

PARENT	CHILDREN
<pre> Import Panel from ... export default function Accordion() {   return (     &lt;&gt;       &lt;h2&gt;Almaty, Kazakhstan&lt;/h2&gt;       &lt;Panel title="About"&gt;         With a population of about 2 million, Almaty is         Kazakhstan's largest city. From 1929 to 1997, it was its capital         city.       &lt;/Panel&gt;       &lt;Panel title="Etymology"&gt;         The name comes from &lt;span lang="kk-KZ"&gt;алма&lt;/span&gt;,         the Kazakh word for "apple" and is often translated as "full of         apples". In fact, the region surrounding Almaty is thought to be         the ancestral home of the apple, and the wild &lt;i         lang="la"&gt;Malus sieversii&lt;/i&gt; is considered a likely candidate         for the ancestor of the modern domestic apple.       &lt;/Panel&gt;     &lt;/&gt;   ); }</pre>	<pre> import { useState } from 'react';  export default function Panel({ title, children }) {   const [isActive, setIsActive] = useState(false);   return (     &lt;section className="panel"&gt;       &lt;h3&gt;{title}&lt;/h3&gt;       {isActive ? (         &lt;p&gt;{children}&lt;/p&gt;       ) : (         &lt;button onClick={() =&gt; setIsActive(true)}&gt;           Show         &lt;/button&gt;       )}     &lt;/section&gt;   ); }</pre>
<div> <div>1.</div> <div>2.</div> <div>3.</div> </div> <div> 1.-Remove state from the child components.  2.-Pass hardcoded data from the common parent.  3.-Add state to the common parent and pass it down together with the event handlers. </div>	
STEP1	STEP1
	<p>Start by <b>removing</b> this line from the Panel component:</p> <pre>const [isActive, setIsActive] = useState(false);</pre> <p>And instead, <b>add isActive</b> to the Panel's list of props:</p> <pre>function Panel({ title, children, isActive }) {</pre> <p>Conversely, the Panel component now has no control over the value of isActive—it's now up to the parent component!</p>
STEP2	STEP2
<p>Make the Accordion component pass a hardcoded value of isActive (for example, true) to both panels:</p> <pre> import { useState } from 'react';  export default function Accordion() {   return (     &lt;&gt;       &lt;h2&gt;Almaty, Kazakhstan&lt;/h2&gt;       &lt;Panel title="About" isActive={true}&gt;         With a population of about 2 million, Almaty is         Kazakhstan's largest city. From 1929 to 1997, it was         its capital city.       &lt;/Panel&gt;       &lt;Panel title="Etymology" isActive={true}&gt;         The name comes from &lt;span lang="kk-         KZ"&gt;алма&lt;/span&gt;, the Kazakh word for "apple"         and is often translated as "full of apples". In fact,         the region surrounding Almaty is thought to be the         ancestral home of the apple, and the wild &lt;i         lang="la"&gt;Malus sieversii&lt;/i&gt; is considered a likely         candidate for the ancestor of the modern domestic         apple.       &lt;/Panel&gt;     &lt;/&gt;   ); }</pre>	<pre> export default function Panel({ title, children, isActive }) {   return (     &lt;section className="panel"&gt;       &lt;h3&gt;{title}&lt;/h3&gt;       {isActive ? (         &lt;p&gt;{children}&lt;/p&gt;       ) : (         &lt;button onClick={() =&gt; setIsActive(true)}&gt;           Show         &lt;/button&gt;       )}     &lt;/section&gt;   ); }</pre>

Lifting state up often changes the nature of what you're storing as state. In this case, only one panel should be active at a time. This means that the Accordion common parent component needs to keep track of which panel is the active. IT could use a number as the index of the active Panel for the state variable

```
import { useState } from 'react';
```

```
export default function Accordion() {
  const [activeIndex, setActiveIndex] = useState(0);
  return (
    <>
      <h2>Almaty, Kazakhstan</h2>
      <Panel
        title="About"
        isActive={activeIndex === 0}
        onShow={() => setActiveIndex(0)}
      >
        With a population of about 2 million, Almaty is
        Kazakhstan's largest city. From 1929 to 1997, it was
        its capital city.
      </Panel>
      <Panel
        title="Etymology"
        isActive={activeIndex === 1}
        onShow={() => setActiveIndex(1)}
      >
        The name comes from <span lang="kk-KZ">алма</span>, the Kazakh word for "apple"
        and is often translated as "full of apples". In fact,
        the region surrounding Almaty is thought to be the
        ancestral home of the apple, and the wild <i
          lang="la">Malus sieversii</i> is considered a likely
        candidate for the ancestor of the modern domestic
        apple.
      </Panel>
    </>
  );
}
```

```
export default function Panel({
  title,
  children,
  isActive,
  onShow
}) {
  return (
    <section className="panel">
      <h3>{title}</h3>
      {isActive ? (
        <p>{children}</p>
      ) : (
        <button onClick={onShow}>
          Show
        </button>
      )}
    </section>
  );
}
```