

Build this as my initial prototype

Copy-paste this component to /components/ui folder:

```
``tsx
```

```
globe.tsx
```

```
"use client"
```

```
import createGlobe, { COBEOptions } from "cobe"
```

```
import { useCallback, useEffect, useRef, useState } from "react"
```

```
import { cn } from "@lib/Utils"
```

```
const GLOBE_CONFIG: COBEOptions = {  
  width: 800,  
  height: 800,  
  onRender: () => {},  
  devicePixelRatio: 2,  
  phi: 0,  
  theta: 0.3,  
  dark: 0,  
  diffuse: 0.4,  
  mapSamples: 16000,  
  mapBrightness: 1.2,  
  baseColor: [1, 1, 1],  
  markerColor: [251 / 255, 100 / 255, 21 / 255],  
  glowColor: [1, 1, 1],  
  markers: [  
    { location: [14.5995, 120.9842], size: 0.03 },  
    { location: [19.076, 72.8777], size: 0.1 },  
    { location: [23.8103, 90.4125], size: 0.05 },  
    { location: [30.0444, 31.2357], size: 0.07 },  
    { location: [39.9042, 116.4074], size: 0.08 },  
    { location: [-23.5505, -46.6333], size: 0.1 },  
    { location: [19.4326, -99.1332], size: 0.1 },  
    { location: [40.7128, -74.006], size: 0.1 },  
    { location: [34.6937, 135.5022], size: 0.05 },  
    { location: [41.0082, 28.9784], size: 0.06 },  
  ],  
}
```

```
export function Globe({  
  className,  
  config = GLOBE_CONFIG,  
}): {
```

```

className?: string
config?: COBEOptions
}) {
  let phi = 0
  let width = 0
  const canvasRef = useRef<HTMLCanvasElement>(null)
  const pointerInteracting = useRef(null)
  const pointerInteractionMovement = useRef(0)
  const [r, setR] = useState(0)

  const updatePointerInteraction = (value: any) => {
    pointerInteracting.current = value
    if (canvasRef.current) {
      canvasRef.current.style.cursor = value ? "grabbing" : "grab"
    }
  }

  const updateMovement = (clientX: any) => {
    if (pointerInteracting.current !== null) {
      const delta = clientX - pointerInteracting.current
      pointerInteractionMovement.current = delta
      setR(delta / 200)
    }
  }

  const onRender = useCallback(
    (state: Record<string, any>) => {
      if (!pointerInteracting.current) phi += 0.005
      state.phi = phi + r
      state.width = width * 2
      state.height = width * 2
    },
    [r],
  )

  const onResize = () => {
    if (canvasRef.current) {
      width = canvasRef.current.offsetWidth
    }
  }

  useEffect(() => {
    window.addEventListener("resize", onResize)
    onResize()
  })

```

```

const globe = createGlobe(canvasRef.current!, {
  ...config,
  width: width * 2,
  height: width * 2,
  onRender,
})

setTimeout(() => (canvasRef.current!.style.opacity = "1"))
return () => globe.destroy()
}, [])

return (
  <div
    className={cn(
      "absolute inset-0 mx-auto aspect-[1/1] w-full max-w-[600px]",
      className,
    )}
  >
    <canvas
      className={cn(
        "size-full opacity-0 transition-opacity duration-500 [contain:layout_paint_size]",
      )}
      ref={canvasRef}
      onPointerDown={(e) =>
        updatePointerInteraction(
          e.clientX - pointerInteractionMovement.current,
        )
      }
      onPointerUp={() => updatePointerInteraction(null)}
      onPointerOut={() => updatePointerInteraction(null)}
      onMouseMove={(e) => updateMovement(e.clientX)}
      onTouchMove={(e) =>
        e.touches[0] && updateMovement(e.touches[0].clientX)
      }
    />
  </div>
)
}

```

demo.tsx

```

import { Globe } from "@components/ui/globe"

```

```

export function GlobeDemo() {
  return (
    <div className="relative flex size-full max-w-lg items-center justify-center overflow-hidden
rounded-lg border bg-background px-40 pb-40 pt-8 md:pb-60 md:shadow-xl">
      <span className="pointer-events-none whitespace-pre-wrap bg-gradient-to-b from-black
to-gray-300/80 bg-clip-text text-center text-8xl font-semibold leading-none text-transparent
dark:from-white dark:to-slate-900/10">
        Globe
      </span>
      <Globe className="top-28" />
      <div className="pointer-events-none absolute inset-0 h-full
bg-[radial-gradient(circle_at_50%_200%,rgba(0,0,0,0.2),rgba(255,255,255,0))]" />
    </div>
  )
}

```

Install these NPM dependencies:

```

```bash
cobe
```

```