<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Memorama</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css">

</head>

<body>

<!-- CSS -->

<!-- efectos visuales -->

<style>

:root {

--w: calc(70vw / 6);

--h: calc(70vh / 4);

}

\* {

transition: all 0.5s;

}

body {

padding: 0;

margin: 0;

--webkit-perspective: 1000;

background: powderblue;

min-height: 100vh;

display: flex;

flex-direction: column;

justify-content: center;

align-items: center;

text-align: center;

font-family: calibri;

}

div {

display: inline-block;

}

.area-tarjeta,

.tarjeta,

.cara {

cursor: pointer;

width: var(--w);

min-width: 100px;

height: var(--h);

}

.tarjeta {

position: relative;

transform-style: preserve-3d;

animation: iniciar 5s;

}

.cara {

position: absolute;

backface-visibility: hidden;

box-shadow: inset 0 0 0 5px white;

font-size: 500%;

display: flex;

justify-content: center;

align-items: center;

}

.trasera {

background-color: lightcyan;

transform: rotateY(180deg);

}

.superior {

background: linear-gradient(orange, darkorange);

}

.nuevo-juego {

cursor: pointer;

background: linear-gradient(orange, darkorange);

padding: 20px;

border-radius: 50px;

border: white 5px solid;

font-size: 130%;

}

@keyframes iniciar {

20%,

90% {

transform: rotateY(180deg);

}

0%,

100% {

transform: rotateY(0deg);

}

}

</style>

<!-- HTML -->

<!-- estructura visual -->

<div id="tablero">

</div>

<br>

<div class="nuevo-juego" onclick="generarTablero()">

Nuevo Juego

</div>

<!-- JS -->

<!-- parte lógica -->

<script>

let iconos = []

let selecciones = []

generarTablero()

function cargarIconos() {

iconos = [

'<i class="fas fa-star"></i>',

'<i class="far fa-star"></i>',

'<i class="fas fa-star-of-life"></i>',

'<i class="fas fa-star-and-crescent"></i>',

'<i class="fab fa-old-republic"></i>',

'<i class="fab fa-galactic-republic"></i>',

'<i class="fas fa-sun"></i>',

'<i class="fas fa-stroopwafel"></i>',

'<i class="fas fa-dice"></i>',

'<i class="fas fa-chess-knight"></i>',

'<i class="fas fa-chess"></i>',

'<i class="fas fa-dice-d20"></i>',

]

}

function generarTablero() {

cargarIconos()

selecciones = []

let tablero = document.getElementById("tablero")

let tarjetas = []

for (let i = 0; i < 24; i++) {

tarjetas.push(`

<div class="area-tarjeta" onclick="seleccionarTarjeta(${i})">

<div class="tarjeta" id="tarjeta${i}">

<div class="cara trasera" id="trasera${i}">

${iconos[0]}

</div>

<div class="cara superior">

<i class="far fa-question-circle"></i>

</div>

</div>

</div>

`)

if (i % 2 == 1) {

iconos.splice(0, 1)

}

}

tarjetas.sort(() => Math.random() - 0.5)

tablero.innerHTML = tarjetas.join(" ")

}

function seleccionarTarjeta(i) {

let tarjeta = document.getElementById("tarjeta" + i)

if (tarjeta.style.transform != "rotateY(180deg)") {

tarjeta.style.transform = "rotateY(180deg)"

selecciones.push(i)

}

if (selecciones.length == 2) {

deseleccionar(selecciones)

selecciones = []

}

}

function deseleccionar(selecciones) {

setTimeout(() => {

let trasera1 = document.getElementById("trasera" + selecciones[0])

let trasera2 = document.getElementById("trasera" + selecciones[1])

if (trasera1.innerHTML != trasera2.innerHTML) {

let tarjeta1 = document.getElementById("tarjeta" + selecciones[0])

let tarjeta2 = document.getElementById("tarjeta" + selecciones[1])

tarjeta1.style.transform = "rotateY(0deg)"

tarjeta2.style.transform = "rotateY(0deg)"

}else{

trasera1.style.background = "plum"

trasera2.style.background = "plum"

}

}, 1000);

}

</script>

</body>

</html>