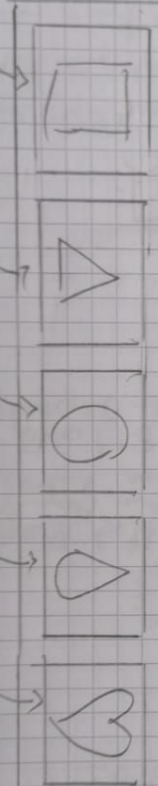
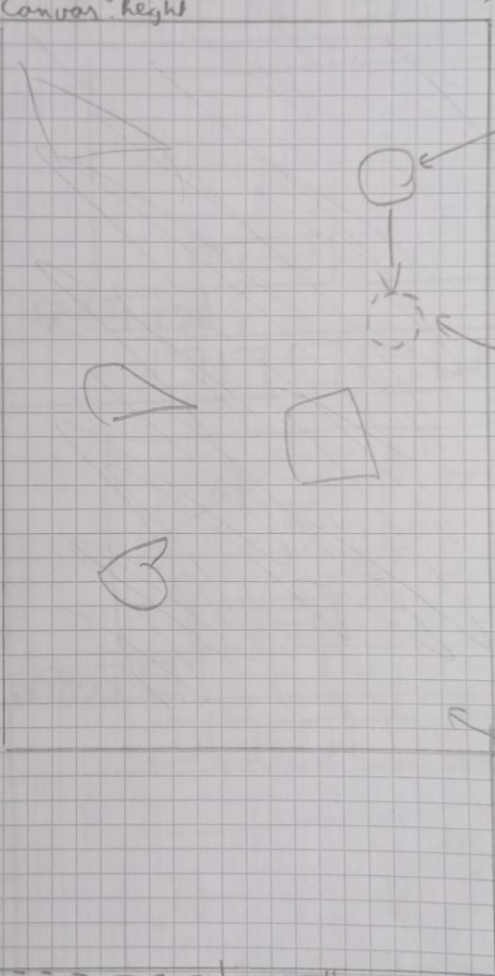
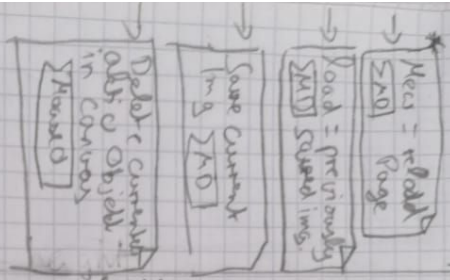


Move object with mouse down + move

U1 - Scribble

Draw object in new position on mouse up canvas width

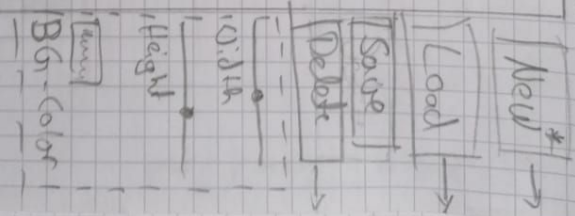
Draw Background with last height last BG color



All Buttons down with circle, get triggers with mouse down on these position

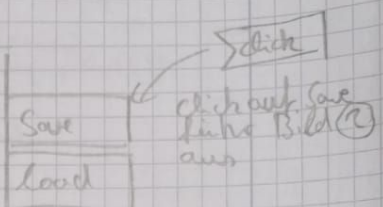
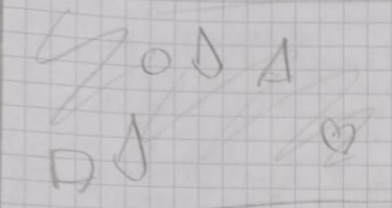
SAVE POS

Save Position of all Objects



# User Interface Save/Load

①



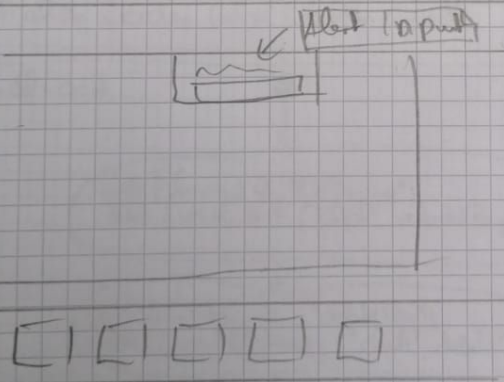
Click auf Load führt zu Bild 3

②



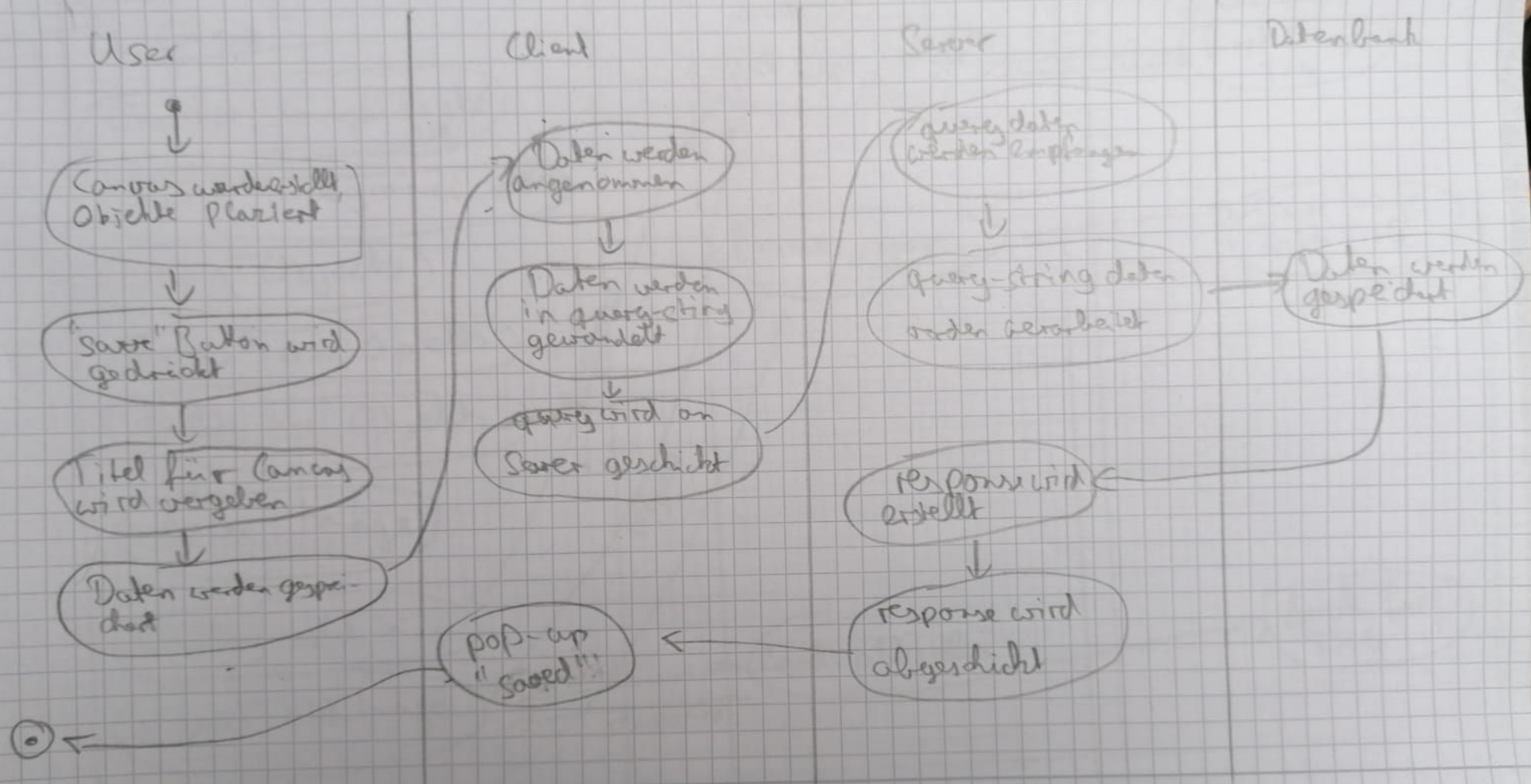
Ein Alert Popst auf in dem man einen Namen eingeben muss. Das Bild wird unter diesem gespeichert

③



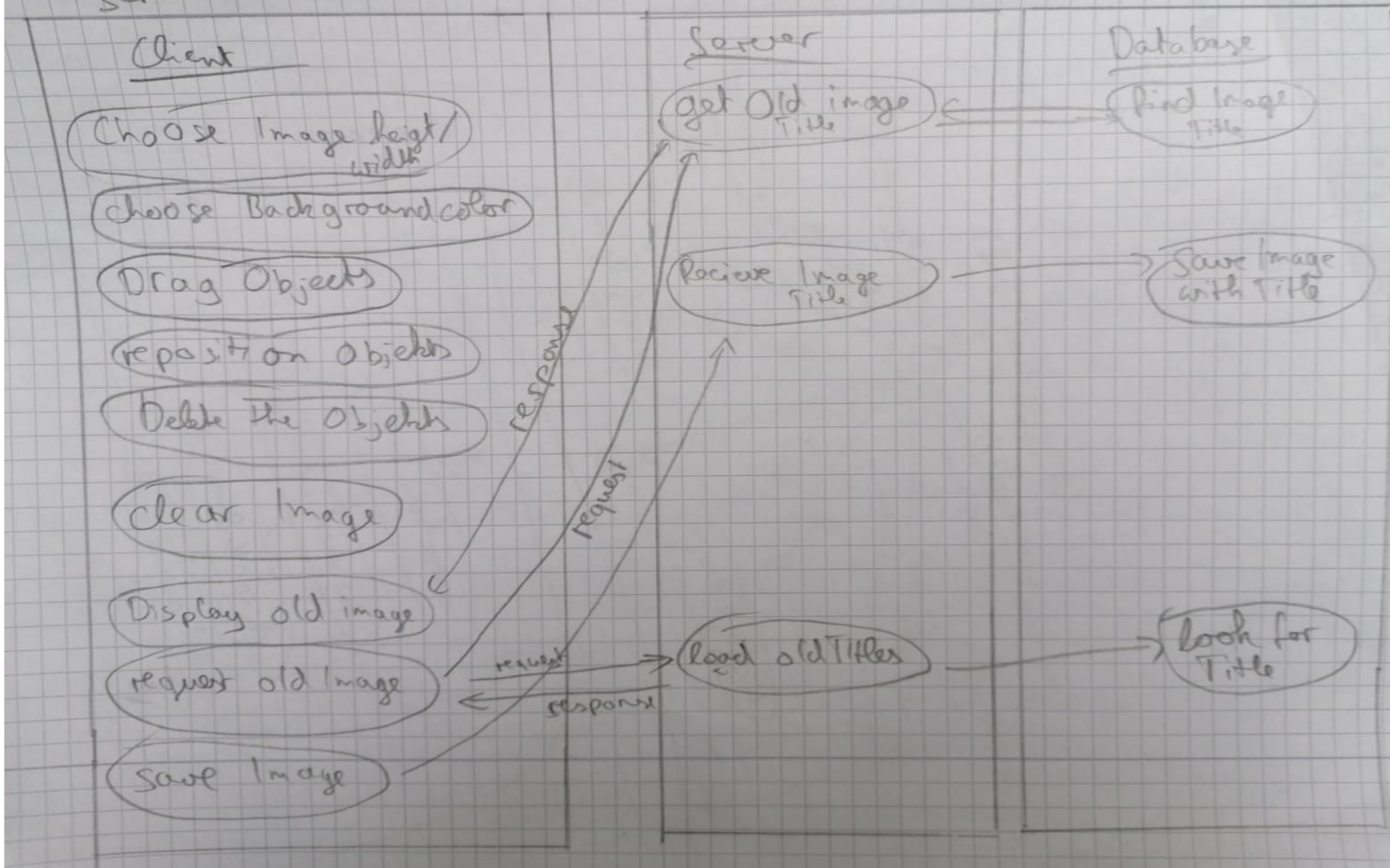
Beim Click auf Load öffnet sich ein Alert. Dort kann man seine zuvor erstellten Bilder neu laden.

# Dom übergreifendes Aktivitätsdiagramm

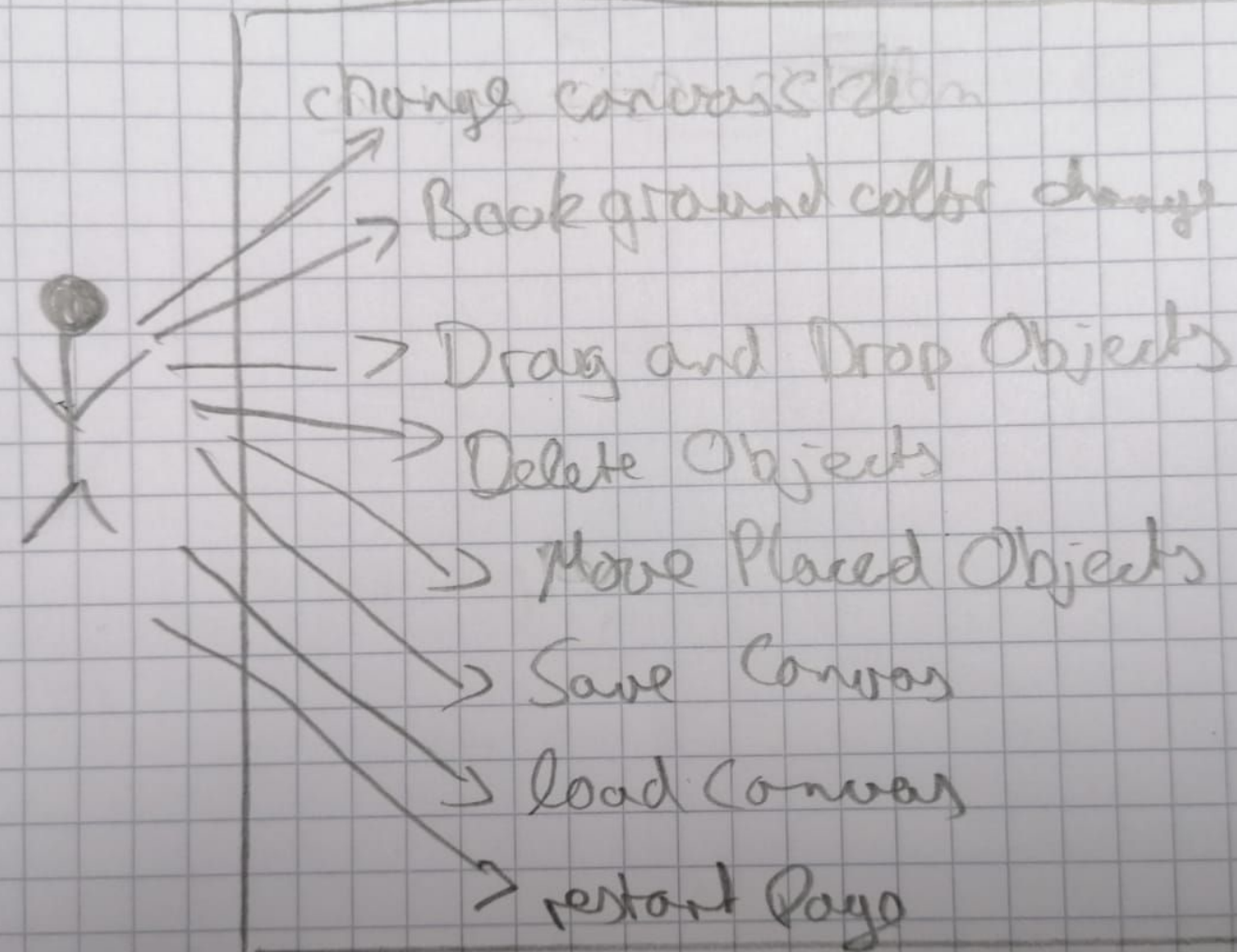




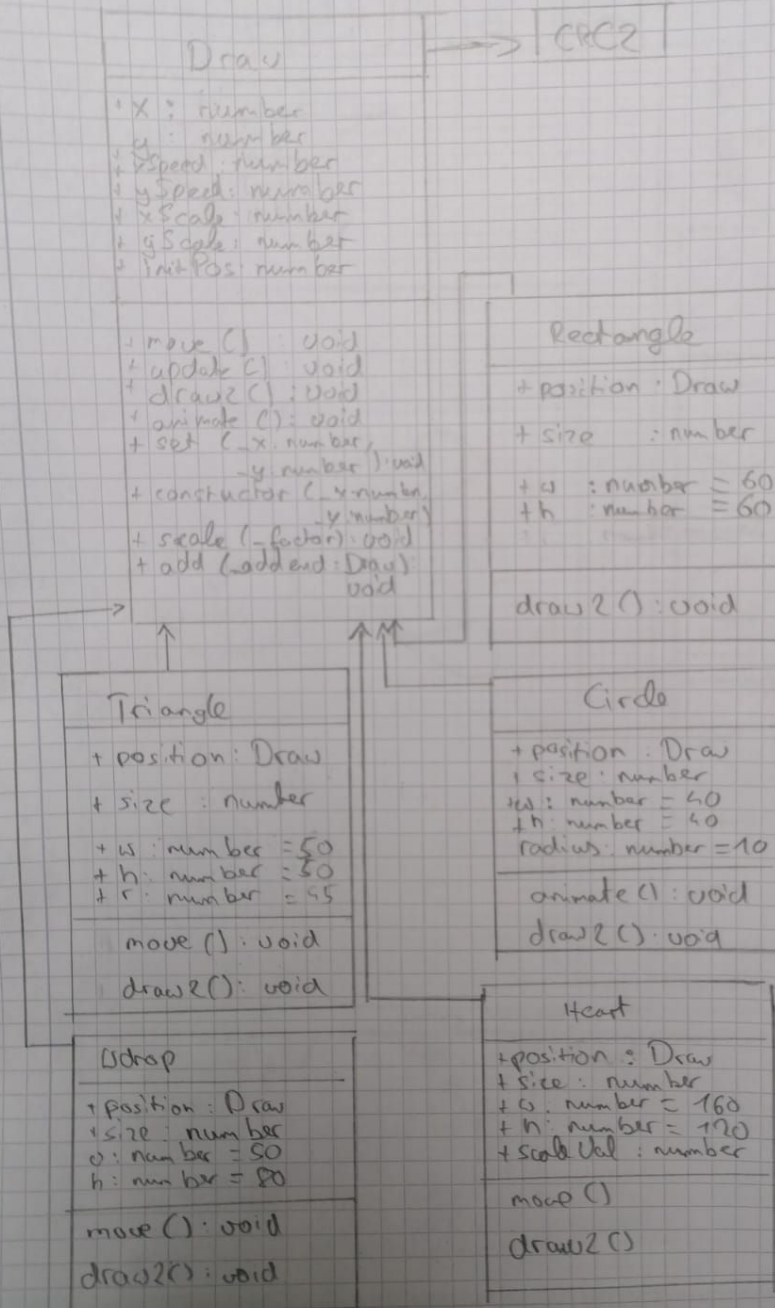
# Server - Client - Communication



# Use case Diagram



# Class Diagram





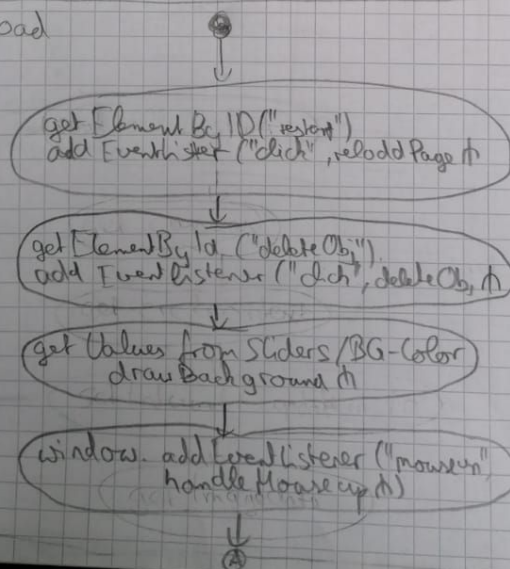
```

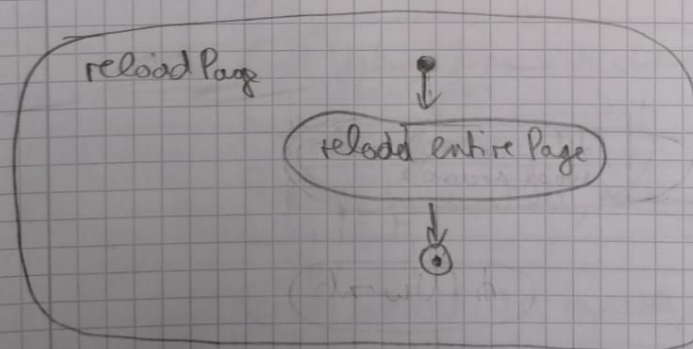
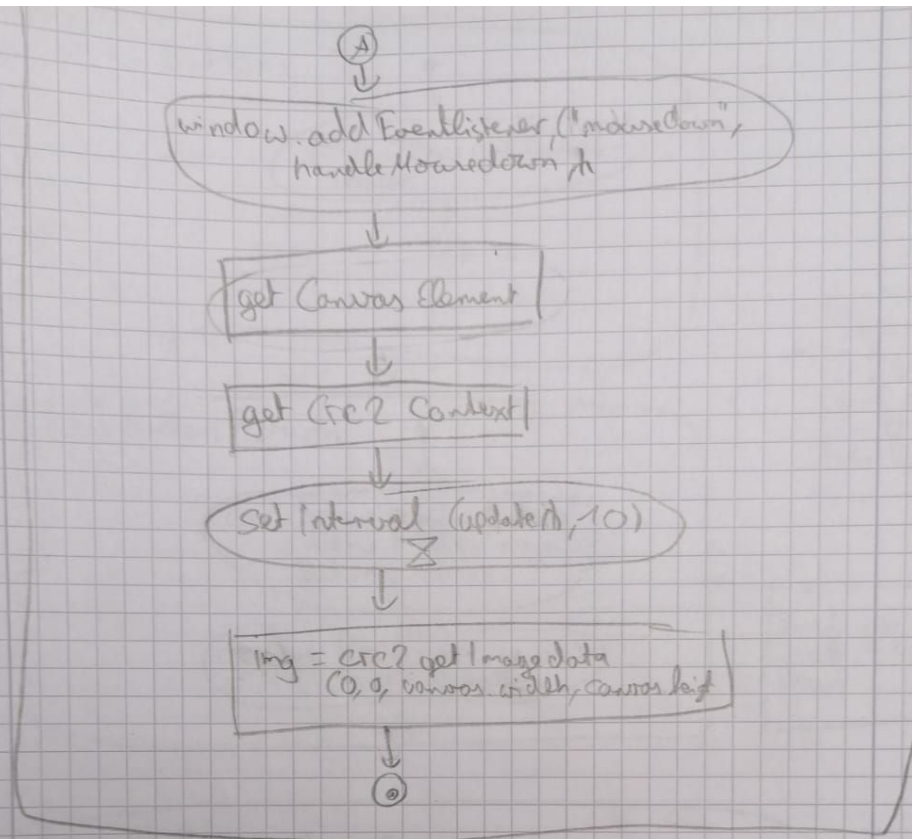
window.addEventListener("load", handleLoad());
export let canvas: HTMLCanvasElement;
export let ctx: CanvasRenderingContext2D;
let img: ImageData;
let widthSlider: HTMLInputElement;
let heightSlider: HTMLInputElement;
let colorPicker: HTMLInputElement;
export let width: number;
export let height: number;
let currentRectangle: Rectangle;
let rectanglePresent: boolean = false;
let recArrayPos: number;
let currentTriangle: Triangle;
let trianglePresent: boolean = false;
let triArrayPos: number;
let currentCircle: Circle;
let circlePresent: boolean = false;
let cirArrayPos: number;
let currentUdrop: Udrop;
let udropPresent: boolean = false;
let udrArrayPos: number;
let currentHeart: Heart;
let heartPresent: boolean = false;
let heaArrayPos: number;
let dragged: boolean = false;
export let triangleArray: Triangle[] = [];
export let rectangleArray: Rectangle[] = [];
export let circleArray: Circle[] = [];
export let udropArray: Udrop[] = [];
export let heartArray: Heart[] = [];

```

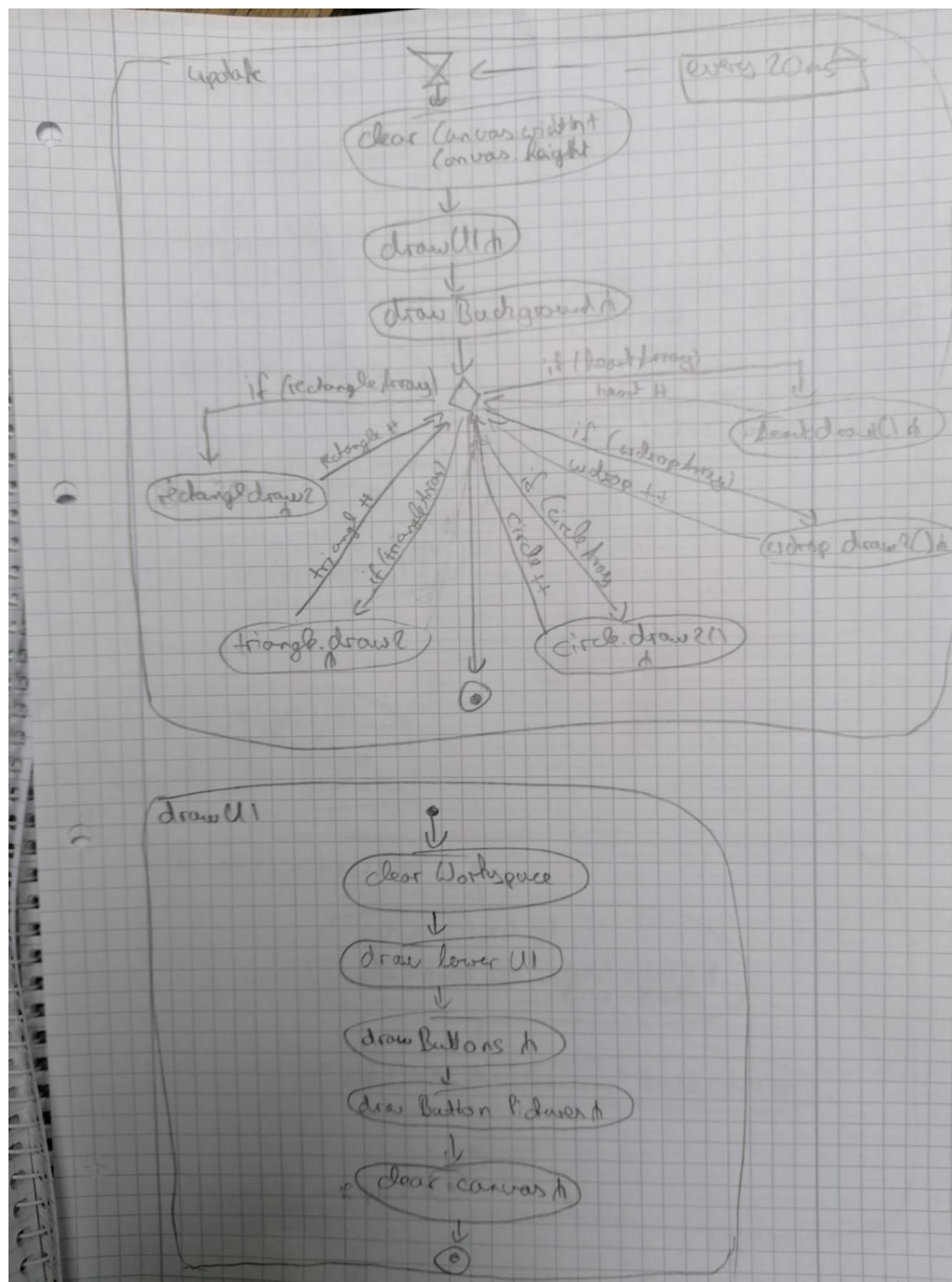
Variablen werden beim Starten erstellt

handleLoad









Draw Buttons

arc2 Draw all Button -  
Shapes



arc

Draw Button Pictures

arc2 draw Specific Button  
Element on previous  
Button position

Declare Position x, y and  
width + height of Button



Draw all  
Elements  
with different  
functions into  
the Buttons

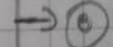
Rectangle, Triangle,  
Circle, Outlined,  
Filled

Draw Background

get Values from UTM to last  
Bg - Color

Calculate new Width, new Height

arc2 fill Rect (0,0, newWidth, newHeight)

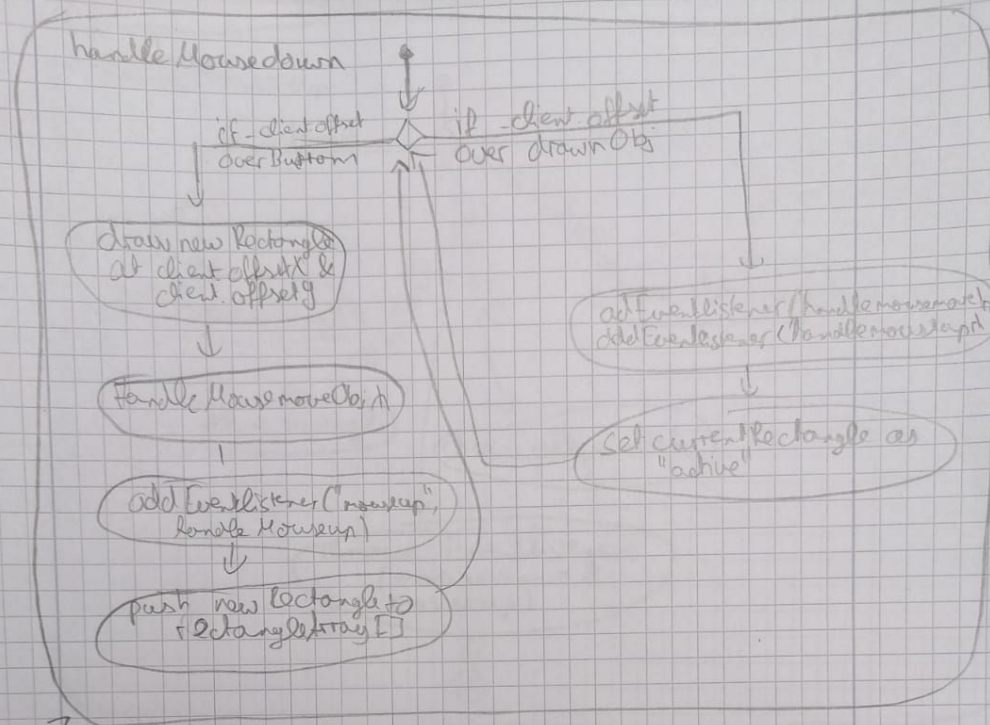


Clear Canvas

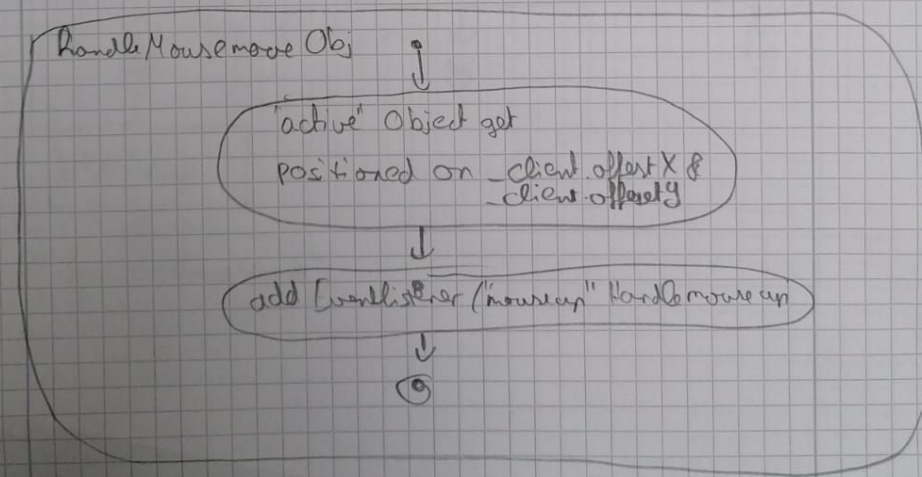
Get width and height  
of overlapping workspace

Clear Rect Rest of UI

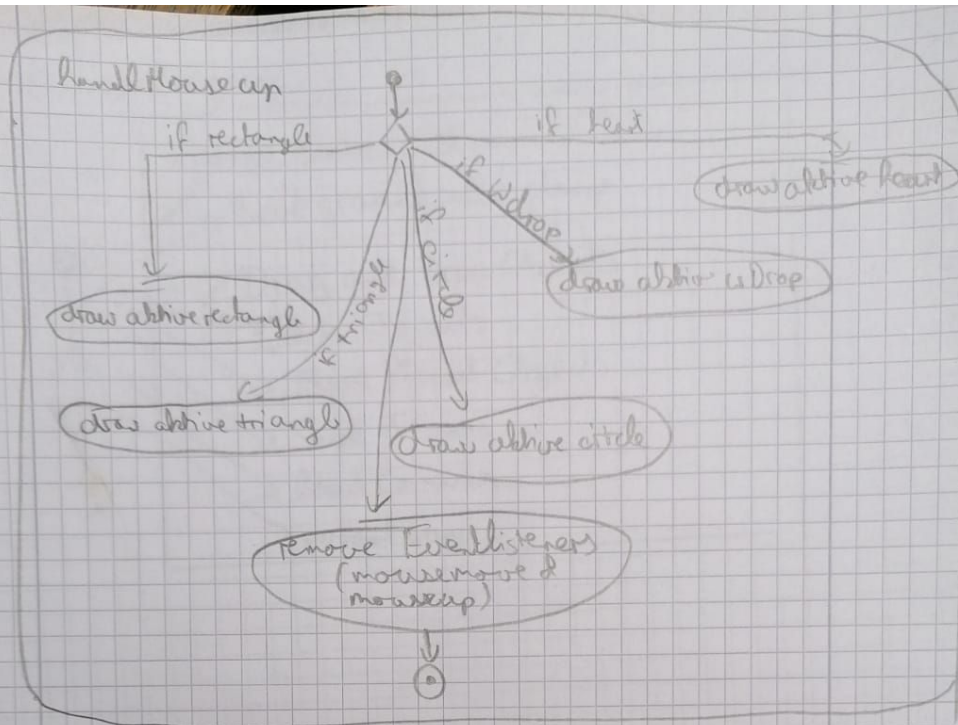




if Bedingung bezieht sich  
nicht nur auf Rectangle,  
sondern auf alle 3 Elemente.  
Sie steuern die selben Funktionen  
an







load  
Window

handle load d



MouseDown

handle left click d



mousemove

handle mousemoveObj d



Mouseup

handle Mouseup d



