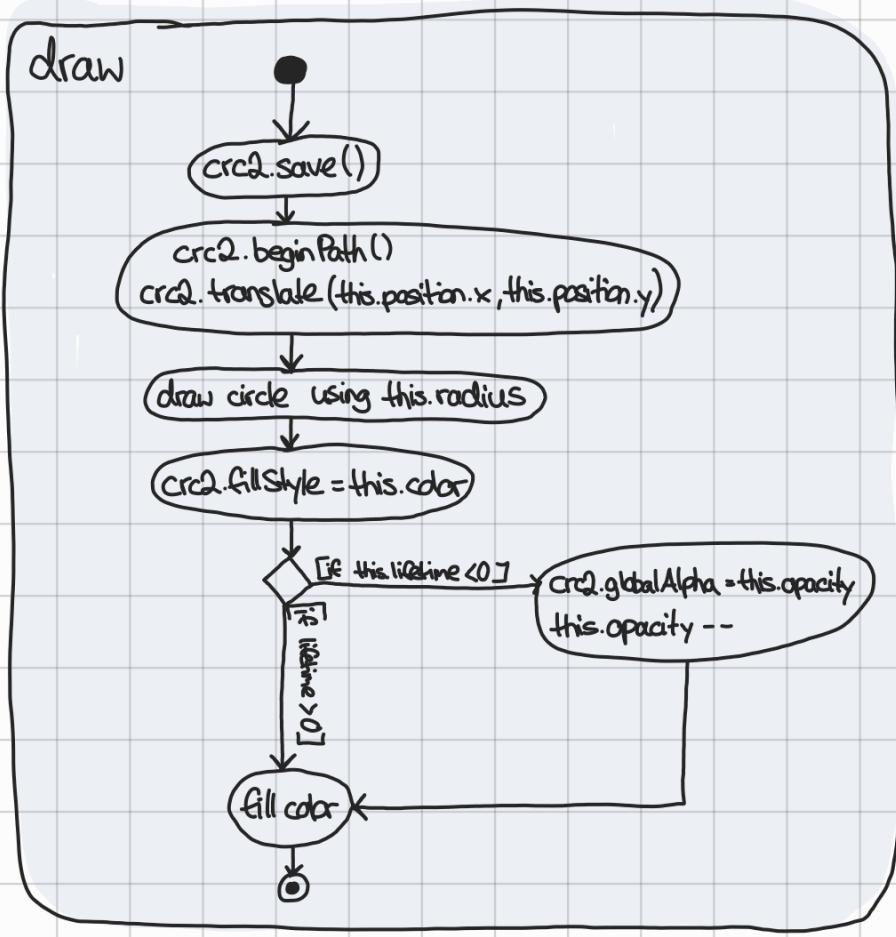
constructor(_color: string,
-position: Vector, -lifetime: number)
{ this.draw() }

```

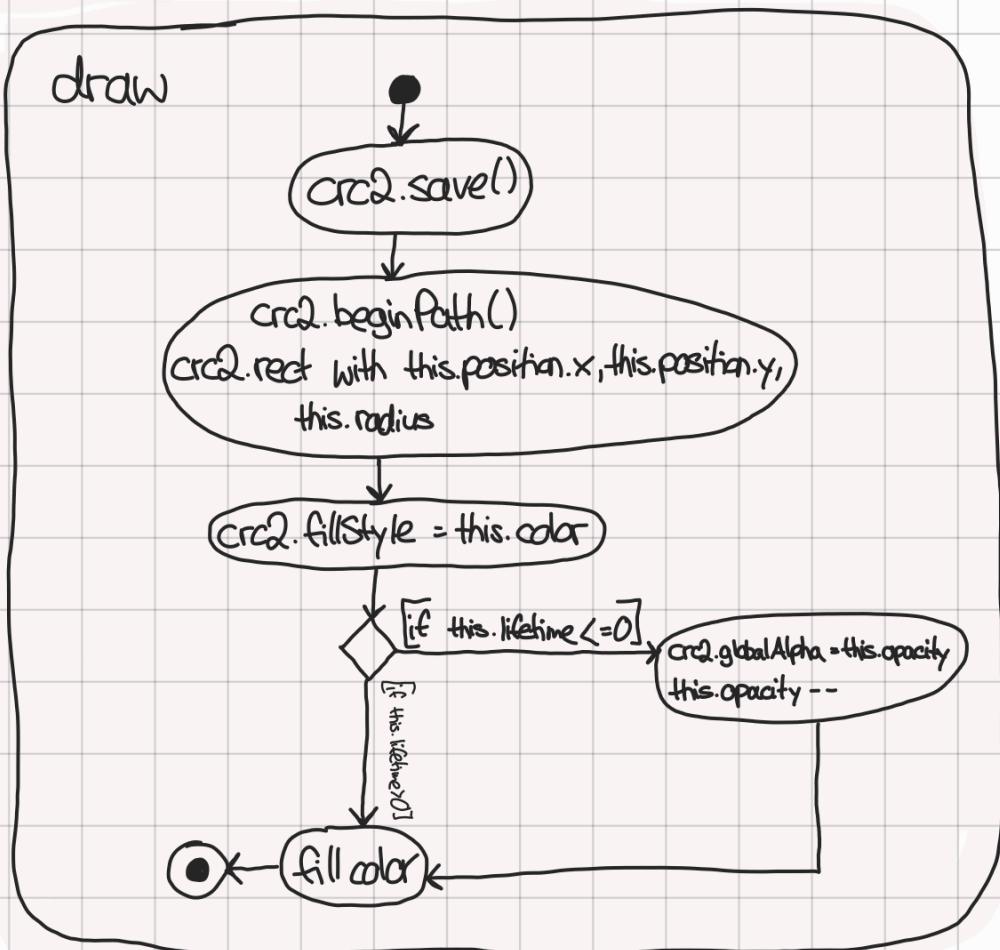
## Vector



## Circle

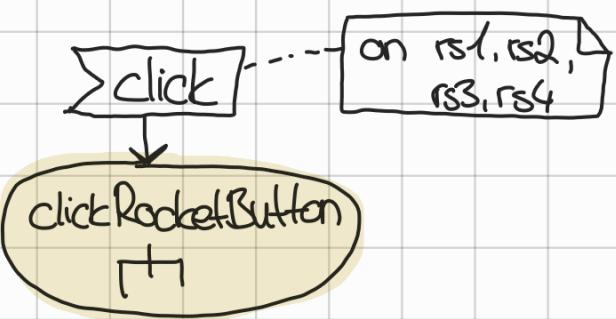
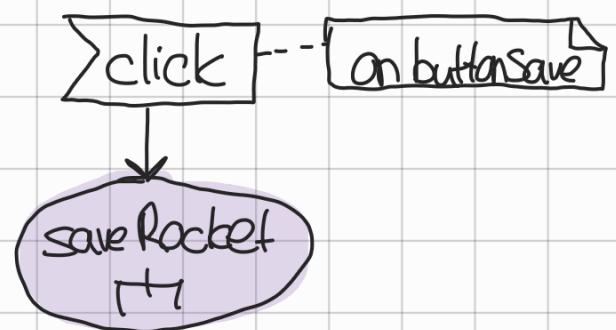
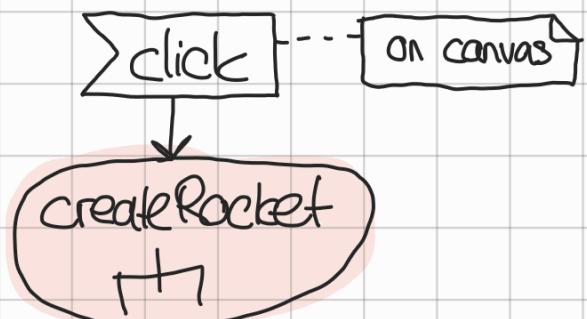
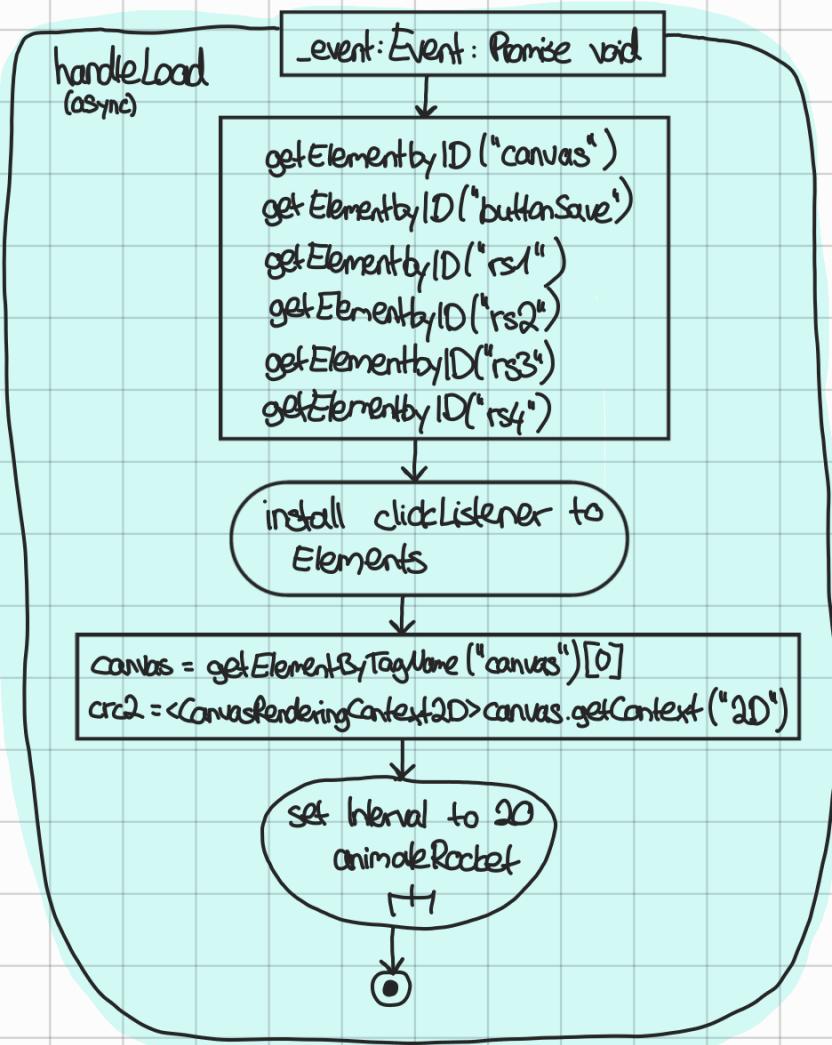
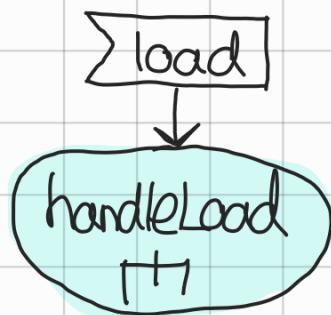
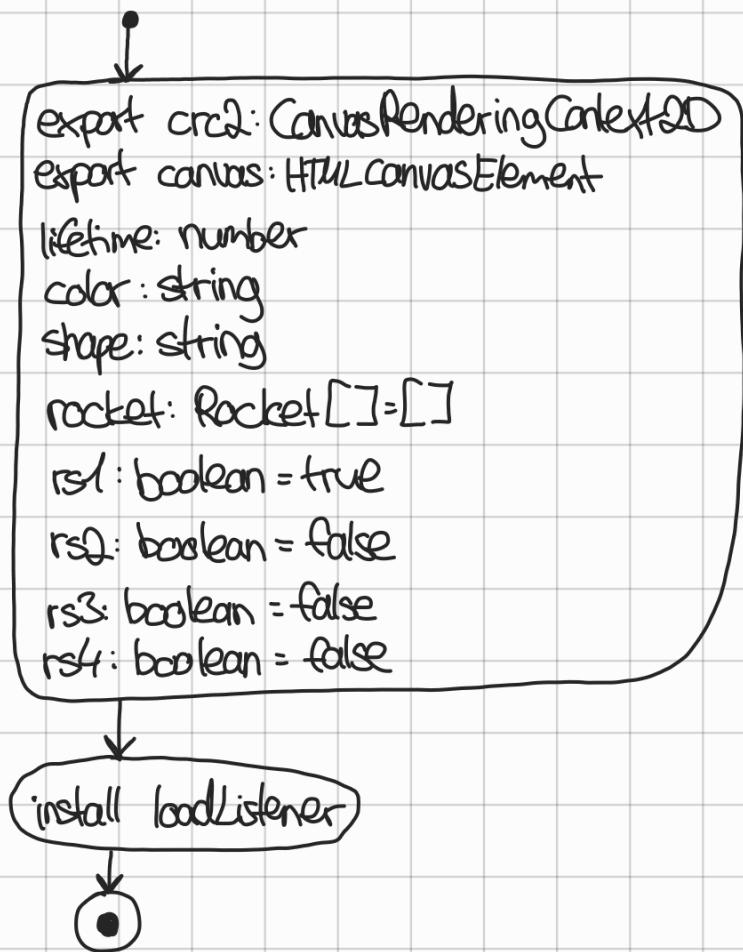


## Square

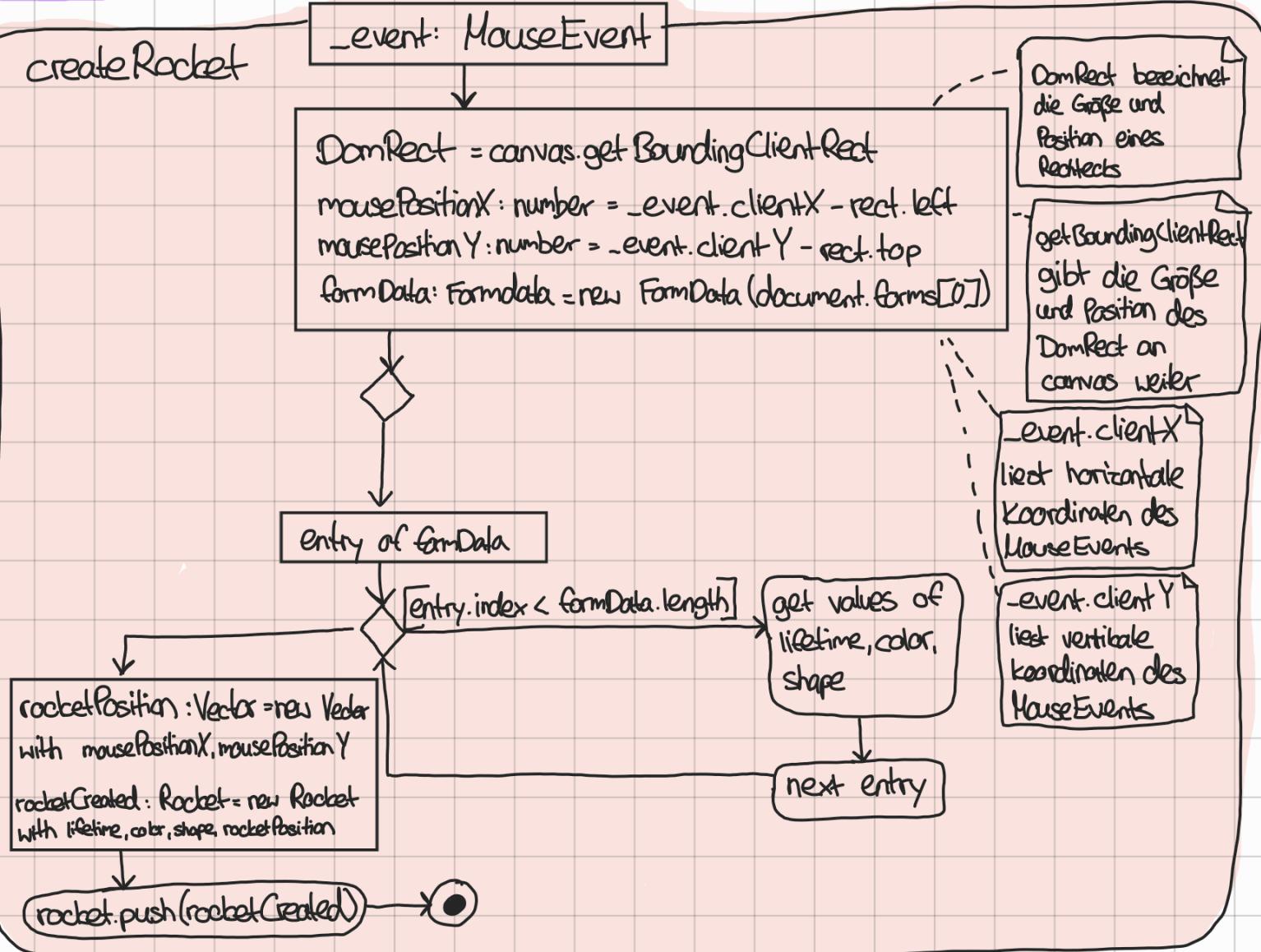


# Script.ts (1)

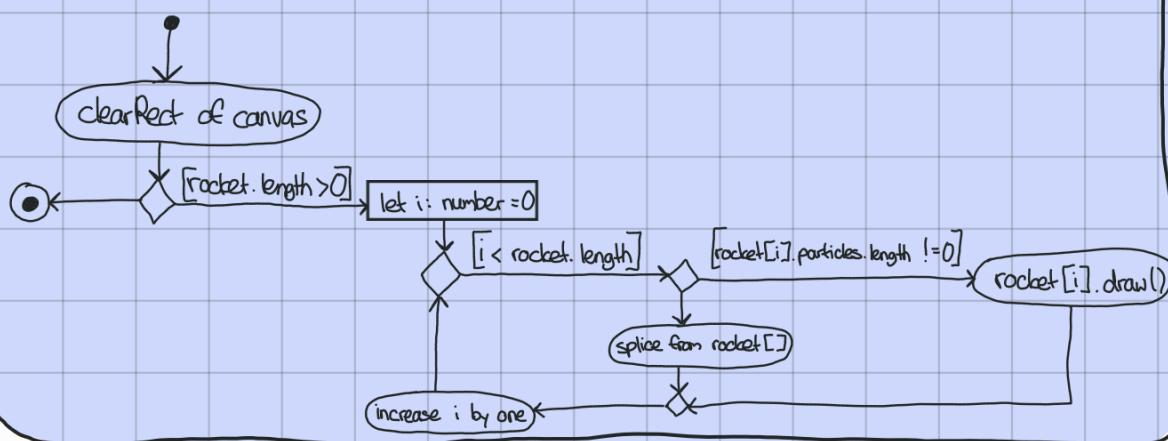
## Activity Diagram



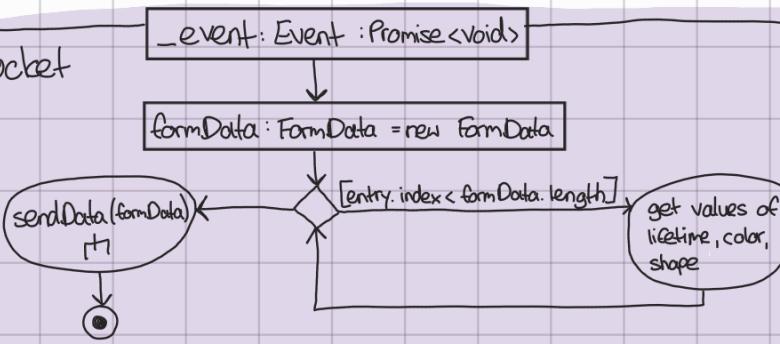
## script.ts (2)



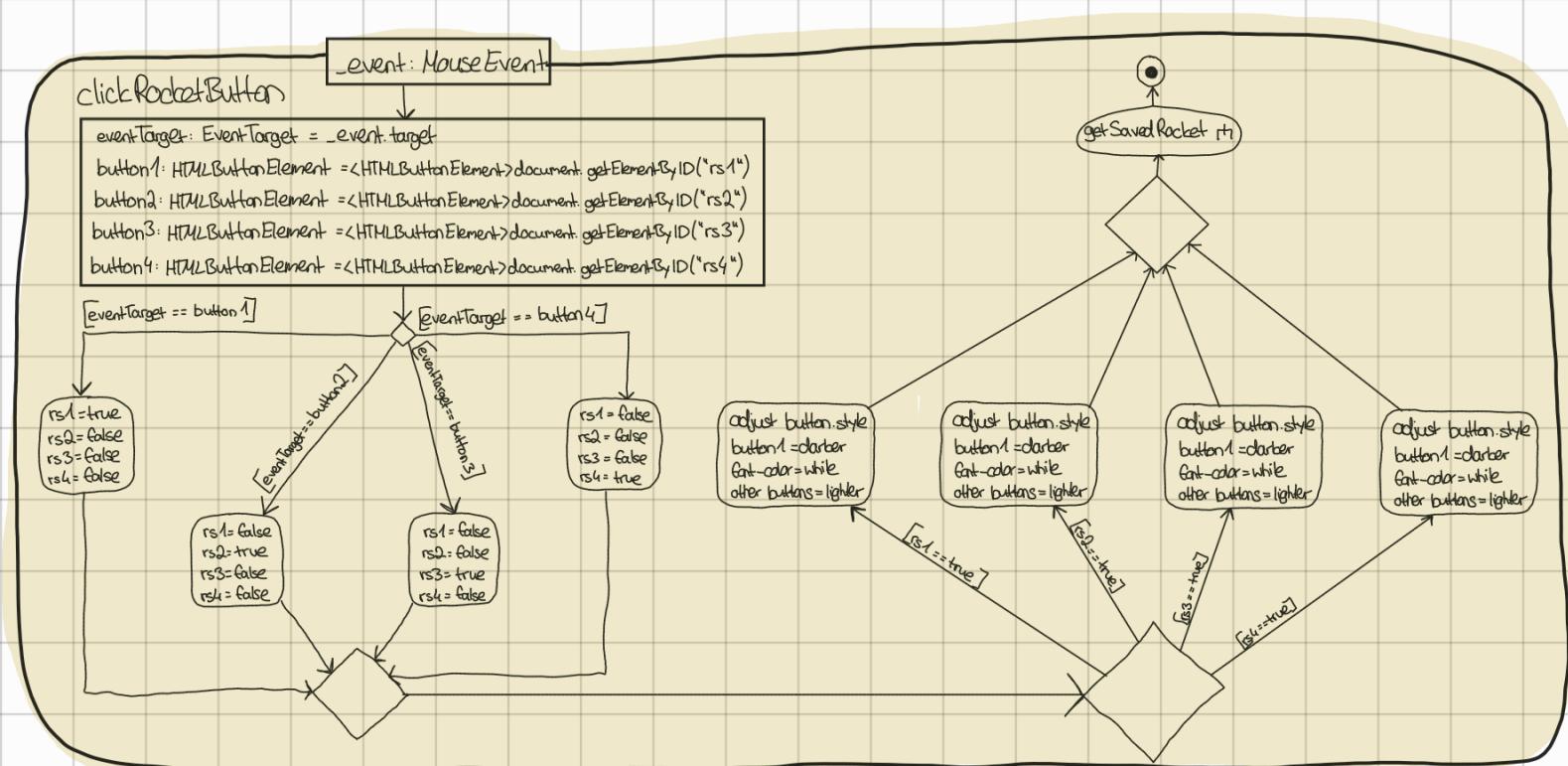
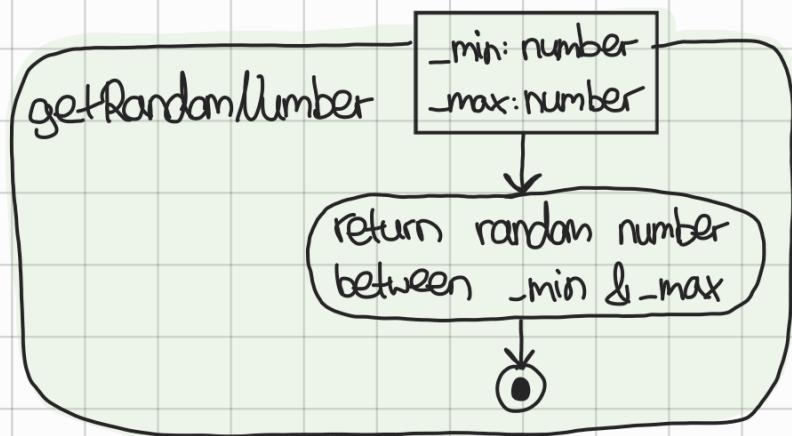
## animateRocket



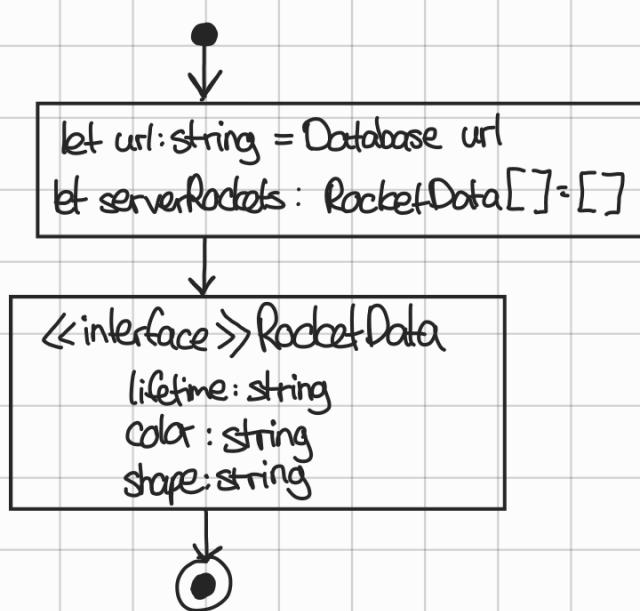
## Save Rocket



## Script.ts (3)



## Server



sendData

\_formData: FormData

<<interface>> FormDataJSON  
key:string : FormDataEntryValue[]

let json: FormDataJSON = {}

[for let key of FormData.keys]

!json[key]

let values = get all keys

(json[key] = values.length > 1 ? values : values[0])

let query = new URLSearchParams

set query to update (command)  
set query to Rackets (collection)

[rs4 = true]

[rs1 = true]

[rs2 = true]

[rs3 = true]

set query to 1. ID

set query to 2. ID

set query to 3. ID

set query to 4. ID

set query data to  
JSON.stringify(json)

get Saved Rocket

Splice alle aus serverRockets[]

```
await: let response = fetch url + find collection  
let item = response.text  
let data = JSON.parse(item)
```

for let key in data["data"]

push data["data"][key]  
into serverRockets[]

```
let lifetime: HTMLInputElement = #lifetime  
let color: HTMLInputElement = #color  
let shape: HTMLInputElement = #shape
```

[rs1 == true]

let r1 = serverRocket[0]

set value of lifetime,  
color, shape to equals  
in Array of clicked  
Button

[rs2 == true]

let r2 = serverRocket[1]

set value of lifetime,  
color, shape to equals  
in Array of clicked  
Button

[rs3 == true]

let r3 = serverRocket[2]

set value of lifetime,  
color, shape to equals  
in Array of clicked  
Button

[rs4 == true]

let r4 = serverRocket[3]

set value of lifetime,  
color, shape to equals  
in Array of clicked  
Button

return serverRockets