

```
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 lang="kk-KZ">алма, 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 lang="la">Malus sieversii</i> is considered a likely candidate for the ancestor of the modern domestic apple.

```
  </Panel>
```

```
</>
```

```
)
```

```
}
```

```

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

```

Preserving and resetting state

```

import { useState } from "react";

export default function Messenger() {
  const [to, setTo] = useState(contacts[0]);

  return (
    <div style={{ display: 'flex', justifyContent: 'space-between', padding: '20px' }}>
      <ContactList contacts={contacts} selectedContact={to} onSelect={contact => setTo(contact)} />
      <Chat contact={to} />
    </div>
  );
}

```

```
const contacts = [  
  { name: 'Taylor', email: 'taylor@mail.com' },  
  { name: 'Alice', email: 'alice@mail.com' },  
  { name: 'Bob', email: 'bob@mail.com' }  
];
```

```
function ContactList({ contacts, selectedContact, onSelect }) {  
  return (  
    <section style={{ maxWidth: '200px' }}>  
      <ul style={{ listStyleType: 'none', padding: 0 }}>  
        {contacts.map(contact => (  
          <li key={contact.email} style={{ marginBottom: '10px' }}>  
            <button  
              style={{  
                width: '100%',  
                padding: '10px',  
                textAlign: 'left',  
                backgroundColor: selectedContact === contact ? '#e0e0e0' : '#f0f0f0',  
                border: 'none',  
                cursor: 'pointer'  
              }}  
              onClick={() => onSelect(contact)}  
            >  
              {contact.name}  
            </button>  
          </li>  
        ))}  
      </ul>  
    )  
  }  
}
```

```

    </section>

    );
}

function Chat({ contact }) {
  const [text, setText] = useState("");

  return (
    <section style={{ flex: 1, padding: '20px', border: '1px solid #ccc', borderRadius: '5px' }}>
      <textarea
        value={text}
        placeholder={'Chat to ' + contact.name}
        onChange={e => setText(e.target.value)}
        style={{
          width: '100%',
          height: '150px',
          padding: '10px',
          fontSize: '14px',
          border: '1px solid #ccc',
          borderRadius: '5px'
        }}
      />
      <button
        style={{
          marginTop: '10px',
          padding: '10px 20px',
          backgroundColor: '#007bff',
          color: 'white',
          border: 'none',

```

```
        cursor: 'pointer',
        fontSize: '14px'
    }}
    >
    Send to {contact.email}
</button>
</section>
);
}
```