Space

# Exploration

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# Project Brief

This assignment is about creating an experimental codebased artwork through an abstract javascript. I decide to design a website which is relative with the universe, planets and spaceships.

This project was created by visual studio code. Javascript is the main languages which I used in the project. Beside, I combine some elements such as interactivity, animation in order to make the website more interested and diverse.

### Concept statement

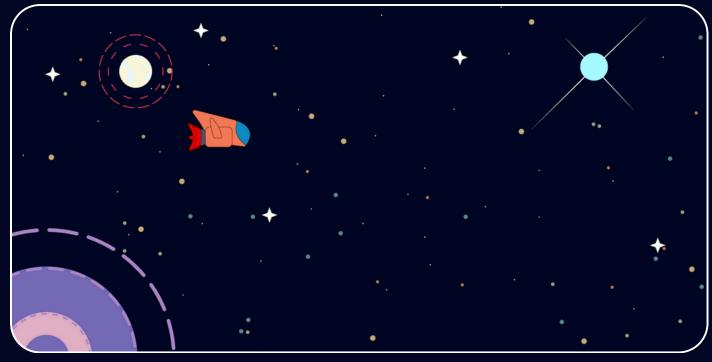


Fig 1

I designed this website by taking inspiration from the Universe. In this style, the colors of the website mainly are dark but I add some brighter color in my art in order to make it more colorful.

### Related Work



Fig 2: Griflan (2024), Dogelon Mars, <a href="https://dogelonmars.com/">https://dogelonmars.com/</a>

This is a website which following the story of Dogelon Mars as he explores the greatest mysteries of the universe and seeks to return to the planet he once called home.

### Moodboard



Fig 3: 熊熊 师兄 (2020), ANIMAL MECHA.

#### **Color pallet**



### Font

#### **Protest Guerrilla**

Whereas disregard and contempt for human rights have resulted

## Ideation & Sketches

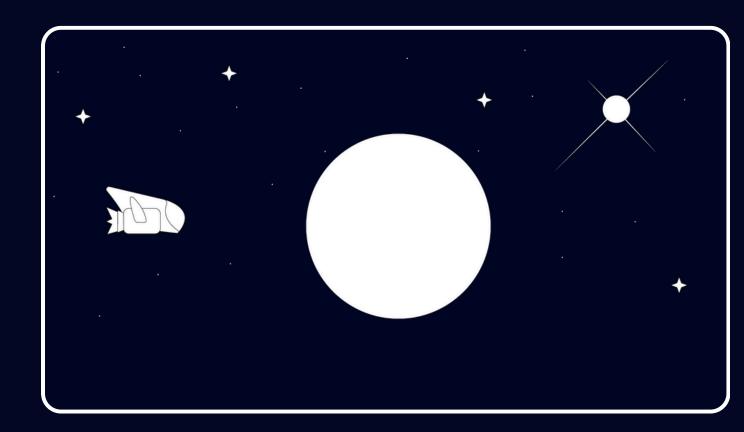


Fig 4

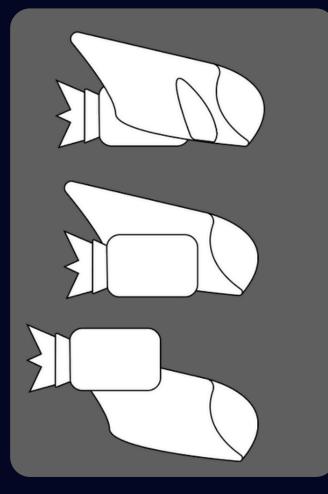


Fig 5

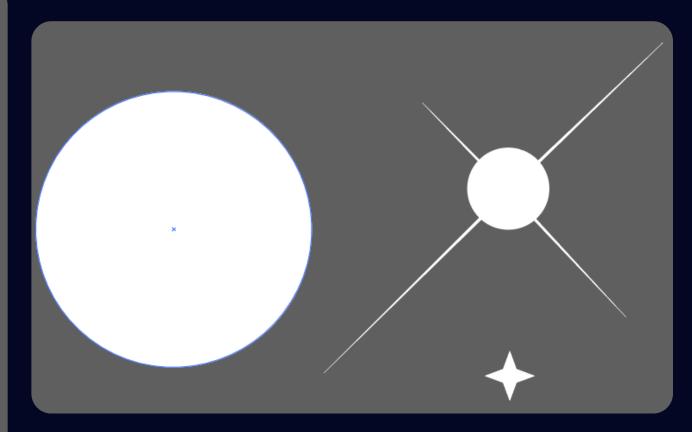


Fig 6

# Prototype

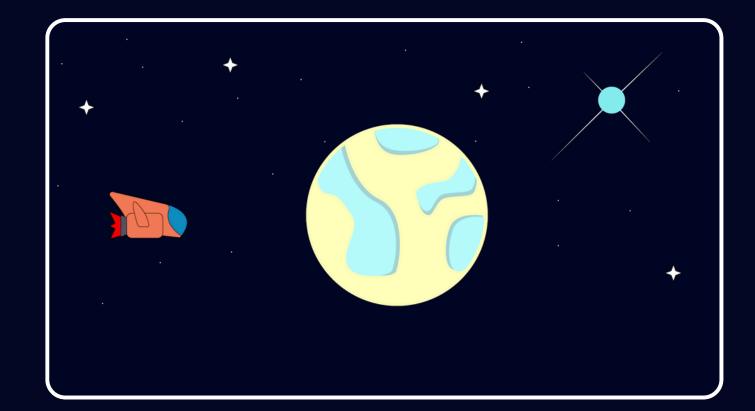


Fig 7



Fig 8

# The final design



Fig 9



Fig 10

### Iteration



Fig 11

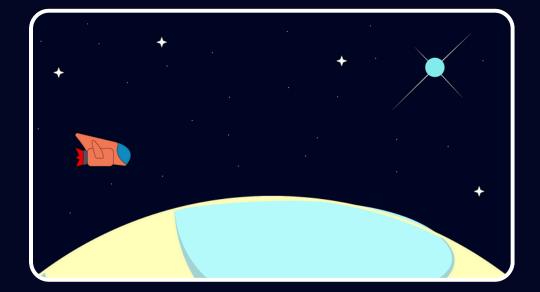


Fig 13



**Fig 12** 

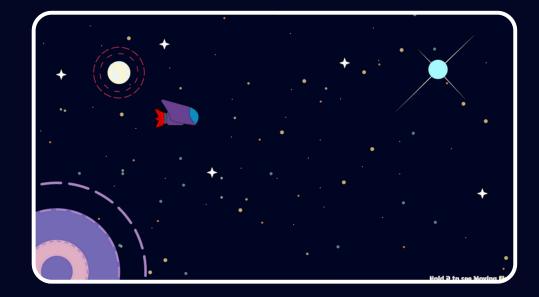


Fig 14

I tried many options of the design, animations and interactivities in order to get the most suitable design.

### Iteration

I also tested the code many time in different devices to find the bugs or the errors.

```
let img;
 let img 2;
 let list;
var currentSpacship = 1;
var spaceship, spaceship_1, spaceship_2;
let y = 350;
let radius = 100;
let rotateEnabled = true;
let numDashes2 = 15;
let dashLength2 = 30;
 let ratationAngle2 = 0;
 let numDashes3 = 10;
 let dashLength3 = 27;
 let ratationAngle3 = 0;
 let numDashes4 = 25;
 let dashLength4 = 15;
 let ratationAngle4 = 0;
 let numDashes5 = 25;
 let dashLength5 = 10;
 let ratationAngle5 = 0;
 let numDashes6 = 20;
 let particleTexture;
let speedY = 0.1;
let power = 5;
let smokeLength = 3;
let smokeX = 490;
let smokeY = 385;
const dots =[];
let isMoving = true;
```

**Fig 15** 

```
function draw() {
 background(50);
  image (img, 0, 0, width ,height ,0 ,0 ,img.width, img.height, COVER);
  image (img_2, 300, 200, 90, 90);
   for(const dot of dots) {
     if(isMoving)
       dot.move();
     dot.draw();
 push();
 translate(345,245);
 if(rotateEnabled){
   ratationAngle2 += radians(0.7);
  let dashAngle2 =(TWO_PI / numDashes2);
 for (let i=0; i < numDashes2; i++){
 let startAngle = i * dashAngle2 + ratationAngle2;
 let endAngle = startAngle + dashLength2 / radius;
 arc(0,0, radius * 2 , radius * 2, startAngle,endAngle);
 pop();
 translate(345,245);
 if(rotateEnabled){
   ratationAngle3 -= radians(0.5);
  let dashAngle3 =(TWO_PI / numDashes3);
 stroke(200, 57, 91);
 strokeWeight(3);
 for (let i=0; i < numDashes3; i++){
 let startAngle = i * dashAngle3 + ratationAngle3;
 let endAngle = startAngle + dashLength3 / radius;
 arc(0,0, radius * 1.5 , radius * 1.5, startAngle,endAngle);
```

Fig 16

# Thanks for reading

References

Fig 2: Griflan (2024), Dogelon Mars, <a href="https://dogelonmars.com">https://dogelonmars.com</a>

Fig 3: 熊熊 师兄 (2020), ANIMAL MECHA,

https://www.behance.net/gallery/109562487/ANIMAL-MECHA.