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//Web and FX: From Theory to Practice, 502-A22-LA, section 00002

//A circle and a rectangle

//https://openprocessing.org/sketch/create

(Introduction)

Use your mouse to move the rectangle and when you move it to where the tiny circle is it will change color. As well if you click ‘r’ the background will turn red for a split second and the same goes for ‘g’: the background will turn green for a second.

(Analysis/Artist statement)

This is my first time with code so I wanted to keep the artwork very simple and fun the point was to move the mouse around enough to figure out that when you move it to where the circle is placed the rectangle will change the colour as well the keys ‘r and g’ let you change the background of the artwork so you also get to use the keyboard instead of just your mouse.

Chart, funnel chart

Description automatically generated

Code:

let circleX, circleY;

let rectX, rectY;

function setup() {

createCanvas(600, 600);

circleX = width / 2;

circleY = height / 2;

rectX = width / 3;

rectY = height / 3;

}

function draw() {

background(255);

circle(circleX, circleY, 50);

if (dist(mouseX, mouseY, circleX, circleY) < 50) {

fill(0, 255, 0);

} else {

fill(255, 0, 0);

}

rect(rectX, rectY, mouseX, mouseY);

}

function keyPressed() {

if (key == 'r') {

background(255, 0, 0);

} else if (key == 'g') {

background(0, 255, 0);

} else if (key == 'b') {

background(0, 0, 255);

}

}