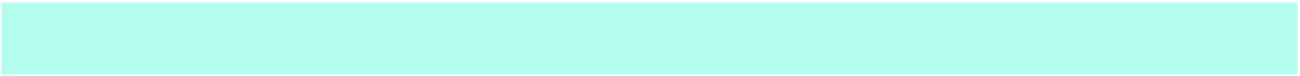
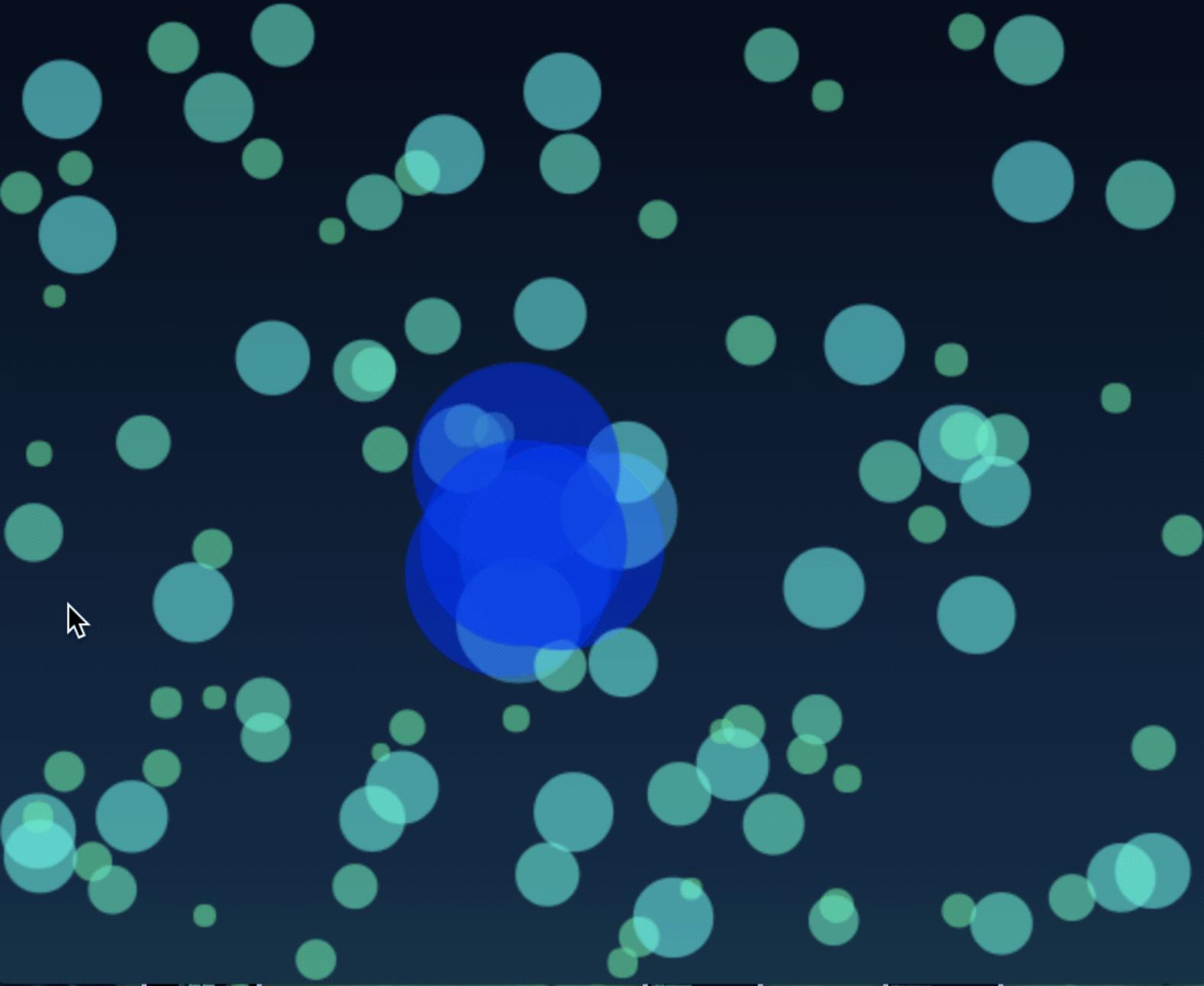


```
mounted () {
 this.$refs.canvas.width = window.innerWidth
 this.$refs.canvas.height = window.innerHeight
 for (let i = 0; i < this.numberOfCircles; i++) {</pre>
   let radius = this.randomNumber(5, 20)
   let diameter = radius * 2;
   let circleObj = {
     radius: radius,
     x: this.randomNumber(diameter, window.innerWidth - diameter),
     y: this.randomNumber(diameter, window.innerHeight - diameter),
     dx: this.randomNumber(-1, 1),
     dy: this.randomNumber(-1, 1),
     color: this.mainColor
   this.circles.push(
     new CreateCircle(circleObj, this.canvasContext, this.mouse)
 this.animate()
```

```
props: {
 mainColor: {
   type: String,
   default: '#00ff5a'
  numberOfCircles: {
   type: Number,
    default: 50
```

```
randomNumber (min, max) {
   return Math.random() * (max - min) + min
},
```







```
const CreateCircle = (circleObj, canvasContext, mouse) => {
  return {
   x: circleObj.x,
    y: circleObj.y,
    dx: circleObj.dx,
    dy: circleObj.dy,
    radius: circleObj.radius,
   minRadius: circleObj.radius,
   maxRadius: circleObj.radius * 2,
    draw () {
      canvasContext.beginPath()
      canvasContext.arc(this.x, this.y, this.radius, 0, Math.PI * 2, false)
      canvasContext.fillStyle = Color(circleObj.color).rotate(this.radius * 2).alpha(0.5)
      canvasContext.fill()
    },
    update () {
      if (this.x + this.radius > innerWidth || this.x - this.radius < 0) {</pre>
        this.dx = -this.dx
      if (this.y + this.radius > innerHeight || this.y - this.radius < 0) {</pre>
        this.dy = -this.dy
      this.x += this.dx
      this.y += this.dy
      this.interactWithMouse()
      this.draw()
    interactWithMouse () {
      if (mouse_x - this_x < 50 \&\& mouse_x - this_x > -50 \&\&
              mouse y - this y < 50 \& mouse y - this y > -50) {
        if (this.radius < this.maxRadius) {</pre>
          this.radius += 1
      } else if (this.radius > this.minRadius) {
        this.radius -= 1
```