

Index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>JS Patterns</title>
    <link rel="stylesheet" type="text/css" href="style.css">
    <script src="gamearea.js"></script>
    <script src="main.js"></script>
  </head>

  <body>
    <div id = "wrapperDiv"></div>

  </body>

</html>
```

Gamearea.js

```
var tiles=[];
var buttons=[];

function GameArea(){
  //Wrapper Div
  this.wrapperDiv=document.getElementById("wrapperDiv");

  // create tileMenuDiv
  this.tileMenuDiv = document.createElement("div");
  this.wrapperDiv.appendChild(this.tileMenuDiv);

  //create 4 tile divs
  for(var i=0; i<4; i++){
    tiles[i]=this.tileDiv=document.createElement("div");
    this.tileMenuDiv.appendChild(tiles[i]);
    tiles[i].setAttribute("style", "padding:20px;width:45px;height:35px;margin-top:
50px;background-color: white;border: solid black 2px;position:relative;left:805px; top: 115px;");
  }

  // create buttonMenuDiv
  this.buttonMenuDiv = document.createElement("div");
  this.wrapperDiv.appendChild(this.buttonMenuDiv);
```

```
//create 4 button divs
for(var i=0; i<4; i++){
    buttons[i]=this.buttonDiv=document.createElement("div");
    this.buttonMenuDiv.appendChild(buttons[i]);
    buttons[i].setAttribute("style",
"padding:20px;width:55px;height:45px;margin-right:100px;margin-top:
50px;border-radius:100%;background-color: white;border: solid black
2px;float:left;position:relative;bottom:510px;left:60px;");
}

// create html canvas inside wrapperDiv
canvas2=document.createElement("canvas");
this.wrapperDiv.appendChild(canvas2);
}
```

main.js

```
var canvas;
var ctx;
var game;

window.onload=init;

function init(){
    game=new Game();

    animate();
}

function Game(){
    this.ga=new GameArea();
}

function animate(){
    requestAnimationFrame(animate);
}
```

Style.css

```
body{
```

```
background-color: black;
margin:0;
}
```

```
#canvas2{
background-color: purple;
height: 500px;
width: 800px;
position:relative;
bottom:505px;
}
```

```
#wrapperDiv{
height: 600px;
width: 900px;
margin:auto;
margin-top: 20px;
}
```

```
#tileMenuDiv{
float:right;
position: relative;
background-color: blue;
width: 100px;
height:500px;
}
```

```
#buttonMenuDiv{
float:left;
position: relative;
background-color: blue;
width: 900px;
height:100px;
}
```