

Build this as my initial prototype

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

```
```tsx
```

```
splite.tsx
```

```
'use client'
```

```
import { Suspense, lazy } from 'react'
```

```
const Spline = lazy(() => import('@splinetool/react-spline'))
```

```
interface SplineSceneProps {
```

```
 scene: string
```

```
 className?: string
```

```
}
```

```
export function SplineScene({ scene, className }: SplineSceneProps) {
```

```
 return (
```

```
 <Suspense
```

```
 fallback={
```

```
 <div className="w-full h-full flex items-center justify-center">
```

```

```

```
 </div>
```

```
 }
```

```
 >
```

```
 <Spline
```

```
 scene={scene}
```

```
 className={className}
```

```
 />
```

```
 </Suspense>
```

```
)
```

```
}
```

```
demo.tsx
```

```
'use client'
```

```
import { SplineScene } from "@components/ui/splite";
```

```
import { Card } from "@components/ui/card"
```

```
import { Spotlight } from "@components/ui/spotlight"
```

```
export function SplineSceneBasic() {
```

```
 return (
```

```
 <Card className="w-full h-[500px] bg-black/[0.96] relative overflow-hidden">
```

```
 <Spotlight
```

```
 className="-top-40 left-0 md:left-60 md:-top-20"
```

```

 fill="white"
 />

 <div className="flex h-full">
 { /* Left content */ }
 <div className="flex-1 p-8 relative z-10 flex flex-col justify-center">
 <h1 className="text-4xl md:text-5xl font-bold bg-clip-text text-transparent
bg-gradient-to-b from-neutral-50 to-neutral-400">
 Interactive 3D
 </h1>
 <p className="mt-4 text-neutral-300 max-w-lg">
 Bring your UI to life with beautiful 3D scenes. Create immersive experiences
 that capture attention and enhance your design.
 </p>
 </div>

 { /* Right content */ }
 <div className="flex-1 relative">
 <SplineScene
 scene="https://prod.spline.design/kZDDjO5HuC9GJUM2/scene.splinecode"
 className="w-full h-full"
 />
 </div>
 </div>
 </Card>
)
}
...

```

Copy-paste these files for dependencies:

```
````tsx
```

```
acernity/spotlight
```

```
import React from "react";
```

```
import { cn } from "@lib/utlis";
```

```
type SpotlightProps = {
```

```
  className?: string;
```

```
  fill?: string;
```

```
};
```

```
export const Spotlight = ({ className, fill }: SpotlightProps) => {
```

```
  return (
```

```
    <svg
```

```
      className={cn(
```

```

    "animate-spotlight pointer-events-none absolute z-[1] h-[169%] w-[138%] lg:w-[84%]
opacity-0",
    className
  )}
  xmlns="http://www.w3.org/2000/svg"
  viewBox="0 0 3787 2842"
  fill="none"
>
  <g filter="url(#filter)">
    <ellipse
      cx="1924.71"
      cy="273.501"
      rx="1924.71"
      ry="273.501"
      transform="matrix(-0.822377 -0.568943 -0.568943 0.822377 3631.88 2291.09)"
      fill={fill || "white"}
      fillOpacity="0.21"
    ></ellipse>
  </g>
  <defs>
    <filter
      id="filter"
      x="0.860352"
      y="0.838989"
      width="3785.16"
      height="2840.26"
      filterUnits="userSpaceOnUse"
      colorInterpolationFilters="sRGB"
    >
      <feFlood floodOpacity="0" result="BackgroundImageFix"></feFlood>
      <feBlend
        mode="normal"
        in="SourceGraphic"
        in2="BackgroundImageFix"
        result="shape"
      ></feBlend>
      <feGaussianBlur
        stdDeviation="151"
        result="effect1_foregroundBlur_1065_8"
      ></feGaussianBlur>
    </filter>
  </defs>
</svg>
);

```

```

};

...

```tsx
ibelick/spotlight
'use client';
import React, { useRef, useState, useCallback, useEffect } from 'react';
import { motion, useSpring, useTransform, SpringOptions } from 'framer-motion';
import { cn } from '@lib/utls';

type SpotlightProps = {
 className?: string;
 size?: number;
 springOptions?: SpringOptions;
};

export function Spotlight({
 className,
 size = 200,
 springOptions = { bounce: 0 },
}: SpotlightProps) {
 const containerRef = useRef<HTMLDivElement>(null);
 const [isHovered, setIsHovered] = useState(false);
 const [parentElement, setParentElement] = useState<HTMLElement | null>(null);

 const mouseX = useSpring(0, springOptions);
 const mouseY = useSpring(0, springOptions);

 const spotlightLeft = useTransform(mouseX, (x) => `${x - size / 2}px`);
 const spotlightTop = useTransform(mouseY, (y) => `${y - size / 2}px`);

 useEffect(() => {
 if (containerRef.current) {
 const parent = containerRef.current.parentElement;
 if (parent) {
 parent.style.position = 'relative';
 parent.style.overflow = 'hidden';
 setParentElement(parent);
 }
 }
 }, []);

 const handleMouseMove = useCallback(
 (event: MouseEvent) => {

```

```

 if (!parentElement) return;
 const { left, top } = parentElement.getBoundingClientRect();
 mouseX.set(event.clientX - left);
 mouseY.set(event.clientY - top);
 },
 [mouseX, mouseY, parentElement]
);

useEffect(() => {
 if (!parentElement) return;

 parentElement.addEventListener('mousemove', handleMouseMove);
 parentElement.addEventListener('mouseenter', () => setIsHovered(true));
 parentElement.addEventListener('mouseleave', () => setIsHovered(false));

 return () => {
 parentElement.removeEventListener('mousemove', handleMouseMove);
 parentElement.removeEventListener('mouseenter', () => setIsHovered(true));
 parentElement.removeEventListener('mouseleave', () =>
 setIsHovered(false)
);
 };
}, [parentElement, handleMouseMove]);

return (
 <motion.div
 ref={containerRef}
 className={cn(
 'pointer-events-none absolute rounded-full
bg-[radial-gradient(circle_at_center,var(--tw-gradient-stops),transparent_80%)] blur-xl
transition-opacity duration-200',
 'from-zinc-50 via-zinc-100 to-zinc-200',
 isHovered ? 'opacity-100' : 'opacity-0',
 className
)}
 style={{
 width: size,
 height: size,
 left: spotlightLeft,
 top: spotlightTop,
 }}
 />
);
}

```

```

...
````tsx
shadcn/card
import * as React from "react"

import { cn } from "@lib/Utils"

const Card = React.forwardRef<
  HTMLDivElement,
  React.HTMLAttributes<HTMLDivElement>
>(({ className, ...props }, ref) => (
  <div
    ref={ref}
    className={cn(
      "rounded-lg border bg-card text-card-foreground shadow-sm",
      className,
    )}
    {...props}
  />
))
Card.displayName = "Card"

const CardHeader = React.forwardRef<
  HTMLDivElement,
  React.HTMLAttributes<HTMLDivElement>
>(({ className, ...props }, ref) => (
  <div
    ref={ref}
    className={cn("flex flex-col space-y-1.5 p-6", className)}
    {...props}
  />
))
CardHeader.displayName = "CardHeader"

const CardTitle = React.forwardRef<
  HTMLParagraphElement,
  React.HTMLAttributes<HTMLHeadingElement>
>(({ className, ...props }, ref) => (
  <h3
    ref={ref}
    className={cn(
      "text-2xl font-semibold leading-none tracking-tight",
      className,
    )}
  />
))
CardTitle.displayName = "CardTitle"

```

```

    })
    {...props}
  />
))
CardTitle.displayName = "CardTitle"

const CardDescription = React.forwardRef<
  HTMLParagraphElement,
  React.HTMLAttributes<HTMLParagraphElement>
>(({ className, ...props }, ref) => (
  <p
    ref={ref}
    className={cn("text-sm text-muted-foreground", className)}
    {...props}
  />
))
CardDescription.displayName = "CardDescription"

const CardContent = React.forwardRef<
  HTMLDivElement,
  React.HTMLAttributes<HTMLDivElement>
>(({ className, ...props }, ref) => (
  <div ref={ref} className={cn("p-6 pt-0", className)} {...props} />
))
CardContent.displayName = "CardContent"

const CardFooter = React.forwardRef<
  HTMLDivElement,
  React.HTMLAttributes<HTMLDivElement>
>(({ className, ...props }, ref) => (
  <div
    ref={ref}
    className={cn("flex items-center p-6 pt-0", className)}
    {...props}
  />
))
CardFooter.displayName = "CardFooter"

export { Card, CardHeader, CardFooter, CardTitle, CardDescription, CardContent }
...

```

Install these NPM dependencies:

```
```bash
```

@splinetool/runtime, @splinetool/react-spline, framer-motion  
...