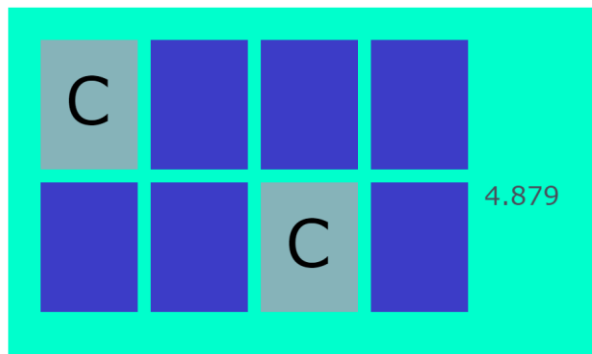


Φύλλο εργασίας για «HTML5 -JavaScript»

Εκπαιδευτικός: Παπαστεργίου Κωνσταντίνος, Καθηγητής Πληροφορικής

Δημιουργία παιχνιδιού Memory v02



```
<!doctype html>
<meta charset="UTF-8">
<meta charset="UTF-8">
<title>memory game 10/3/2021</title>
<CENTER>
<canvas width="920" height="540" ></canvas>
<script src="requestAnimationFramePolyfill.js"></script>
<script>
var canvas = document.querySelector("canvas");
var ctx = canvas.getContext("2d");

var aclass =
{
x: 0,
y: 0,
width: 50,
height: 60
};

var table=new Array;

var card1 = Object.create(aclass);
card1.info="A";
card1.face=true;
table[1]=card1;

var card2 = Object.create(aclass);
card2.info="B";
card2.face=true;
table[2]=card2;

var card3 = Object.create(aclass);
```

```

card3.info="C";
card3.face=true;
table[3]=card3;
var card4 = Object.create(aclass);
card4.info="D";
card4.face=true;
table[4]=card4;
var card5 = Object.create(aclass);
card5.info="A";
card5.face=true;
table[5]=card5;
var card6 = Object.create(aclass);
card6.info="B";
card6.face=true;
table[6]=card6;
var card7 = Object.create(aclass);
card7.info="C";
card7.face=true;
table[7]=card7;
var card8 = Object.create(aclass);
card8.info="D";
card8.face=true;
table[8]=card8;
for(var i=1; i<9;i++){
r=Math.floor(Math.random()*8)+1;
temp1=table[i];
table[i]=table[r];
table[r]=temp1;
}
var ch=0;
var score=0;
var a=0;
var starttime = new Date().getTime();
var pos1;
var pos2;
canvas.addEventListener("mousemove", mousemoveHandler, false);
canvas.addEventListener("mousedown", mousedownHandler, false);
function mousemoveHandler(event)
{
var mouseX = event.pageX - canvas.offsetLeft;
var mouseY = event.pageY - canvas.offsetTop;
canvas.style.cursor = "default";
for(i=1;i<9;i++){
if(table[i].face==true){

```



```

update();
function update() {
requestAnimationFrame(update, canvas);
ctx.fillStyle="#00FFCC";
ctx.fillRect(0, 0, canvas.width, canvas.height);
for(i=1;i<9;i++){
if(i<5){
if(table[i].face==true){
ctx.fillStyle="#3C3CC7";
ctx.fillRect(170*i-120, 50, 150, 200);}
else{
ctx.fillStyle="#86B3B9";
ctx.fillRect(170*i-120, 50, 150, 200);
ctx.fillStyle="black";
ctx.font = "100px Verdana";
ctx.fillText(table[i].info,170*i-120+38,50+130);}
}
else if(i>=5 && i<9){
if(table[i].face==true){
ctx.fillStyle="#3C3CC7";
ctx.fillRect(170*(i-4)-120, 270, 150, 200);}
else{
ctx.fillStyle="#86B3B9";
ctx.fillRect(170*(i-4)-120, 270, 150, 200);
ctx.fillStyle="black";
ctx.font = "100px Verdana";
ctx.fillText(table[i].info,170*(i-4)-120+38,270+130);}
}
}
if(ch==2){
if(table[pos1].info==table[pos2].info){
score++;
ch=0; }
else{
a=a+5;
if(a>400){
table[pos1].face=true;
table[pos2].face=true;
ch=0;
a=0;}
}
}
nt = new Date().getTime();
seconds =nt-starttime;

```

```
sec=seconds/1000
ctx.fillStyle= "#4C4D5A";
ctx.font = "40px Verdana";
ctx.fillText(sec ,735,305);
}
</script>
</html>
```