<h1>My app 😀</h1>

<div>

<div class="colorpicker">

<label for="div\_border">Div border color</label><br>

<input onchange="changeBorderColor(this)" id="div\_border" type="color"><br>

</div>

<div class="colorpicker">

<label for="div\_background">Div background color</label><br>

<input onchange="changeBackgroundColor(this)" id="div\_background" type="color"><br>

</div>

<div class="colorpicker">

<label for="div\_futur\_border">Div final border color</label><br>

<input id="div\_futur\_border" type="color"><br>

</div>

<div class="colorpicker">

<label for="div\_futur\_background">Div final background color</label><br>

<input id="div\_futur\_background" type="color"><br>

</div>

</div>

<div id="canvas">

</div>

<button onclick="launchAnimation()" id="startAnimation">Start animation</button>

<button onclick="launchZoomIn()" id="zoomIn">Zoom In</button>

<button onclick="launchZoomOut()" id="zoomOut">Zoom Out</button>

\* {

text-align: center;

font-family: Arial, Helvetica, sans-serif;

}

.colorpicker{

display: inline-block;

margin-right: 1rem;

}

#canvas{

margin: 2rem auto;

border: 4px solid black;

height: 250px;

width: 250px;

}

//Change div color on color picker change

function changeBorderColor(elem){

document.getElementById('canvas').style.borderColor = elem.value

}

function changeBackgroundColor(elem){

document.getElementById('canvas').style.backgroundColor = elem.value

}

//Animation part

let div = document.getElementById("canvas")

let animation\_color = null

let animation\_pause = false

function launchAnimation(){

if(animation\_color == null){

document.getElementById('startAnimation').textContent = 'Pause animation'

animation\_color = div.animate({

backgroundColor: [document.getElementById("div\_background").value, document.getElementById("div\_futur\_background").value],

borderColor: [document.getElementById("div\_border").value, document.getElementById("div\_futur\_border").value]

},{

direction: "normal",

duration: 5000,

iterations: 1

})

animation\_color.onfinish = () => {

div.style.borderColor = document.getElementById("div\_border").value

div.style.backgroundColor = document.getElementById("div\_background").value

animation\_color = null

animation\_pause = false

document.getElementById('startAnimation').textContent = 'Start animation'

}

}

else{

if(animation\_pause == false){

animation\_color.pause()

animation\_pause = true

document.getElementById('startAnimation').textContent = 'Resume animation'

}

else{

animation\_color.play()

animation\_pause = false

document.getElementById('startAnimation').textContent = 'Pause animation'

}

}

}

let animation\_zoom = null

let animation\_pause\_zoom = false

function launchZoomIn(){

if(animation\_zoom == null){

document.getElementById('zoomIn').textContent = 'Pause zoom'

document.getElementById('zoomOut').textContent = 'Pause zoom'

animation\_zoom = div.animate({

transform: ['scale(1, 1)', 'scale(1.5, 1.5)']

},{

duration: 2000,

iterations: 1

})

animation\_zoom.onfinish = () => {

document.getElementById('zoomIn').textContent = 'Zoom In'

document.getElementById('zoomOut').textContent = 'Zoom Out'

animation\_zoom = null

animation\_pause\_zoom = false

}

}

else{

if(animation\_pause\_zoom == false){

animation\_zoom.pause()

animation\_pause\_zoom = true

document.getElementById('zoomIn').textContent = 'Resume zoom'

document.getElementById('zoomOut').textContent = 'Resume zoom'

}

else{

animation\_zoom.play()

animation\_pause\_zoom = false

document.getElementById('zoomIn').textContent = 'Pause zoom'

document.getElementById('zoomOut').textContent = 'Pause zoom'

}

}

}

function launchZoomOut(){

if(animation\_zoom == null){

document.getElementById('zoomIn').textContent = 'Pause zoom'

document.getElementById('zoomOut').textContent = 'Pause zoom'

animation\_zoom = div.animate({

transform: ['scale(1, 1)', 'scale(0.5, 0.5)']

},{

duration: 2000,

iterations: 1

})

animation\_zoom.onfinish = () => {

document.getElementById('zoomIn').textContent = 'Zoom In'

document.getElementById('zoomOut').textContent = 'Zoom Out'

animation\_zoom = null

animation\_pause\_zoom = false

}

}

else{

if(animation\_pause\_zoom == false){

animation\_zoom.pause()

animation\_pause\_zoom = true

document.getElementById('zoomIn').textContent = 'Resume zoom'

document.getElementById('zoomOut').textContent = 'Resume zoom'

}

else{

animation\_zoom.play()

animation\_pause\_zoom = false

document.getElementById('zoomIn').textContent = 'Pause zoom'

document.getElementById('zoomOut').textContent = 'Pause zoom'

}

}

}