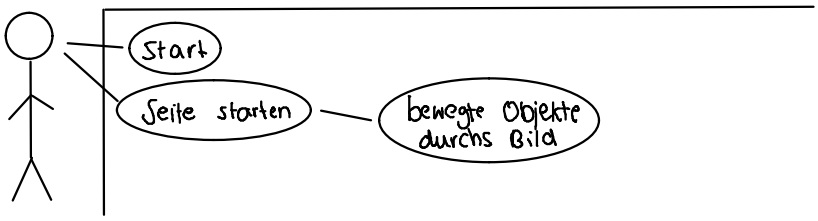
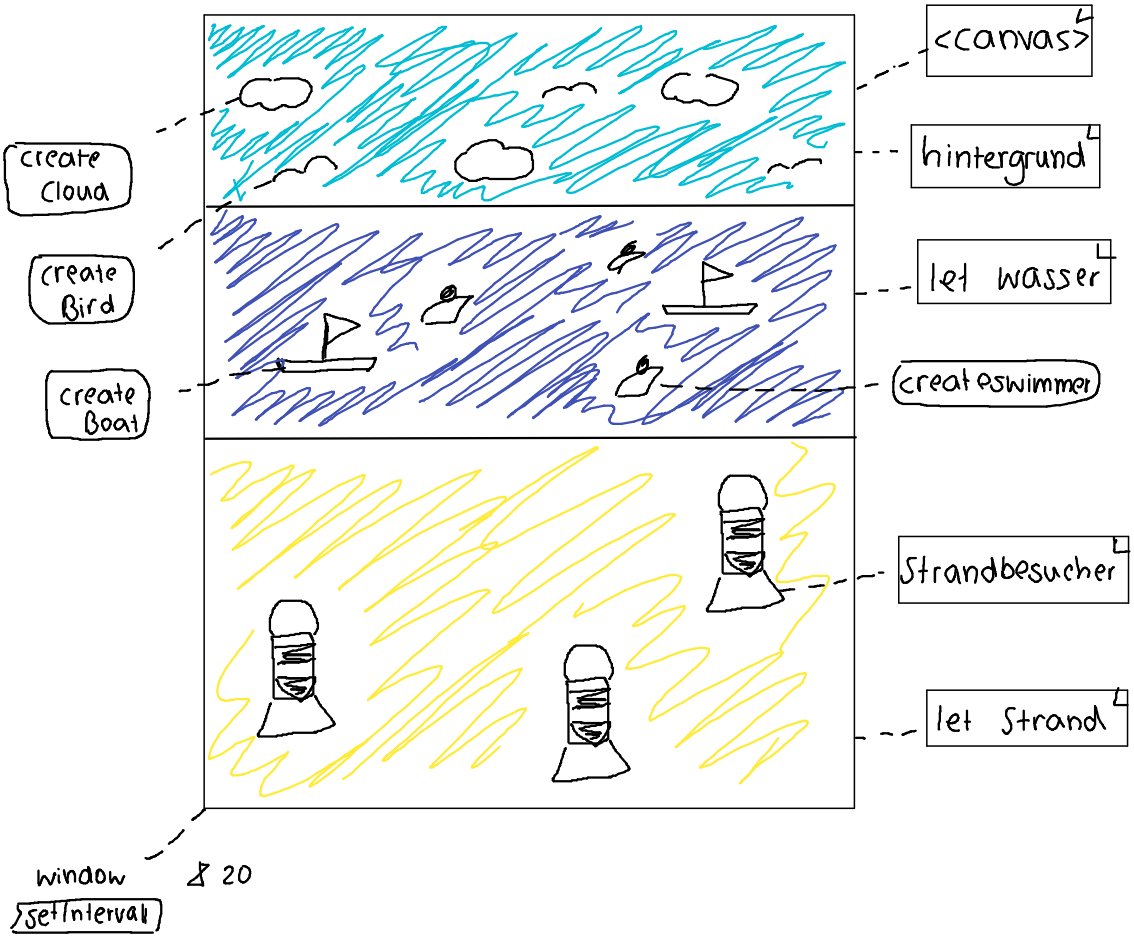
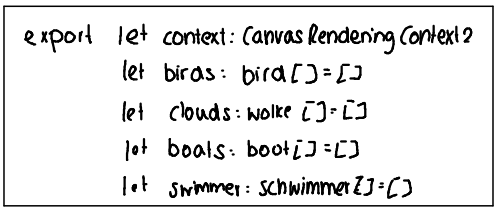
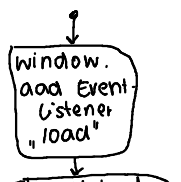
In Zusammenarbeit mit Celine:

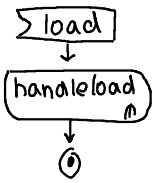


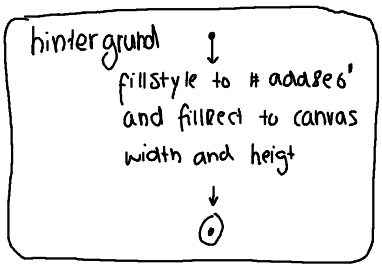



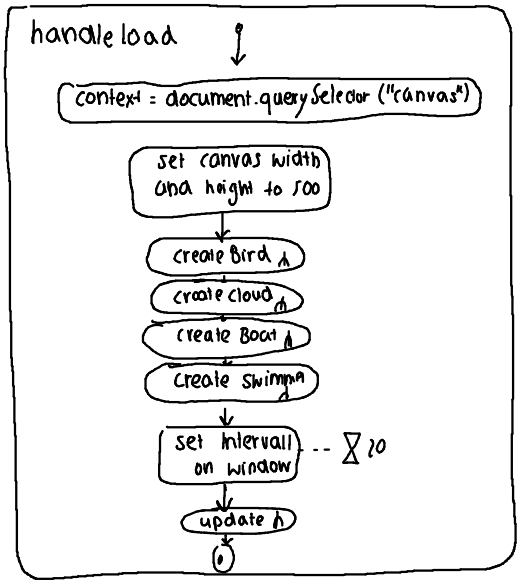

Activity Dingramm

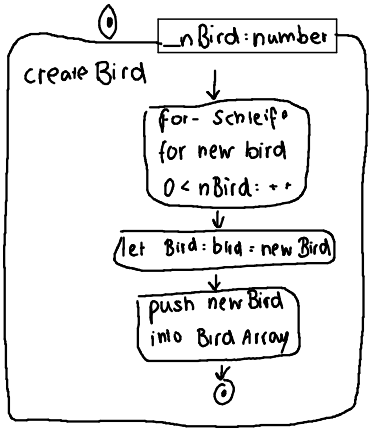


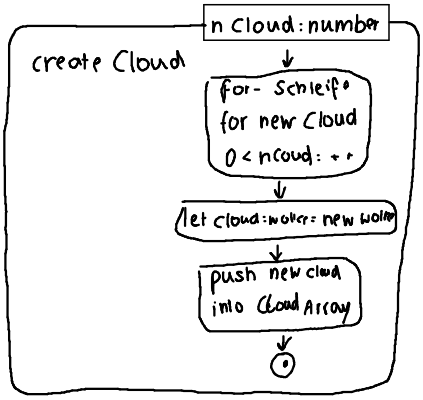



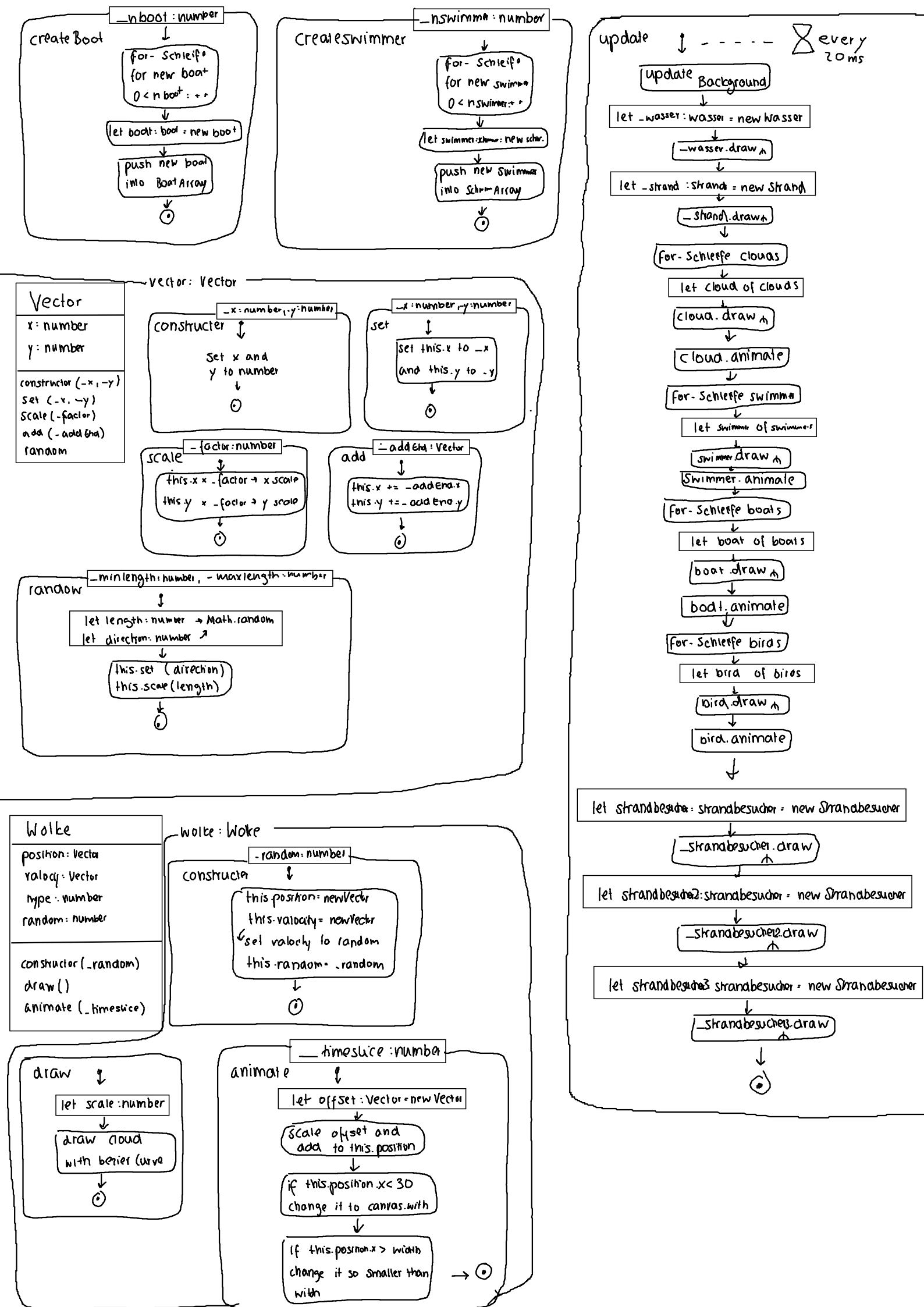



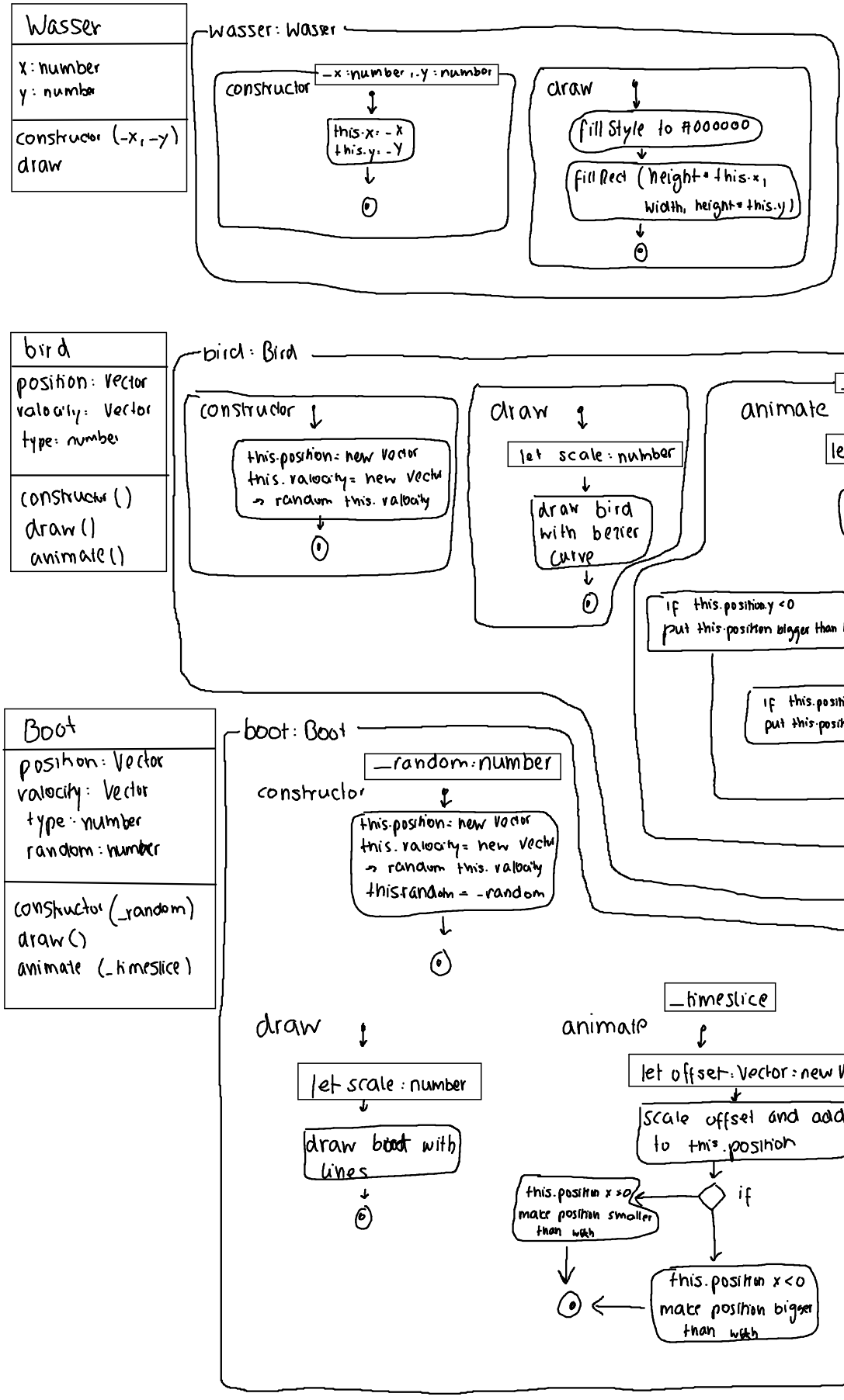



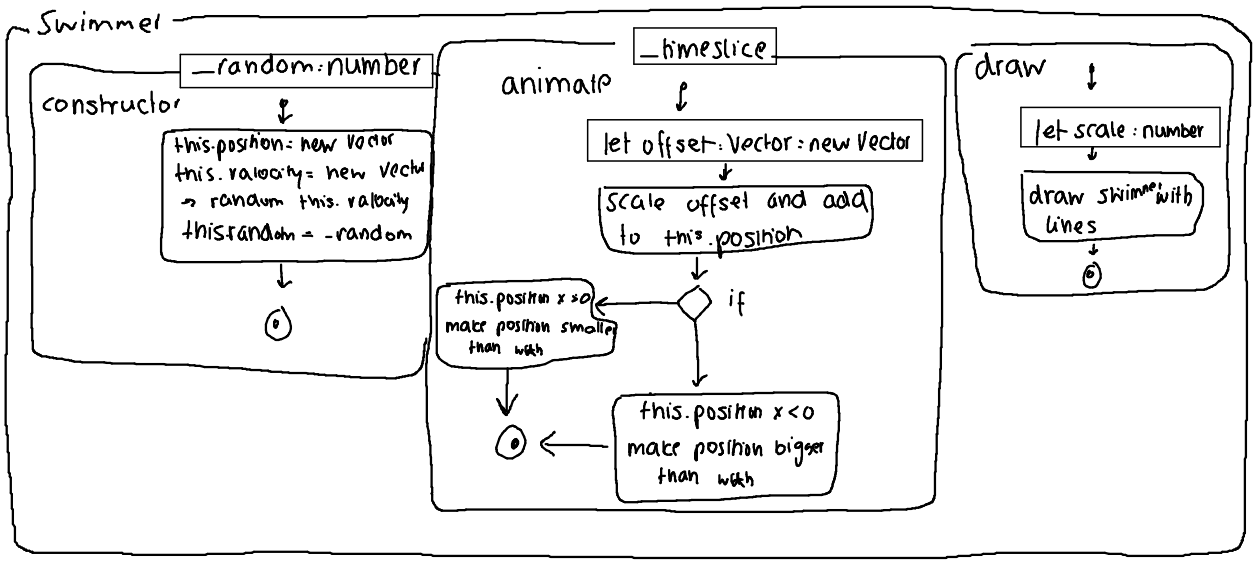



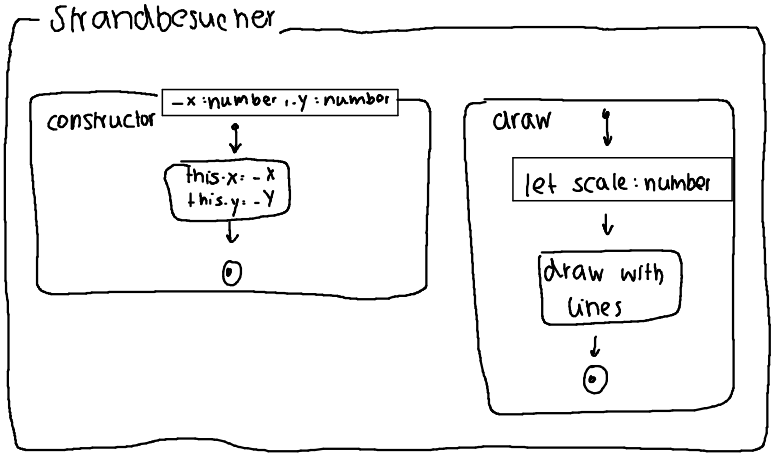

createBoot
_nboot : number
for- Schleife for new boat 0 < nboot : ++
let boat: boot = new boot
push new boat into BoatArray
createSwimmer
_nSwimmer : number
for- Schleife for new swimmer 0 < nSwimmer : ++
let swimmer: Schwimmer = new Schw.
push new Swimmer into SchwimArray
update
every 20ms
updateBackground
let _wasser : wasser = new Wasser
_wasser.draw
let _strand : Strand = new Strand
_strand.draw
For- Schleife clouds
let cloud of clouds
cloud.draw
cloud.animate
For- Schleife swimmer
let swimmer of swimmers
swimmer.draw
Swimmer.animate
For- Schleife boats
let boat of boats
boat.draw
boat.animate
For- Schleife birds
let bird of birds
bird.draw
bird.animate
let strandbesucher : Strandbesucher = new Strandbesucher
_Strandbesucher.draw
let strandbesucher2: Strandbesucher = new Strandbesucher
_Strandbesucher2.draw
let strandbesucher3 Strandbesucher = new Strandbesucher
_Strandbesucher3.draw
vector: Vector
Vector
x : number
y : number
constructor (_x, _y)
set (_x, _y)
Scale (_factor)
add (_addEnd)
random
constructer
_x : number, _y : number
Set x and y to number
set
_x : number, _y : number
set this.x to _x and this.y to _y
scale
_factor : number
this.x * _factor → x scale
this.y * _factor → y scale
add
_addEnd : Vector
this.x += _addEnd.x
this.y += _addEnd.y
random
_minLength: number, _maxLength: number
let length : number → Math.random
let direction: number ↗
this.set (direction)
this.scale (length)
Wolke
position: Vecto
valocy : Vector
type : number
random : number
constructor (_random)
draw ()
animate (_timeslice)
wolke : Wolke
_random: number
constructer
this.position = newVector
this.valocity = newVector
set valocity to random
this.random = _random
draw
let scale : number
draw cloud with bezier curve
animate
_timeslice : number
let offset : Vector = new Vector
Scale offset and add to this.position
if this.position.x < 30 change it to canvas.with
If this.position.x > width change it so smaller than with


Wasser
x : number
y : number
constructor (-x, -y)
draw
wasser : Wasser
constructor
_x : number , _y : number
this.x = -x
this.y = -y
draw
fillStyle to #000000
fillRect ( height = this.x ,
width, height = this.y )
bird
position : Vector
velocity : Vector
type : number
constructor ()
draw ()
animate ()
bird : Bird
constructor
this.position = new Vector
this.velocity = new Vector
-> random this.velocity
draw
let scale : number
draw bird
with bezier
curve
_timeSlice : number
animate
let offset : Vector = new Vector
offset scale and add
offset to position
if this.position.y < 0
put this.position bigger than height
if this.position.x < 0
if this.position.x > width
put this.position smaller than width
if this.position.y > height
Boot
position : Vector
velocity : Vector
type : number
random : number
constructor (_random)
draw ()
animate (_timeslice)
boot : Boot
_random : number
constructor
this.position = new Vector
this.velocity = new Vector
-> random this.velocity
this.random = -random
draw
let scale : number
draw boot with
lines
_timeslice
animate
let offset : Vector = new Vector
scale offset and add
to this.position
if
this.position x > 0
make position smaller
than width
this.position x < 0
make position bigger
than width

| Swimmer |
| --- |
| position : Vector<br>velocity : Vector<br>type : number<br>random : number |
| constructor (_random)<br>draw()<br>animate (_timeslice) |




| Strandbesucher |
| --- |
| x : number<br>y : number |
| constructor (-x, -y)<br>draw |




| Strand |
| --- |
| x : number<br>y : number |
| constructor (-x, -y)<br>draw |