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Case Study 1: Use and get familiar with installation, components, JSX, Developer Console, Babel, props, events and states.

Code:

App.js

```
import React from 'react';
import './App.css';
import CricketerList from './components/CricketerList';
function App() {
  return (
    <div className="App">
      <CricketerList />
    </div>
  );
}
```

export default App;

CricketerList.js

```
import React, { useState } from 'react';
import CricketerVote from './CricketerVote';
import './CricketerList.css';
import cricketer1 from '../assets/cricketer1.jpg';
import cricketer2 from '../assets/cricketer2.jpg';
import cricketer3 from '../assets/cricketer3.jpg';
import cricketer4 from '../assets/cricketer4.jpg';
import cricketer5 from '../assets/cricketer5.jpg';
```

```

const cricketersData = [
  { id: 1, name: 'Virat Kohli', image: cricketer1, votes: 0 },
  { id: 2, name: 'AB Deviliers', image: cricketer2, votes: 0 },
  { id: 3, name: 'Glenn Maxwell', image: cricketer3, votes: 0 },
  { id: 4, name: 'Smiriti Mandana', image: cricketer4, votes: 0 },
  { id: 5, name: 'Rohit sharama', image: cricketer5, votes: 0 },
];

const CricketerList = () => {
  const [cricketers, setCricketers] = useState(cricketersData);
  const [submitted, setSubmitted] = useState(false);
  const handleVote = (id) => {
    const updatedCricketers = cricketers.map((cricketer) =>
      cricketer.id === id ? { ...cricketer, votes: cricketer.votes + 1 } : cricketer
    );
    setCricketers(updatedCricketers);
  };
  const handleSubmit = () => {
    setSubmitted(true);
  };
  const winner = cricketers.reduce(
    (max, cricketer) => (cricketer.votes > max.votes ? cricketer : max),
    cricketers[0]
  );
  return (
    <div>

```

```

    <h1>Cricketer Voting</h1>
    <div className="cricketer-list">
      {cricketers.map((cricketer) => (
        <CricketerVote key={cricketer.id} cricketer={cricketer}
onVote={handleVote} />
      ))}
    </div>

    <button className="submit-button"
onClick={handleSubmit}>Submit</button>

    {submitted && (
      <h2>
        {winner.name} is getting the maximum votes with {winner.votes} votes!
      </h2>
    )}
  </div>
);
};
export default CricketerList;

```

CricketerVote.js

```






import React from 'react';
const CricketerVote = ({ cricketer, onVote }) => (
  <div className="cricketer">
    <img src={cricketer.image} alt={cricketer.name} />
    <h3>{cricketer.name}</h3>
    <p>Votes: {cricketer.votes}</p>
    <button onClick={() => onVote(cricketer.id)}>Vote</button>
  </div>
)

```

```
</div>  
);  
export default CricketerVote;
```

Output:

Cricketer Voting

				
Virat Kohli	AB Devillers	Glenn Maxwell	Smriti Mandana	Rohit sharama
Votes: 14	Votes: 10	Votes: 5	Votes: 8	Votes: 6
Vote	Vote	Vote	Vote	Vote

[Submit](#)

Virat Kohli is getting the maximum votes with 14 votes!