Selected files

3 printable files

src/web/public/happymothersday/index.html
src/web/public/happymothersday/index.js
src/web/public/happymothersday/index.css

src/web/public/happymothersday/index.html

```html
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8">
  <meta name="description" content="Happy Mother's Day Mom!">
  <title>Happy Mother's Day Mom!</title>
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link href="https://fonts.googleapis.com/css2?family=Pacifico&display=swap" rel="stylesheet">
  <link rel="stylesheet"
    href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,GRAD@48,400,0,0" />
  <link rel="stylesheet" href="./index.css">
  <script src="./index.js"></script>

</head>

<body>
  <section class="ground"></section>
  <h1><span id="intro"></span><span id="cursor">|</span></h1>
  <section class="flowers"></section>
  <template id="flower-template">
    <div class="flower">
      <div class="pedals"></div>
      <div class="stem"></div>
      <div class="leaf right"></div>
      <div class="leaf left"></div>
    </div>
  </template>
  <footer id="music-control">
    <span class="material-symbols-outlined">play_arrow</span>
  </footer>
</body>

</html>
```

src/web/public/happymothersday/index.js

```js
(() => {
  const TYPE_TIME = 7;
  const FLOWER_START_TIME = 2;
  const MOTHERS_DAY_TEXT = `Happy Mother's Day Mom! I love you so much. You're the best mom I could ever
  ask for, and I hope you had a wonderful Mother's Day!`;
```

```javascript
const TYPE_SPEED = TYPE_TIME / MOTHERS_DAY_TEXT.length * 1000;

const FOREST_AUDIO = new Audio('forest.mp3');

const FLOWERS = [
  {
    height: 300,
    leftLeafHeight: 30,
    rightLeafHeight: 50,

    innerPedalColor: '#F3F875',
    pedalColor: '#F8C475',
    outerPedalColor: '#F7BC62',

    innerPedalSize: 110,
    pedalSize: 10,
    outerPedalSize: 30,

    animationDelay: '7s',
  },
  {
    height: 200,
    leftLeafHeight: null,
    rightLeafHeight: 50,

    innerPedalColor: '#A6D6FA',
    pedalColor: '#75BFF8',
    outerPedalColor: '#62B6F7',

    innerPedalSize: 40,
    pedalSize: 30,
    outerPedalSize: 10,

    animationDelay: '8s',
  },
  {
    height: 250,
    leftLeafHeight: 40,
    rightLeafHeight: null,

    innerPedalColor: '#F8C475',
    pedalColor: '#F87575',
    outerPedalColor: '#F76262',

    innerPedalSize: 80,
    pedalSize: 5,
    outerPedalSize: 15,
  },
  {
    height: 290,
    leftLeafHeight: 40,
    rightLeafHeight: 60,

    innerPedalColor: '#F87575',
    pedalColor: '#F98888',
    outerPedalColor: '#F7BC62',

    innerPedalSize: 20,
    pedalSize: 5,
    outerPedalSize: 40,
  },
```

```javascript
  {
    height: 320,
    leftLeafHeight: 40,
    rightLeafHeight: null,

    innerPedalColor: '#75BFF8',
    pedalColor: '#A6D6FA',
    outerPedalColor: '#92CDF9',

    innerPedalSize: 60,
    pedalSize: 25,
    outerPedalSize: 15,
  },
  {
    height: 230,
    leftLeafHeight: 30,
    rightLeafHeight: 60,

    innerPedalColor: '#D9ABFF',
    pedalColor: '#E2BFFF',
    outerPedalColor: '#FF75A6',

    innerPedalSize: 50,
    pedalSize: 10,
    outerPedalSize: 25,
  },
]

window.addEventListener('load', () => {
  writeText(MOTHERS_DAY_TEXT, document.getElementById('intro'), 0, TYPE_SPEED);
  for (let i = 0; i < FLOWERS.length; i++) {
    const flowerData = FLOWERS[i];
    createFlower(document.getElementById('flower-template'), flowerData, FLOWER_START_TIME + i);
  }

  FOREST_AUDIO.addEventListener('ended', function () {
    this.currentTime = 0;
    this.play();
  }, false);

  document.getElementById('music-control').addEventListener('touchstart', function (event) {
    const icon = this.firstElementChild;
    if (icon.textContent.trim() === 'pause') {
      icon.textContent = 'play_arrow';
      FOREST_AUDIO.pause();
    } else {
      icon.textContent = 'pause';
      FOREST_AUDIO.play();
    }
  });
});

/**
 * Writes text to an element
 * @param {*} text - The text to write
 * @param {*} ele - The element to write to
 * @param {*} index - The index of the text to write
 * @param {*} typeSpeed - The speed to write the text
 */
function writeText(text, ele, index, typeSpeed) {
  if (index < text.length) {
```

```javascript
        ele.textContent += text.charAt(index);
        setTimeout(writeText, typeSpeed, text, ele, index + 1, typeSpeed);
      } else {
        document.getElementById('cursor').classList.add('blinking-cursor');
      }
    }
  }

  /**
   * Creates a flower based on the flower template and flower data
   * @param {*} flowerTemplate - The template for the flower
   * @param {*} flowerData - The data for the flower
   */
  function createFlower(flowerTemplate, flowerData, delay) {
    const flower = flowerTemplate.content.firstElementChild.cloneNode(true);
    flower.style.height = `${flowerData.height}px`;
    flower.style.width = `${flowerData.innerPedalSize + flowerData.pedalSize * 2 +
flowerData.outerPedalSize * 2}px`;

    if (flowerData.leftLeafHeight === null) {
      flower.querySelector('.leaf.left').style.display = 'none';
    } else {
      flower.querySelector('.leaf.left').style.top = `${flowerData.leftLeafHeight}%`;
      flower.querySelector('.leaf.left').style.animationDelay = `${delay + 1}s`;
    }
    if (flowerData.rightLeafHeight === null) {
      flower.querySelector('.leaf.right').style.display = 'none';
    } else {
      flower.querySelector('.leaf.right').style.top = `${flowerData.rightLeafHeight}%`;
      flower.querySelector('.leaf.right').style.animationDelay = `${delay + 1}s`;
    }
    flower.style.animationDelay = `${delay}s`;

    flower.querySelector('.pedals').style.top = `-${flowerData.innerPedalSize / 2 +
flowerData.pedalSize}px`;
    flower.querySelector('.pedals').style.left = `${flowerData.outerPedalSize}px`;
    flower.querySelector('.pedals').style.height = `${flowerData.innerPedalSize}px`;
    flower.querySelector('.pedals').style.width = `${flowerData.innerPedalSize}px`;
    flower.querySelector('.pedals').style.backgroundColor = flowerData.innerPedalColor;
    flower.querySelector('.pedals').style.border = `${flowerData.pedalSize}px solid
${flowerData.pedalColor}`;
    flower.querySelector('.pedals').style.boxShadow = `0 0 0 ${flowerData.outerPedalSize}px
${flowerData.outerPedalColor}`;

    document.querySelector('.flowers').appendChild(flower);
  }
})();
```

src/web/public/happymothersday/index.css

```css
body {
  background-color: #d2d2b4;
  height: 100%;
  width: 100%;
  margin: 0;
}


.ground {
  background-color: #c7c7a1;
```

```css
    height: 100px;
    width: 100%;
    bottom: 0;
    position: absolute;
}

.blinking-cursor {
    animation: 1.5s blink step-end infinite;
}

@keyframes blink {
    from {
        color: transparent;
        text-shadow: none;
    }

    50% {
        color: □ white
        text-shadow: 2px 2px #ff0000;
    }

    to {
        color: transparent;
        text-shadow: none;
    }
}

@keyframes turn {
    from {
        transform: rotate3d(0, 1, 0, 45deg);
    }

    to {
        transform: rotate3d(0, 1, 0, 0deg);
    }
}

@keyframes grow {
    from {
        bottom: -100%;
        opacity: 0;
    }

    to {
        bottom: 0;
        opacity: 1;
    }
}

.hidden {
    visibility: hidden;
}

h1 {
    font-size: 60px;
    color: □ white
    font-family: 'Pacifico', cursive;
    margin: 5% auto;
    width: 80%;
    text-shadow: 2px 2px #ff0000;
```

```css
    text-align: center;
  }

  .flowers {
    position: absolute;
    bottom: 0;
    height: 100%;
    width: 100%;
    display: flex;
    justify-content: space-around;
    align-items: flex-end;
  }

  .flower {
    position: relative;
    bottom: 0;
    opacity: 0;
    animation-name: grow;
    animation-duration: 2s;
    animation-fill-mode: forwards;
  }

  .stem {
    background-color: ▢ #b4d28c;
    width: 10px;
    height: 100%;
    bottom: 0;
    left: 50%;
    position: relative;
    transform: translateX(-50%);
  }

  .leaf {
    position: absolute;
    background-color: ▢ #a3c872;
    width: 48px;
    height: 48px;
    box-shadow: 0 0 0 2px #84ae4d;
    animation-name: turn;
    animation-duration: 4s;
    animation-fill-mode: forwards;
  }

  .right {
    border-radius: 60% 0 60% 0;
    left: calc(50% + 5px);
    transform: rotate3d(0, 1, 0, 45deg);
    transform-origin: left;
  }

  .left {
    border-radius: 0 60% 0 60%;
    left: calc(50% - 55px);
    transform: rotate3d(0, 1, 0, 45deg);
    transform-origin: right;
  }

  .pedals {
    z-index: 1;
    position: absolute;
```

```css
    border-radius: 100%;
}

footer {
    z-index: 2;
    position: absolute;
    bottom: 0;
    right: 0;
    padding: 10px;
    color: ☐ white
}

#music-control span {
    font-size: 48px;
}
```