

index.html

```
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>Happy Mother's Day Mom!</title>
6      <link rel="stylesheet" href="index.css">
7      <script src="index.js"></script>
8      <link rel="preconnect" href="https://fonts.googleapis.com">
9      <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
10     <link href="https://fonts.googleapis.com/css2?family=Pacifico&display=swap" rel="stylesheet">
11 </head>
12
13 <body>
14     <section class="ground"></section>
15     <h1><span id="intro"></span><span id="cursor">|</span></h1>
16     <section class="flowers"></section>
17     <template id="flower-template">
18         <div class="flower">
19             <div class="pedals"></div>
20             <div class="stem"></div>
21             <div class="leaf right"></div>
22             <div class="leaf left"></div>
23         </div>
24     </template>
25 </body>
26
27 </html>
```

index.js

```
1  (() => {
2    const TYPE_TIME = 7;
3    const FLOWER_START_TIME = 2;
4    const MOTHERS_DAY_TEXT = `Happy Mother's Day Mom! I love you so much. You're the best mom I
could ever
5    ask for, and I hope you had a wonderful Mother's Day!`;
6    const TYPE_SPEED = TYPE_TIME / MOTHERS_DAY_TEXT.length * 1000;
7
8    const FLOWERS = [
9      {
10        height: 300,
11        leftLeafHeight: 30,
12        rightLeafHeight: 50,
13
14        innerPedalColor: '#F3F875',
15        pedalColor: '#F8C475',
16        outerPedalColor: '#F7BC62',
17
18        innerPedalSize: 110,
19        pedalSize: 10,
20        outerPedalSize: 30,
21
22        animationDelay: '7s',
23      },
24      {
25        height: 200,
26        leftLeafHeight: null,
27        rightLeafHeight: 50,
28
29        innerPedalColor: '#A6D6FA',
30        pedalColor: '#75BFF8',
31        outerPedalColor: '#62B6F7',
32
33        innerPedalSize: 40,
34        pedalSize: 30,
35        outerPedalSize: 10,
36
37        animationDelay: '8s',
38      },
39      {
40        height: 250,
41        leftLeafHeight: 40,
42        rightLeafHeight: null,
43
44        innerPedalColor: '#F8C475',
45        pedalColor: '#F87575',
46        outerPedalColor: '#F76262',
47
48        innerPedalSize: 80,
49        pedalSize: 5,
50        outerPedalSize: 15,
51      },
52      {
53        height: 290,
54        leftLeafHeight: 40,
55        rightLeafHeight: 60,
56
```

```

57     innerPedalColor: '#F87575',
58     pedalColor: '#F98888',
59     outerPedalColor: '#F7BC62',
60
61     innerPedalSize: 20,
62     pedalSize: 5,
63     outerPedalSize: 40,
64 },
65 {
66     height: 320,
67     leftLeafHeight: 40,
68     rightLeafHeight: null,
69
70     innerPedalColor: '#75BFF8',
71     pedalColor: '#A6D6FA',
72     outerPedalColor: '#92CDF9',
73
74     innerPedalSize: 60,
75     pedalSize: 25,
76     outerPedalSize: 15,
77 },
78 {
79     height: 230,
80     leftLeafHeight: 30,
81     rightLeafHeight: 60,
82
83     innerPedalColor: '#D9ABFF',
84     pedalColor: '#E2BFFF',
85     outerPedalColor: '#FF75A6',
86
87     innerPedalSize: 50,
88     pedalSize: 10,
89     outerPedalSize: 25,
90 },
91 ]
92
93 window.addEventListener('load', () => {
94     writeText(MOTHERS_DAY_TEXT, document.getElementById('intro'), 0, TYPE_SPEED);
95     for (let i = 0; i < FLOWERS.length; i++) {
96         const flowerData = FLOWERS[i];
97         createFlower(document.getElementById('flower-template'), flowerData, FLOWER_START_TIME +
i);
98     }
99 });
100
101 /**
102  * Writes text to an element
103  * @param {*} text - The text to write
104  * @param {*} ele - The element to write to
105  * @param {*} index - The index of the text to write
106  * @param {*} typeSpeed - The speed to write the text
107  */
108 function writeText(text, ele, index, typeSpeed) {
109     if (index < text.length) {
110         ele.textContent += text.charAt(index);
111         setTimeout(writeText, typeSpeed, text, ele, index + 1, typeSpeed);
112     } else {
113         document.getElementById('cursor').classList.add('blinking-cursor');
114     }
115 }
116

```

```

117  /**
118   * Creates a flower based on the flower template and flower data
119   * @param {*} flowerTemplate - The template for the flower
120   * @param {*} flowerData - The data for the flower
121   */
122  function createFlower(flowerTemplate, flowerData, delay) {
123      const flower = flowerTemplate.content.firstElementChild.cloneNode(true);
124      console.log(flower)
125      flower.style.height = `${flowerData.height}px`;
126      flower.style.width = `${flowerData.innerPedalSize + flowerData.petalSize * 2 +
flowerData.outerPedalSize * 2}px`;
127
128      if (flowerData.leftLeafHeight === null) {
129          flower.querySelector('.leaf.left').style.display = 'none';
130      } else {
131          flower.querySelector('.leaf.left').style.top = `${flowerData.leftLeafHeight}%`;
132          flower.querySelector('.leaf.left').style.animationDelay = `${delay + 1}s`;
133      }
134      if (flowerData.rightLeafHeight === null) {
135          flower.querySelector('.leaf.right').style.display = 'none';
136      } else {
137          flower.querySelector('.leaf.right').style.top = `${flowerData.rightLeafHeight}%`;
138          flower.querySelector('.leaf.right').style.animationDelay = `${delay + 1}s`;
139      }
140      flower.style.animationDelay = `${delay}s`;
141
142      flower.querySelector('.pedals').style.top = `-${flowerData.innerPedalSize / 2 +
flowerData.petalSize}px`;
143      flower.querySelector('.pedals').style.left = `${flowerData.outerPedalSize}px`;
144      flower.querySelector('.pedals').style.height = `${flowerData.innerPedalSize}px`;
145      flower.querySelector('.pedals').style.width = `${flowerData.innerPedalSize}px`;
146      flower.querySelector('.pedals').style.backgroundColor = flowerData.innerPedalColor;
147      flower.querySelector('.pedals').style.border = `${flowerData.petalSize}px solid
${flowerData.petalColor}`;
148      flower.querySelector('.pedals').style.boxShadow = `0 0 0 ${flowerData.outerPedalSize}px
${flowerData.outerPedalColor}`;
149
150      document.querySelector('.flowers').appendChild(flower);
151  }
152  })();

```

index.css

```
1  body {
2      background-color: #d2d2b4;
3      height: 100%;
4      width: 100%;
5      margin: 0;
6  }
7
8  .ground {
9      background-color: #c7c7a1;
10     height: 100px;
11     width: 100%;
12     bottom: 0;
13     position: absolute;
14 }
15
16 .blinking-cursor {
17     animation: 1.5s blink step-end infinite;
18 }
19
20 @keyframes blink {
21     from {
22         color: transparent;
23         text-shadow: none;
24     }
25
26     50% {
27         color: white;
28         text-shadow: 2px 2px #ff0000;
29     }
30
31     to {
32         color: transparent;
33         text-shadow: none;
34     }
35 }
36
37 @keyframes turn {
38     from {
39         transform: rotate3d(0, 1, 0, 45deg);
40     }
41
42     to {
43         transform: rotate3d(0, 1, 0, 0deg);
44     }
45 }
46
47 @keyframes grow {
48     from {
49         bottom: -100%;
50         opacity: 0;
51     }
52
53     to {
54         bottom: 0;
55         opacity: 1;
56     }
```

```
57 }
58
59 .hidden {
60     visibility: hidden;
61 }
62
63 h1 {
64     font-size: 60px;
65     color: □ white
66     font-family: 'Pacifico', cursive;
67     margin: 5% auto;
68     width: 80%;
69     text-shadow: 2px 2px #ff0000;
70     text-align: center;
71 }
72
73 .flowers {
74     position: absolute;
75     bottom: 0;
76     height: 100%;
77     width: 100%;
78     display: flex;
79     justify-content: space-around;
80     align-items: flex-end;
81 }
82
83 .flower {
84     position: relative;
85     bottom: 0;
86     opacity: 0;
87     animation-name: grow;
88     animation-duration: 2s;
89     animation-fill-mode: forwards;
90 }
91
92 .stem {
93     background-color: ■ #b4d28c;
94     width: 10px;
95     height: 100%;
96     bottom: 0;
97     left: 50%;
98     position: relative;
99     transform: translateX(-50%);
100 }
101
102 .leaf {
103     position: absolute;
104     background-color: ■ #a3c872;
105     width: 48px;
106     height: 48px;
107     box-shadow: 0 0 0 2px #84ae4d;
108     animation-name: turn;
109     animation-duration: 4s;
110     animation-fill-mode: forwards;
111 }
112
113 .right {
114     border-radius: 60% 0 60% 0;
115     left: calc(50% + 5px);
116     transform: rotate3d(0, 1, 0, 45deg);
```

```
117     transform-origin: left;
118 }
119
120 .left {
121     border-radius: 0 60% 0 60%;
122     left: calc(50% - 55px);
123     transform: rotate3d(0, 1, 0, 45deg);
124     transform-origin: right;
125 }
126
127 .pedals {
128     z-index: 1;
129     position: absolute;
130     border-radius: 100%;
131 }
```