

## Component Breakdown: Animated Landing Page

### Table of Contents

- 1 AnimatedLandingPage (Main Component)
- 2 useState Hooks (Managing State)
- 3 useEffect (Timers for Animations)
- 4 Heading & Paragraph (Static Content)
- 5 Preventing Content Jumping
- 6 LoadingAnimation Component
- 7 RedirectNote Component
- 8 UX Enhancements & Best Practices

This document provides a breakdown of the Animated Landing Page component, including its structure, animations, and best practices.

#### 1 AnimatedLandingPage (Main Component)

The main page component that:

- ✓ Displays a welcome message and description.
- ✓ Shows a loading animation after 2 seconds.
- ✓ Hides the loading animation after 8 seconds.
- ✓ Displays a redirect note after 8.5 seconds.

#### 2 useState Hooks (Managing State)

Hooks used to manage the component's state:

```
const [loading, setLoading] = useState(false)  
const [showRedirectNote, setShowRedirectNote] = useState(false)
```

---

#### 3 useEffect (Timers for Animations)

Handles the timing of animations using `setTimeout`:

```
useEffect(() => {  
  const loadingTimer = setTimeout(() => { setLoading(true) }, 2000)  
  const hideLoadingTimer = setTimeout(() => { setLoading(false) },  
    8000)  
  const redirectNoteTimer = setTimeout(() => {
```

```
setShowRedirectNote(true) }, 8500)
```

```
return () => {  
  clearTimeout(loadingTimer)  
  clearTimeout(hideLoadingTimer)  
  clearTimeout(redirectNoteTimer)  
}  
}, [])
```

---

#### 4 Heading & Paragraph (Static Content)

Uses Framer Motion for smooth text animation:

```
<motion.h1  
  initial={{ opacity: 0, y: -50 }}  
  animate={{ opacity: 1, y: 0 }}  
  transition={{ duration: 0.8 }}  
> Welcome to Our Website </motion.h1>
```

---

#### 5 Preventing Content Jumping

The `div` reserves space to prevent content shifting:

```
<div className="min-h-[120px] flex items-center justify-center">  
  <AnimatePresence>  
    {loading && <LoadingAnimation />}  
  </AnimatePresence>  
</div>
```

---

#### 6 LoadingAnimation Component

This component creates a smooth loading effect:

```
function LoadingAnimation() {  
  return (  
    <motion.div animate={{ opacity: 1, scale: 1 }}>  
      <motion.div animate={{ rotate: 360 }} transition={{ repeat:  
Infinity }} />  
      <motion.h2 animate={{ opacity: 1, y: 0 }}> Loading...  
    </motion.h2>  
    </motion.div>  
  )  
}
```

---

## 7 RedirectNote Component

Shows a redirect message with an animation:

```
function RedirectNote() {  
  return (  
    <motion.div animate={{ opacity: 1, scale: 1 }}>  
      <svg>...</svg>  
      <motion.p animate={{ opacity: 1, y: 0 }}> If you are not redirected,  
      <a href="#">click here</a>. </motion.p>  
    </motion.div>  
  )  
}
```

---

## 8 UX Enhancements & Best Practices

- ✓ Prevents content jumping with `min-h-[120px]`.
- ✓ Ensures smooth transition between animations.
- ✓ Uses Framer Motion for a professional UX.