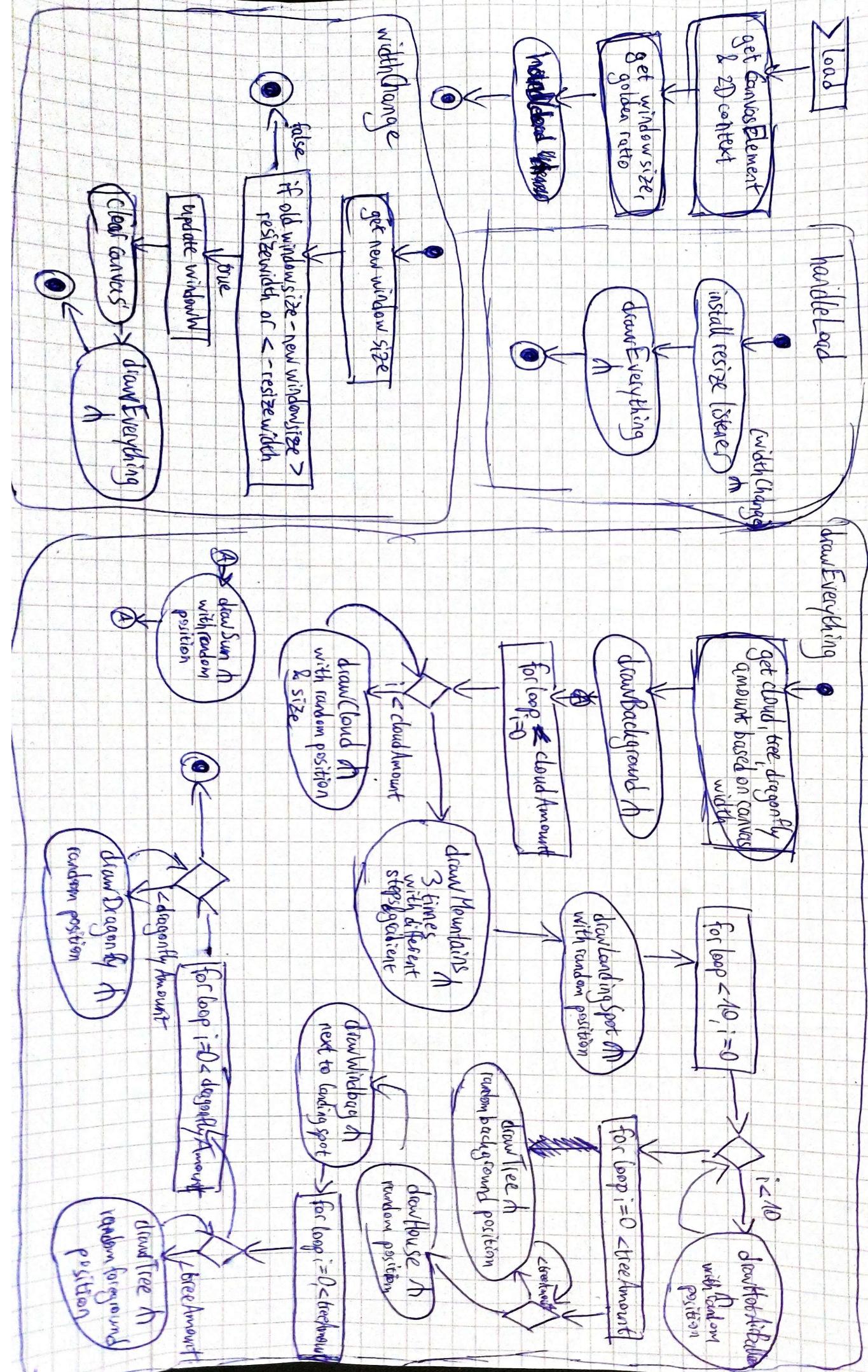


A08.2

18/5/2023

## AD : Luftfahrt (1)



AO8.2

## AD: Luftfahrt (2)

18/5/2023

getRandomColor

red, green, blue values =  
random \* 255

drawBackground

linear gradient = 0 to canvas height  
blue to white to green

drawCloud

- posx: number, - posy: number, - sizeX: number,  
- sizeY: numberrandomColor =  
put red, green, blue values  
together as string

↓

(return random color)

↓

fillStyle = gradient

↓

fillRect of 2D context  
entire canvas

↓

get particle number & radius  
based on - sizeX & - sizeY

↓

radial gradient from  
white to transparent

↓

getRandomNumber [-max: number, -min: number = 0]

draw Mountains

- pos: number, - posY: number, - min: number, - max: number, - colorLow: string, - colorHigh: string,  
- stepX: number, - stepY: number

num = Math.floor of random \* max

↓

false  
if num < -min  
true  
num += -min

↓

false  
if num > -max  
true  
num -= -max

↓

num = -max

↓

restored

com

= gradient

↓

linear gradient  
from -colorLow  
to -colorHigh

↓

lineTo()

random height  
based on  
stepY: number

save, translate

→ beginPath()

→ moveTo(0, 0)

→ do while thick &lt; canvas w

lineTo(max)

↓

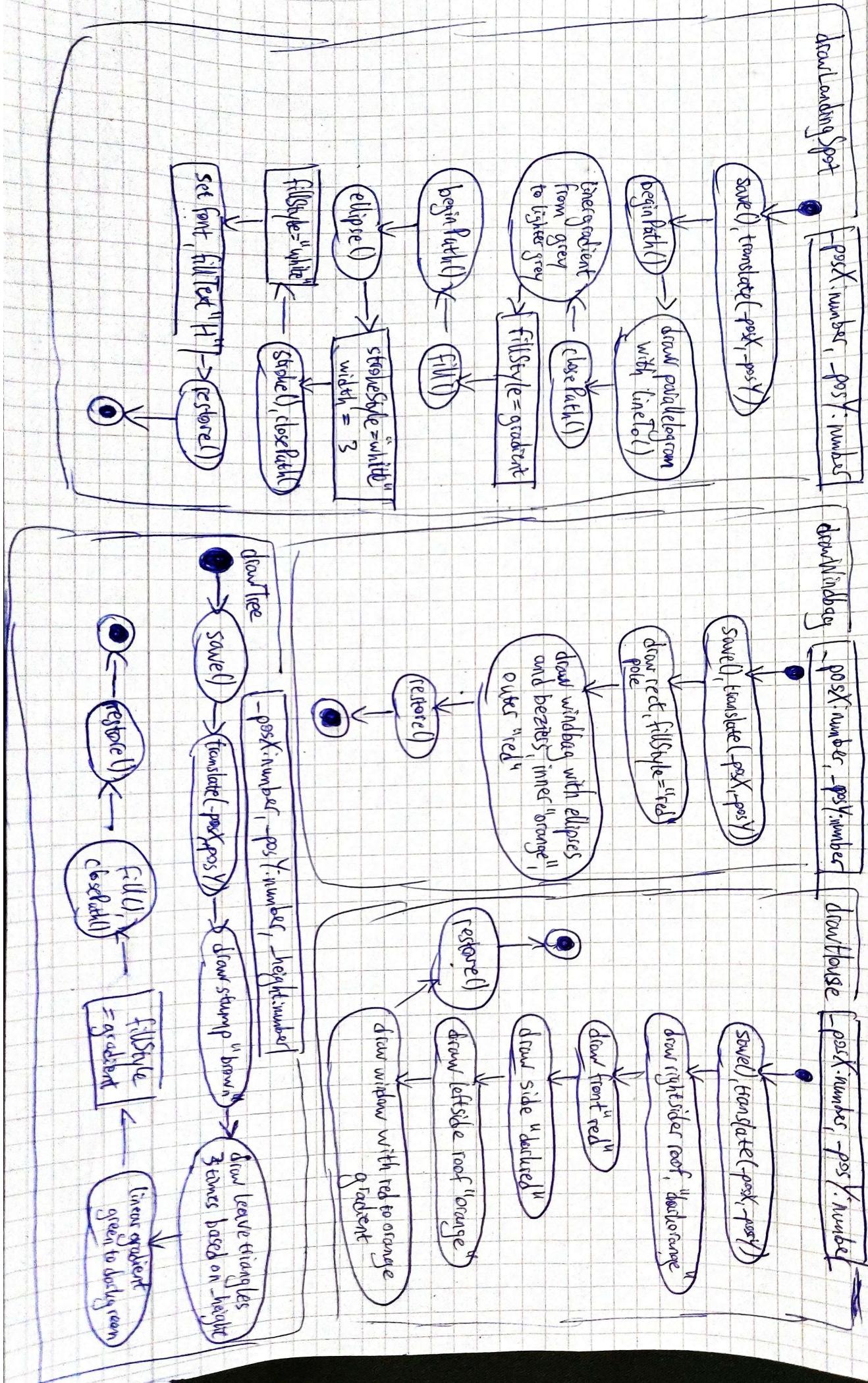
closePath()

↓

AOD. 2

## A.D.: Luftfahrt (3)

18/5/2023



A08.2

AD: Luftfahrt (4)

18/5/2023

drawHotAirBalloon

-posX:number, - posY:number

save(), translate(-posX, -posY)

draw inside basket "darkbrown"

draw back strings "white"

draw stick person with random head color, black lines

draw basket side "brown"

draw basket front "lightbrown"

(restore!)

draw front strings "white"

draw balloon with bezier, get RandomColor()

fade light gradient from white to random color

drawDragonfly

-posX:number, - posY:number

save(), translate(-posX, -posY)

draw right eye "red" with outer stroke "darkred"

draw right legs "darkred"

draw right wing "white" with ellipse light transparency

draw body and head with ellipse & arc, getRandomColor()

(restore!)

draw left eye "red" with outer stroke "darkred"

draw left wing "white" with ellipse light transparent