

React Collapsible List CSS

how to do collapsible with react css for list

To create a collapsible list in React using CSS, you can use state to manage whether the list items are shown or hidden. Here's an example implementation:

Step 1: Create a React Component

You'll need a React component that can toggle the visibility of a list when clicked.

jsx

```
import React, { useState } from 'react';
import './CollapsibleList.css';

const CollapsibleList = () => {
  const [isOpen, setIsOpen] = useState(false);

  const toggleList = () => {
    setIsOpen(!isOpen);
  };

  return (
    <div>
      <button onClick={toggleList} className="collapsible-btn">
        {isOpen ? 'Hide List' : 'Show List'}
      </button>
      <ul className={`collapsible-list ${isOpen ? 'open' : ''}`}>
        <li>Item 1</li>
        <li>Item 2</li>
        <li>Item 3</li>
        <li>Item 4</li>
      </ul>
    </div>
  );
};

export default CollapsibleList;
```

Step 2: Add CSS Styling

Next, create a `CollapsibleList.css` file with styles for the collapsible list.

CSS

```
/* Collapsible button style */
.collapsible-btn {
  padding: 10px 20px;
  font-size: 16px;
  cursor: pointer;
  background-color: #007bff;
  color: white;
  border: none;
  border-radius: 5px;
  margin-bottom: 10px;
}

/* Initial state of the list (hidden) */
.collapsible-list {
  list-style-type: none;
  padding: 0;
  margin: 0;
  display: none;
  transition: max-height 0.3s ease-out;
}

/* When the list is open, make it visible */
.collapsible-list.open {
  display: block;
}

/* Additional styling for list items */
.collapsible-list li {
  padding: 8px;
  background-color: #f1f1f1;
  border: 1px solid #ddd;
  margin: 5px 0;
}
```

Explanation:

1. `useState` is used to toggle the state of the list (`isOpen`), controlling whether the list is shown or hidden.

2. The **button** toggles the list visibility, and the **ul** element gets a CSS class **open** when **isOpen** is **true**, making it visible.
3. The **CSS** uses the **display** property to hide and show the list, and the **transition** property is added to make the opening and closing smoother.

Step 3: Use the Component

Now, you can use the **CollapsibleList** component in your app:

```
jsx

import React from 'react';
import CollapsibleList from './CollapsibleList';

function App() {
  return (
    <div className="App">
      <h1>Collapsible List</h1>
      <CollapsibleList />
    </div>
  );
}

export default App;
```

This will create a collapsible list that shows or hides when the button is clicked.