# REACT.Js COMPONENT

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And management

### **CARD COMPONENT**

```
💢 File Edit Selection View Go Run …
                                                                                                                                        EXPLORER
                             # card.css U ×
                                                                                                   # card.css U X
                                                                                                                                                            ξη Ⅲ ...
                                                                                                   card > src > card > # card.css > 😭 .card p
      > OPEN EDITORS
                             card > src > card > # card.css > 😫 .card
                                    .card{
                                                                                                          .card .image img{
     ∨ REACT PROJECT
                                        padding:10px;
                                                                                                             width:100%;

✓ card

                                        border:1px solid □#000;
                                                                                                             height:100%;
        > node_modules
                                        border-radius: 10px;
                                                                                                             object-fit: cover;
        > public
                                        flex-shrink: 0;
                                        flex-grow: 0;

✓ button

                                        background-color: ■#fff;
                                        width:300px;
          # button.css
                                                                                                          .card .image img:hover{
                                        height:250px;
                                                                                                              transform: scale(1.2);
          # Button.jsx
                                        display: flex;

✓ card

                                        flex-direction: column;
                                        align-items: center
                                                                                                          .card h3{
          🛱 card.jsx
                                                                                                              text-align: center;
         > images
                                                                                                              margin:7px;
         # App.css
                                    .card.show{
         JS App.js
                       M
                                        height:340px;
                                                                                                          .card p{
         JS App.test.js
                                                                                                              text-align: justify;
         # index.css
                                                                                                              width:230px;
         JS index.js
                                                                                                              padding:10px 0px;
         🖆 logo.svg
                                                                                                    48
         JS reportWebVitals.js
                                    .card .image{
                                        border-radius: 6px;
         JS setupTests.js
                                        overflow:hidden;
        gitignore
                                        background: ■ red;
        {} package-lock.json
        {} package.json
      > OUTLINE
                                    .card .image img{
                                       width:100%;
      > TIMELINE
   ழு main* அ ⊗ 0 <u>A</u> 0 இ 0
                                                                                                                       X File Edit Selection View Go Run …
                                                                                                                                                            th □ ...
                             ⇔ card.jsx U 🗙
       EXPLORER
     > OPEN EDITORS
                             import React, { useState } from 'react'

✓ REACT PROJECT

                                    import { Button } from '../button/Button'

✓ card

                                    import './card.css'
                                    export const Card = ({card}) => {
        > public
                                      const [show, setShow] = useState(false);
                                      function buttonClick(){

✓ button

                                       setShow(!show);
          # button.css
          Button.jsx
                                        <div className={show ? "card show" : "card"}>

✓ card

                                            <div className="image";</pre>
          # card.css
                                               <img src={card.url} alt="" />
         > images
                                            <h3>{card.title}</h3>
         # App.css
                       M
                                                show && {card.description}
         JS App.js
         JS App.test.js
                                            <Button buttonClick = {buttonClick} show={show}/>
         JS index.js
         🔓 logo.svg
         JS reportWebVitals.js
        JS setupTests.js
        gitignore
       {} package-lock.json
       {} package.json
      > OUTLINE
```

> TIMELINE

ያ main\* ፍ> ⊗ 0 <u>ለ</u> 0 ∰ 0

### **BUTTON COMPONENT:**

```
X File Edit Selection View
                             Go Run …

⊕ Button.jsx U X

                                                                                        th II ...
                                                                                                     # button.css U X
       EXPLORER
      > OPEN EDITORS
                              card > src > button > 🌣 Button.jsx > ...
                                                                                                     card > src > button > # button.css > 4 button:hover
                                     import React from 'react'
                                                                                                            button{

∨ REACT PROJECT

                                     import './button.css'
                                                                                                                outline:none;

∨ card

                                                                                                                border: none;
                                     export const Button = ({buttonClick,show}) => {
                                                                                                                width:90%;
        > public
                                                                                                                padding: 10px 5px;
                                         <button onClick={buttonClick}>
                                                                                                                background: aqua;

✓ button

                                             {show ? 'show less' : 'show more' }
                                                                                                                border-radius: 5px;
          # button.css
                                                                                                                font-weight: bold;
                                                                                                                margin-inline: auto;

✓ card

          # card.css
          e card.jsx
                                                                                                            button:hover{
         > images
                                                                                                                opacity:.6;
                                                                                                       15
         # App.css
         JS App.js
                        M
         JS App.test.js
         # index.css
         JS index.js
         logo.svg
         JS reportWebVitals.js
         JS setupTests.js
        gitignore
        {} package-lock.json
        {} package.json
      > OUTLINE
      > TIMELINE
    წ main* ⇔ ⊗ 0 <u>∧</u> 0   (ഉ) 0
```

# **APP COMPONENT:**

```
Edit Selection
                  View
                        Go Run …
                                                                              P react project
                                                                                                                                                              □ …
   EXPLORER
                         # App.css M ×
                                                                             JS App.test.js X
 > OPEN EDITORS
                         card > src > # App.css > 43 *
                                                                             card > src > JS App.test.js > ...
                                                                                    import { render, screen } from '@testing-library/react';
 ∨ REACT ... [ □ □ ひ 回
                                  margin:0;
                                                                                    import App from './App';

∨ card

                                  padding:0;
                                  box-sizing:border-box;
                                                                                    test('renders learn react link', () => {
    > public
                                  transition:.3s;
                                                                                      render(<App />);
                                                                                      const linkElement = screen.getByText(/learn react/i);

→ button

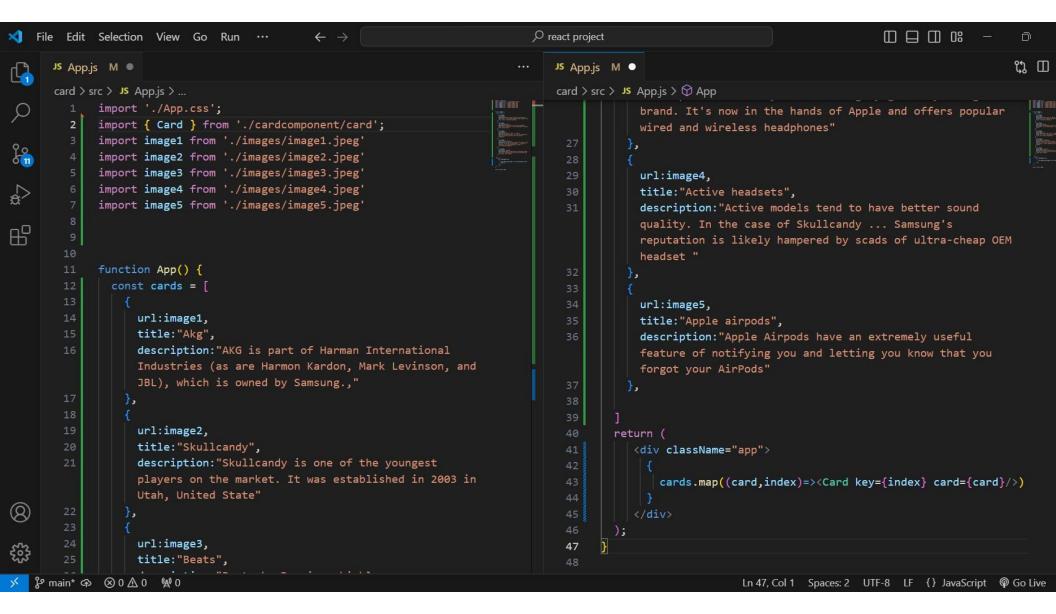
                                                                                      expect(linkElement).toBeInTheDocument();
      # button.css
                                ::-webkit-scrollbar{
                                  display:none;
      Button.jsx

✓ card

      # card.css
                                  height:100vh;
     > images
                                  padding:20px;
     # App.css
                   M
                                  display: flex;
                                  justify-content: space-between;
     JS App.js
                                  align-items:center;
     JS App.test.js
                                  gap:20px;
     # index.css
                                  overflow:scroll;
     JS index.js
                                  background: □#000;
     🖆 logo.svg
     JS reportWebVitals.js
    JS setupTests.js
    gitignore
    {} package-lock.json
    {} package.json
  > OUTLINE
  > TIMELINE
ያ main* ፍ ⊗ 0 <u>ለ</u> 0 🙀 0
```

# Approach:

- 1. Initially taking an array of objects.
- 2. Passing this card array to child (card component) of App component By using props;
- 3. Getting data as argument like {card} in card component.
- 4. In card component I use one state [show, setShow] to get extra info as Description.
- 5. When we click the button then show becomes true by assigning setShow (!show)



# **OUTPUT:**

