

Rendering List in React

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Using the Javascript map()

The .map() method is the most common way to render lists in React. It iterates over an array and returns a new array of JSX elements.

```
const users = [  
  { id: 1, name: 'Alice' },  
  { id: 2, name: 'Bob' },  
  { id: 3, name: 'Charlie' }  
];  
  
const UserList = () => {  
  return (  
    <ul>  
      {users.map(user => (  
        <li key={user.id}>{user.name}</li>  
      ))}  
    </ul>  
  );  
};
```

Using the key Prop

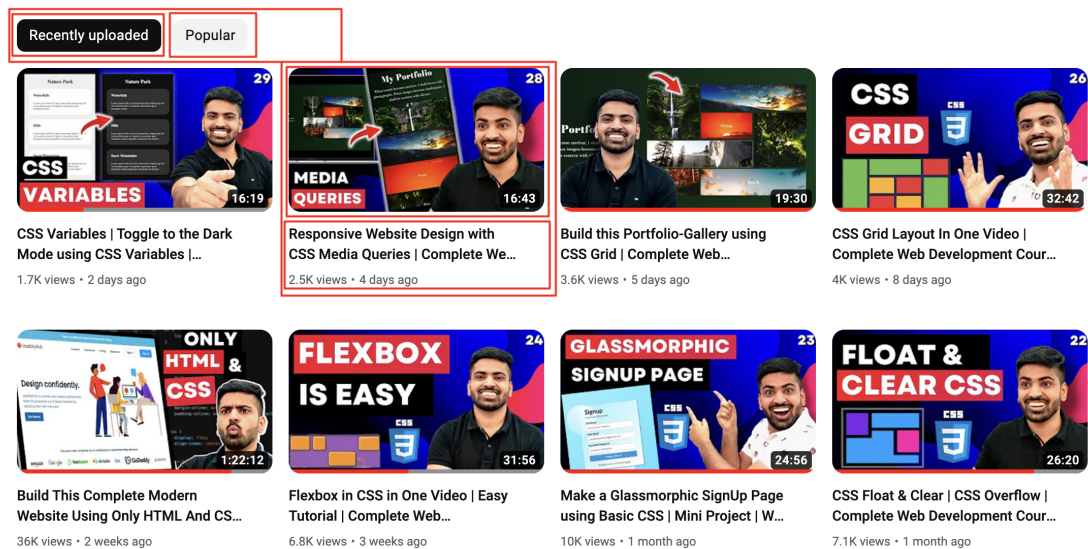
When rendering lists in React, each element must have a unique key to help React efficiently update the UI. The key prop is essential for identifying elements and ensuring that changes (such as additions, deletions, or reordering) are correctly handled.

```
const fruits = ['Apple', 'Banana', 'Cherry'];

const FruitList = () => {
  return (
    <ul>
      {fruits.map((fruit, index) => (
        <li key={index}>{fruit}</li>
      ))}
    </ul>
  );
};
```

Assignment

1. Build a clone of YouTube video page section. Create Different components for all the red boxes.



2. Pricing page

Basic	Pro	Premium
10GB Storage	25GB Storage	50GB Storage
10 Emails	25 Emails	50 Emails
10 Domains	25 Domains	50 Domains
Endless Support	Endless Support	Endless Support
\$ 10 per month	\$ 25 per month	\$ 50 per month
Sign Up	Sign Up	Sign Up