```javascript
let font;
let dates = ['Day 1', 'Day 2', 'Day 3', 'Day 4', 'Day 5'];
let battery = [108, 106, 83, 120, 90];
let dataIndex = 0;
let interactionMenuShown = false;
let interactionIndex = 0;


const appPercentage = new Map([
    [0, [26, 20, 16, 46]],
    [1, [32, 19, 15, 40]],
    [2, [27, 13, 8, 35]],
    [3, [27, 26, 17, 50]],
    [4, [27, 14, 11, 38]]
]);

const appNames = new Map([
    [0, ["Reddit", "TikTok", "YT Music", "Other"]],
    [1, ["TikTok", "Reddit", "YT Music", "Other"]],
    [2, ["Reddit", "YT Music", "TikTok", "Other"]],
    [3, ["YouTube", "Instagram", "Reddit", "Other"]],
    [4, ["TikTok", "Reddit", "Instagram", "Other"]]
]);

const appActiveUsage = new Map([
    [0, [52, 108, 114]],
    [1, [141, 38, 111]],
    [2, [65, 1, 37]],
    [3, [52, 71, 54]],
    [4, [135, 31, 47]]
]);

const appBackgroundUsage = new Map ([
    [0, [0, 16, 0]],
    [1, [15, 0, 1]],
    [2, [1, 108, 13]],
    [3, [1, 13, 1]],
    [4, [9, 0 ,3]]
]);

const colors = ["pink", "lightgreen", "lightblue", "gold"]


function preload() {
    font = loadFont('Micro5-Regular.ttf')
}


function setup() {
    textFont(font);
    createCanvas(500, 500);
    background(255,255, 255);

    xPos = width / 8;
    yPos = height / 8;
}

```

```javascript
56
57    function draw() {
58        offset = 0;
59
60        clear();
61        background(255,255,255);
62        textSize(40);
63        strokeWeight(4);
64
65        text(dates[dataIndex], xPos, yPos);
66        text(battery[dataIndex] + '%', xPos, yPos * 7.5);
67
68        rect(xPos * 5, yPos * 1.75, 100, 300);
69
70        for(let i = 0; i < 4; i++) {
71            tempPercentage = appPercentage.get(dataIndex);
72            tempNames = appNames.get(dataIndex);
73
74            batteryValue = tempPercentage[i];
75            percentage = map(batteryValue, 0, battery[dataIndex], 0, 300);
76
77            textyPosOffset = offset + percentage / 2 + 5;
78            textxPosOffset = (100 - textWidth(tempNames[i])) / 2;
79            // textxPosOffset funktioniert nicht jeweils für den ersten Abschnitt keine Ahnung wieso
80
81            fill(colors[i]);
82            rect(xPos * 5, yPos * 1.75 + offset, 100, percentage);
83
84            textSize(25);
85            fill("black");
86            text(tempNames[i], xPos * 5 + textxPosOffset, yPos * 1.75 + textyPosOffset);
87            offset += percentage;
88        }
89    }
```

```
90
91    function keyPressed() {
92        switch(keyCode) {
93            case LEFT_ARROW: // linke Pfeiltaste
94                if(dataIndex != 0) {
95                    dataIndex -= 1;
96                }
97                else {
98                    dataIndex = 4;
99                }
100               break;

102           case RIGHT_ARROW: // rechte Pfeiltaste
103               if(dataIndex != 4) {
104                   dataIndex += 1;
105               }
106               else {
107                   dataIndex = 0;
108               }
109               break;

111           case 48: // Taste "0"
112               interactionMenuShown = false;
113               break;

115           case 49: // Taste "1"
116               interactionMenuShown = true;
117               interactionIndex = 0;
118               break;

120           case 50: // Taste "2"
121               interactionMenuShown = true;
122               interactionIndex = 1;
123               break;

125           case 51: // Taste "3"
126               interactionMenuShown = true;
127               interactionIndex = 2;
128               break;

130           // für "Other" kann kein Interaktionsmenü eingebaut werden
131           // weil die Daten dazu fehlen

133           default:
134               break;
135       }
136   }
```