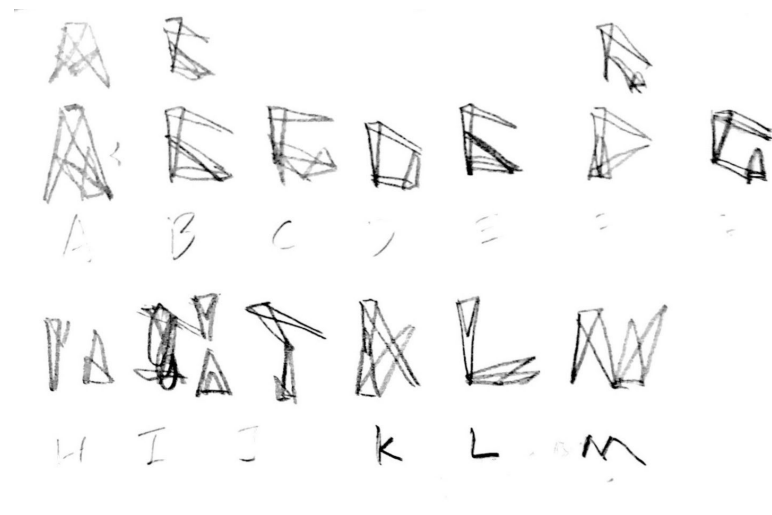


# Progress

Because of the laptop issue, the first half of my design was done in the p5js web editor and my sketch book.

7th May

Initial idea



1. Use four triangles to complete the font.

Two triangles have two vertices in common.



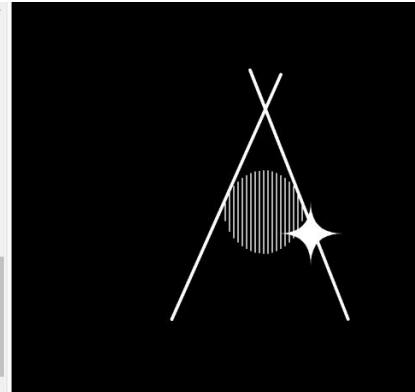
2. It consists of line, circle and star symbols.

One circle is solid, and the other is composed of stripes.

10 May

Give up the idea of triangles, because it is easy for triangles to become a straight line when operating.

```
42 strokeWeight(3);
43 line(x1,y1,x1+abs(cos(a)*r),y1-sin(a)*r);
44 line(x2,y2,x2+cos(b)*r,y2+sin(b)*r);
45
46
47 let starCtrx= 80
48 let starCtry =20
49 let starR = 30
50
51
52 noStroke();
53 fill(255);
54 beginShape();
55 vertex(starCtrx, starCtry-starR);
56 quadraticVertex(starCtrx, starCtry,starCtrx+starR, starCtry);
57 quadraticVertex(starCtrx, starCtry,starCtrx,starCtry+starR);
58 quadraticVertex(starCtrx, starCtry,starCtrx-starR, starCtry);
59 quadraticVertex(starCtrx, starCtry,starCtrx, starCtry-starR);
60 endShape();
61
```

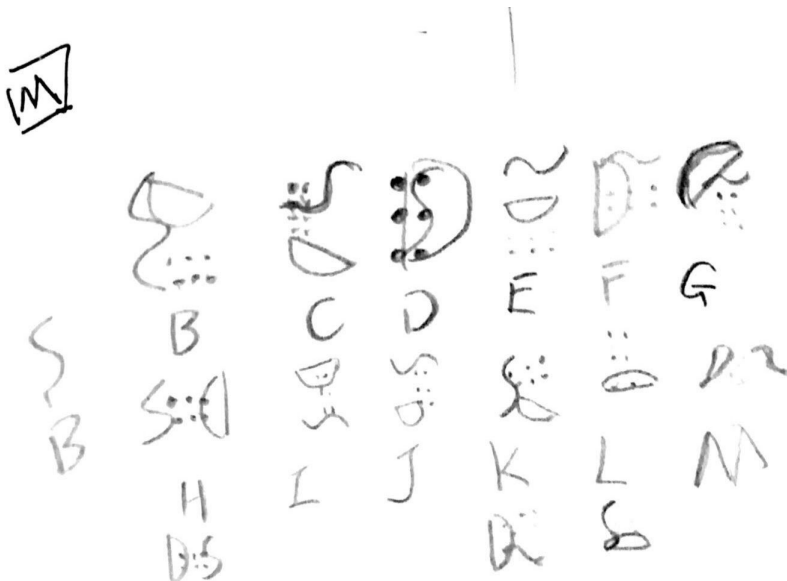


Letter "A". The position of the star represents the finish point in handwriting.

13 May

Try to find new ideas. The circle formed by stripes have too many variables and its really difficult to operate.

14 May



New idea. Inspired by Memphis design.

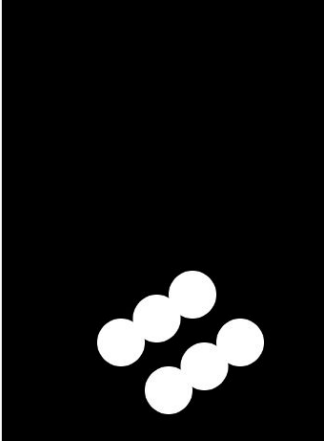
17 May

Try different ways to draw curves and shapes. Find the fewest parameters.

```

1 let eX = 100
2 let eY = 300
3 let eGx = 30
4 let eGy = 20
5 let eS = 40 // ellipse size
6 function setup() {
7   createCanvas(960, 500);
8 }
9
10 function draw() {
11   background(0);
12   noStroke();
13   fill(255);
14   ellipse(eX,eY,eS,eS);
15   ellipse(eX+eGx,eY-eGy,eS,eS);
16   ellipse(eX+2*eGx,eY-2*eGy,eS,eS);
17   ellipse(eX+40,eY+40,eS,eS);
18   ellipse(eX+40+eGx,eY+40-eGy,eS,eS);
19   ellipse(eX+40+2*eGx,eY+40-2*eGy,eS,eS);
20 }

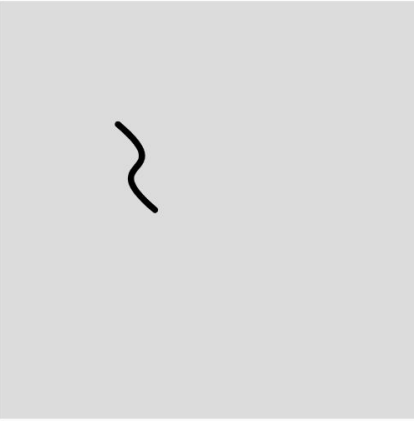
```



```

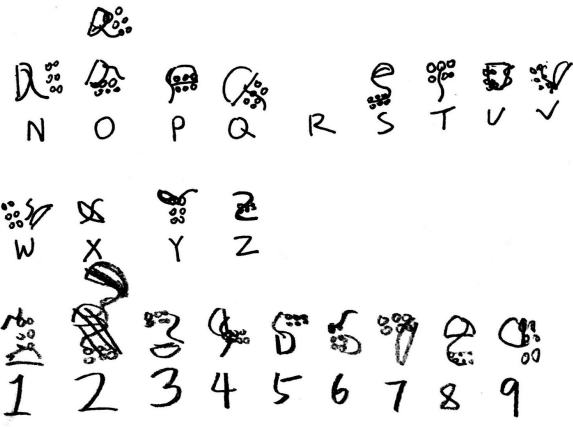
1 let x1 = 150
2 let y1 = 200
3 let lL = 80
4 let lG = 40
5 let a = 140
6 function setup() {
7   createCanvas(400, 400);
8 }
9
10 function draw() {
11   background(220);
12   angleMode(DEGREES);
13   stroke(0);
14   strokeWeight(6);
15   noFill();
16   //line(x1,y1,x1+cos(a)*lL,y1-sin(a)*lL);
17   //line(x1+cos(90-a)*lG,y1+sin(90-a)*lG, x1+cos(a)*lL+cos(90-a)*lG,y1-
18   //sin(a)*lL+sin(90-a)*lG);
19   bezier(x1,y1,x1+cos(a)*lL,y1-sin(a)*lL,x1+cos(90-a)*lG,y1+sin(90-a)*lG,
20   x1+cos(a)*lL+cos(90-a)*lG,y1-sin(a)*lL+sin(90-a)*lG);

```



18 May

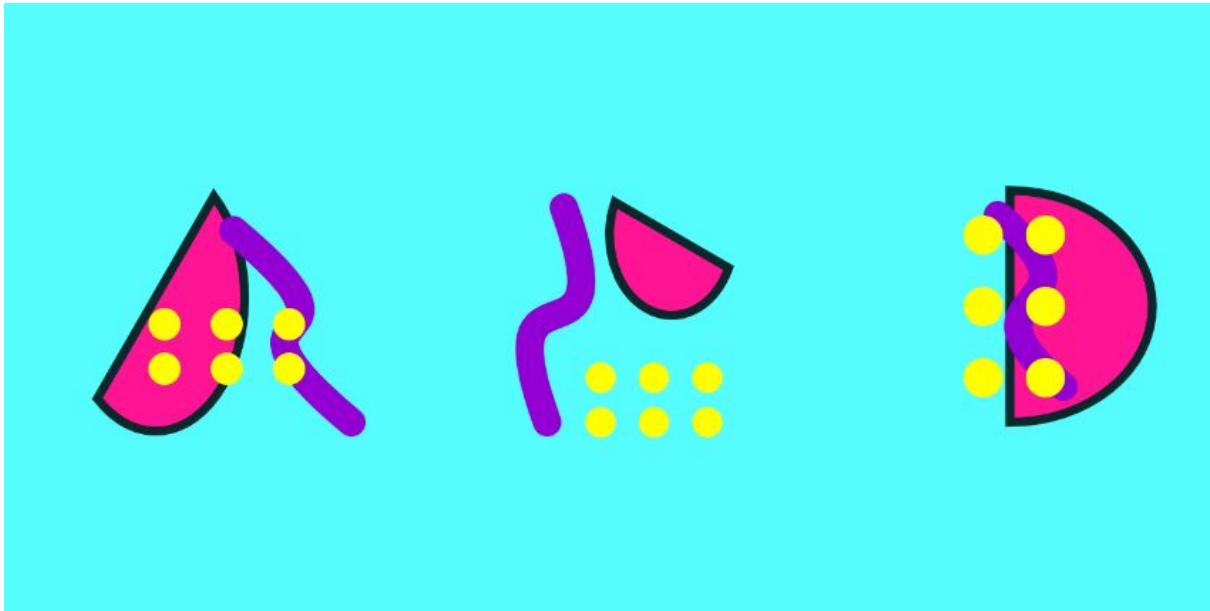
Coding on my sketchbook. When I receive the laptop, I can put them on P5js directly.



$P_1(x_1, y_1)$   
 $P_2(x_1 + \cos A \cdot L, y_1 + \sin A \cdot L)$   
 $P_3(x_1 + \cos(90-A) \cdot L, y_1 + \sin(90-A) \cdot L)$   
 $P_4(x_1 + \cos A \cdot L + \cos(90-A) \cdot L, y_1 - \sin A \cdot L + \sin(90-A) \cdot L)$

$L = \text{length}$   
 $G = \text{Gap}$   
 $A = \text{Angle}$

20 May



ABC sketch by p5js web Editor

21 May

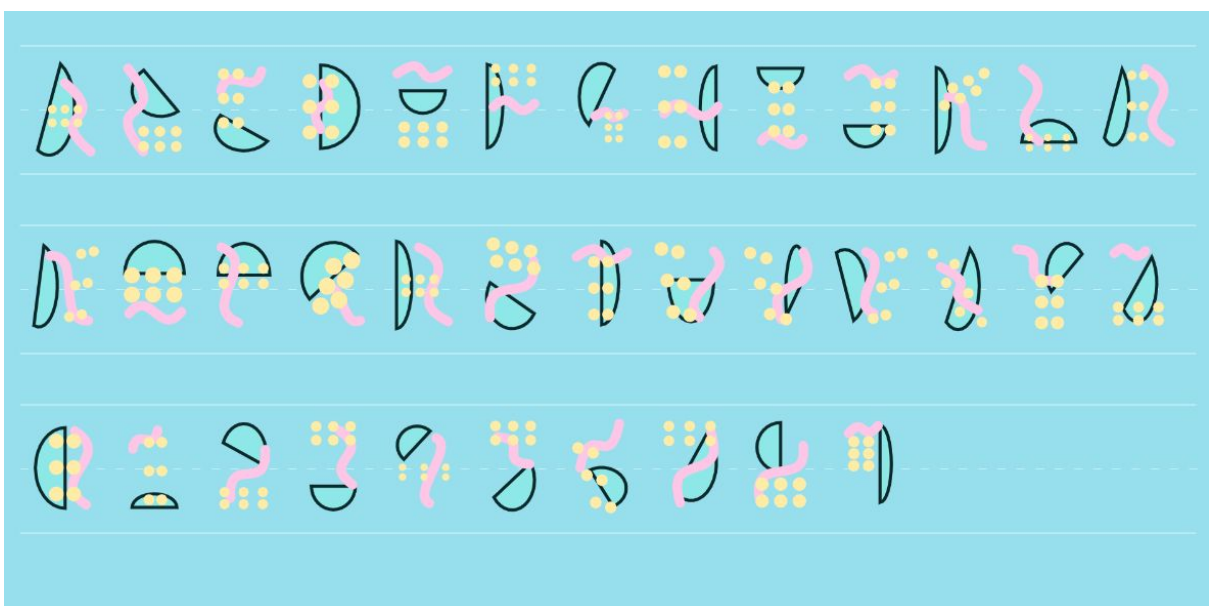
FINALLY MY LAPTOP IS BACK



the first version (ugly color scheme)

I took a long time to fix bugs in my codes. Those codes I wrote before caused many problems in actual operation.

22 May  
Adjust color



# Final

Memphis!



The process of completing this project is full of ups and downs. Since my laptop was sent for repair, I can only borrow someone else's computer. But I was not allowed to download or install anything. So I used the web version of p5js and my draft to complete the assignment, until yesterday my laptop was finally mailed back. My first two ideas were both using various straight lines to make the alphabet. When I was troubled by the amount of calculation, I saw an article about Memphis design. Memphis did not issue a declaration of advocacy, because they opposed any inherent ideas that restricted design thinking. There is no need to follow the rules and the main idea is to try boldly. This article subtly inspired me who was upset because of my overall situation, so I decided to overthrow the previous idea and make a happy and vibrant design.

I chose some common elements of Memphis style, wavy lines, bold strokes, and dots. In the final modification, I tried to make each element unfixed, they can become any part of the letter.

I struggled with the choice of colors for a long time, and finally chose a strong contrasting color for the shapes and warm color for the background.

I am most satisfied with the numbers, they all look unique.