

# React.js Component Creation

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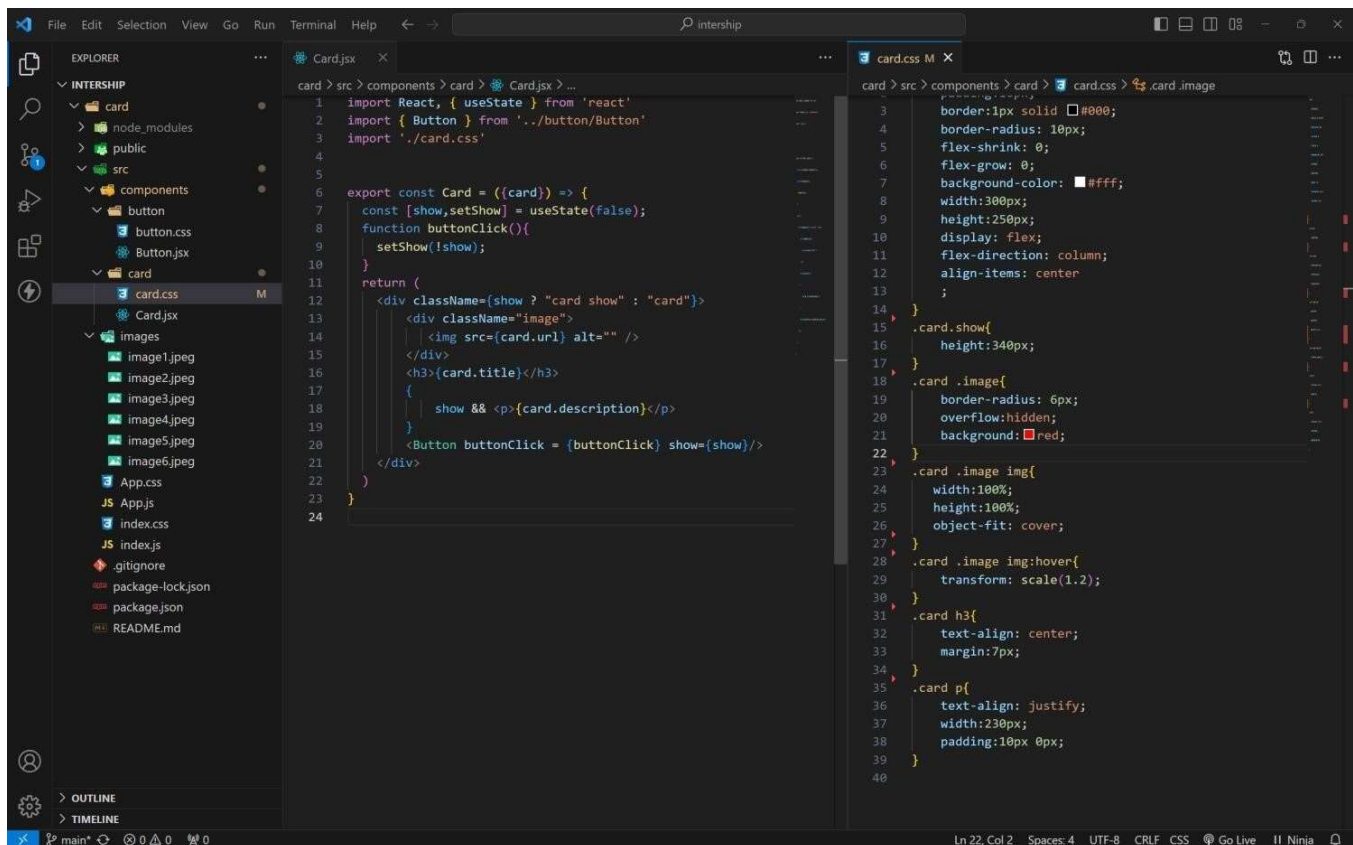
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## Source Code:

### CARD COMPONENT:



```
File Edit Selection View Go Run Terminal Help ← → intership

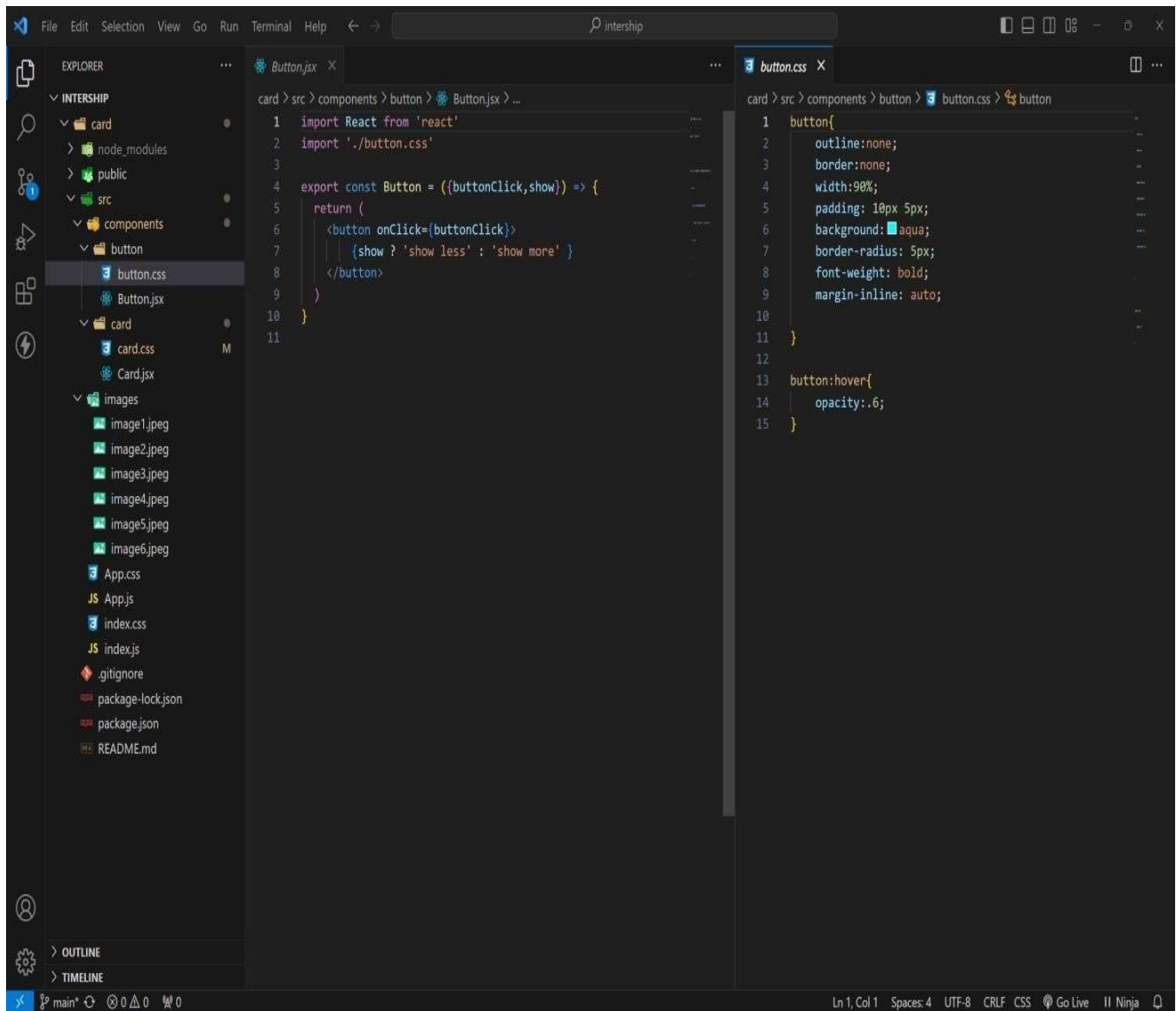
EXPLORER
▼ INTERSHIP
  ▼ card
    > node_modules
    > public
    > src
      ▼ components
        button
          button.css
          Button.jsx
        card
          card.css M
          Card.jsx
          images
            image1.jpeg
            image2.jpeg
            image3.jpeg
            image4.jpeg
            image5.jpeg
            image6.jpeg
          App.css
          App.js
          index.css
          index.js
          .gitignore
          package-lock.json
          package.json
          README.md

OUTLINE
TIMELINE

card > src > components > card > Card.jsx > ...
1 import React, { useState } from 'react'
2 import { Button } from '../button/Button'
3 import './card.css'
4
5
6 export const Card = ({card}) => {
7   const [show, setShow] = useState(false);
8   function handleClick(){
9     setShow(!show);
10  }
11  return (
12    <div className={show ? "card show" : "card"}>
13      <div className="image">
14        <img src={card.url} alt="" />
15      </div>
16      <h3>{card.title}</h3>
17      {
18        show && <p>{card.description}</p>
19      }
20      <Button handleClick = {handleClick} show={show}/>
21    </div>
22  )
23 }
24

card > src > components > card > card.css > card_image
1
2
3 border:1px solid #000;
4 border-radius: 10px;
5 flex-shrink: 0;
6 flex-grow: 0;
7 background-color: #fff;
8 width:300px;
9 height:250px;
10 display: flex;
11 flex-direction: column;
12 align-items: center
13 ;
14
15 .card.show{
16   height:340px;
17 }
18 .card .image{
19   border-radius: 6px;
20   overflow:hidden;
21   background: red;
22 }
23 .card .image img{
24   width:100%;
25   height:100%;
26   object-fit: cover;
27 }
28 .card .image img:hover{
29   transform: scale(1.2);
30 }
31 .card h3{
32   text-align: center;
33   margin:7px;
34 }
35 .card p{
36   text-align: justify;
37   width:230px;
38   padding:10px 0px;
39 }
40
```

## BUTTON COMPONENT:



The screenshot shows a VS Code editor with the following structure:

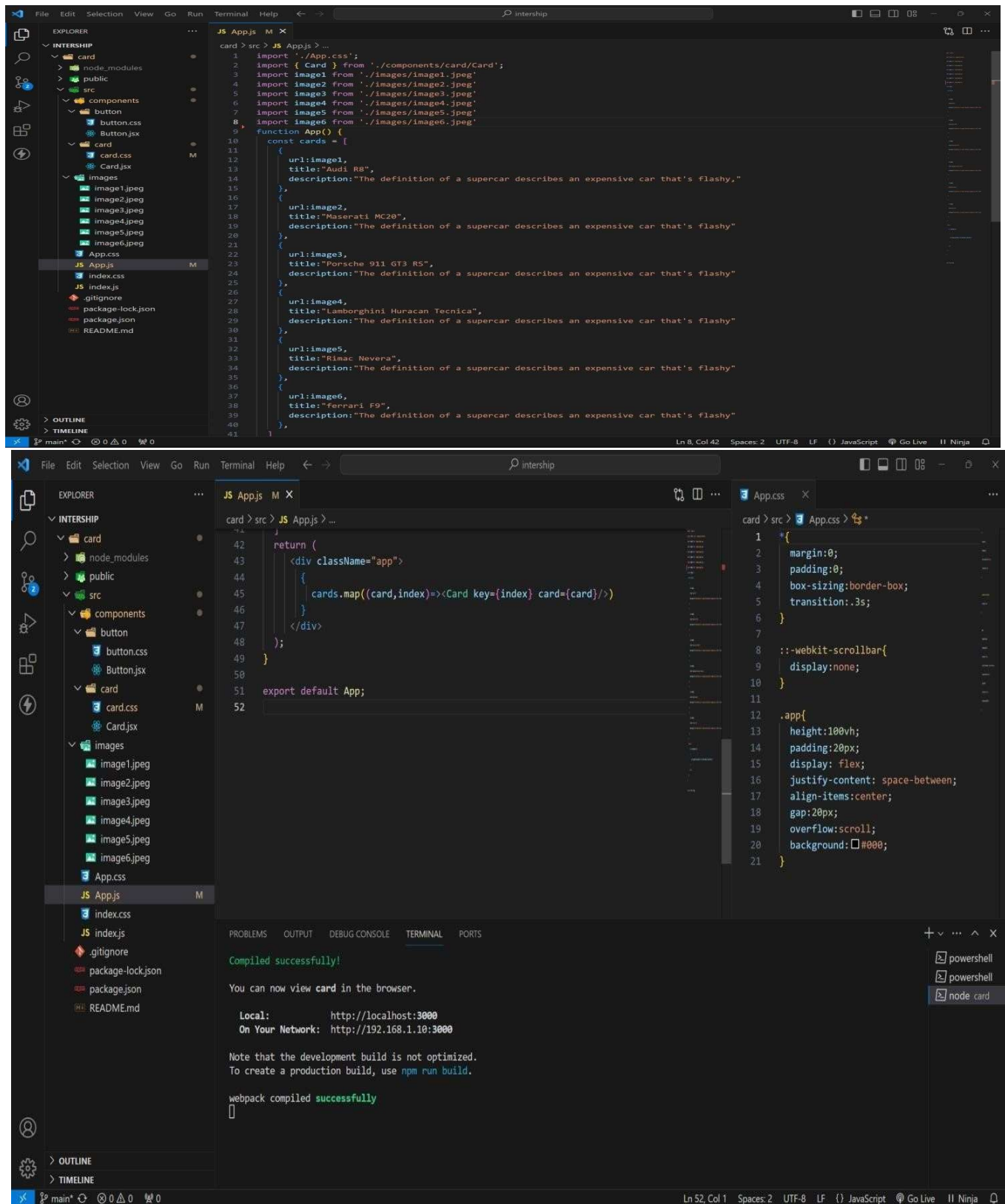
- EXPLORER:** A file tree on the left showing the project structure. The path `card > src > components > button` is expanded, highlighting `button.css` and `Button.jsx`.
- Button.jsx:** The main component file, containing the following code:

```
1 import React from 'react'
2 import './button.css'
3
4 export const Button = ({buttonClick, show}) => {
5   return (
6     <button onClick={buttonClick}>
7       {show ? 'show less' : 'show more'}
8     </button>
9   )
10 }
11
```
- button.css:** The CSS file for the button, containing the following code:

```
1 button{
2   outline:none;
3   border:none;
4   width:90%;
5   padding: 10px 5px;
6   background: #aqua;
7   border-radius: 5px;
8   font-weight: bold;
9   margin-inline: auto;
10 }
11
12
13 button:hover{
14   opacity:.6;
15 }
```

The status bar at the bottom indicates the current file is `main*` with 0 errors, 0 warnings, and 0 info messages. The editor is using the `UTF-8` encoding and `CRLF` line endings.

## APP COMPONENT:



## Approach:

### 1 . initially taking an array of objects like below

```
const cards = [  
  {  
    url:image1,  
    title:"Audi R8",  
    description:"The definition of a supercar describes an expensive car that's flashy,"  
  },  
  {  
    url:image2,  
    title:"Maserati MC20",  
    description:"The definition of a supercar describes an expensive car that's flashy"  
  },  
  {  
    url:image3,  
    title:"Porsche 911 GT3 RS",  
    description:"The definition of a supercar describes an expensive car that's flashy"  
  },  
  {  
    url:image4,  
    title:"Lamborghini Huracan Tecnica",  
    description:"The definition of a supercar describes an expensive car that's flashy"  
  },  
  {  
    url:image5,  
    title:"Rimac Nevera",  
    description:"The definition of a supercar describes an expensive car that's flashy"  
  },  
  {  
    url:image6,  
    title:"ferrari F9",  
    description:"The definition of a supercar describes an expensive car that's flashy"  
  },  
]
```

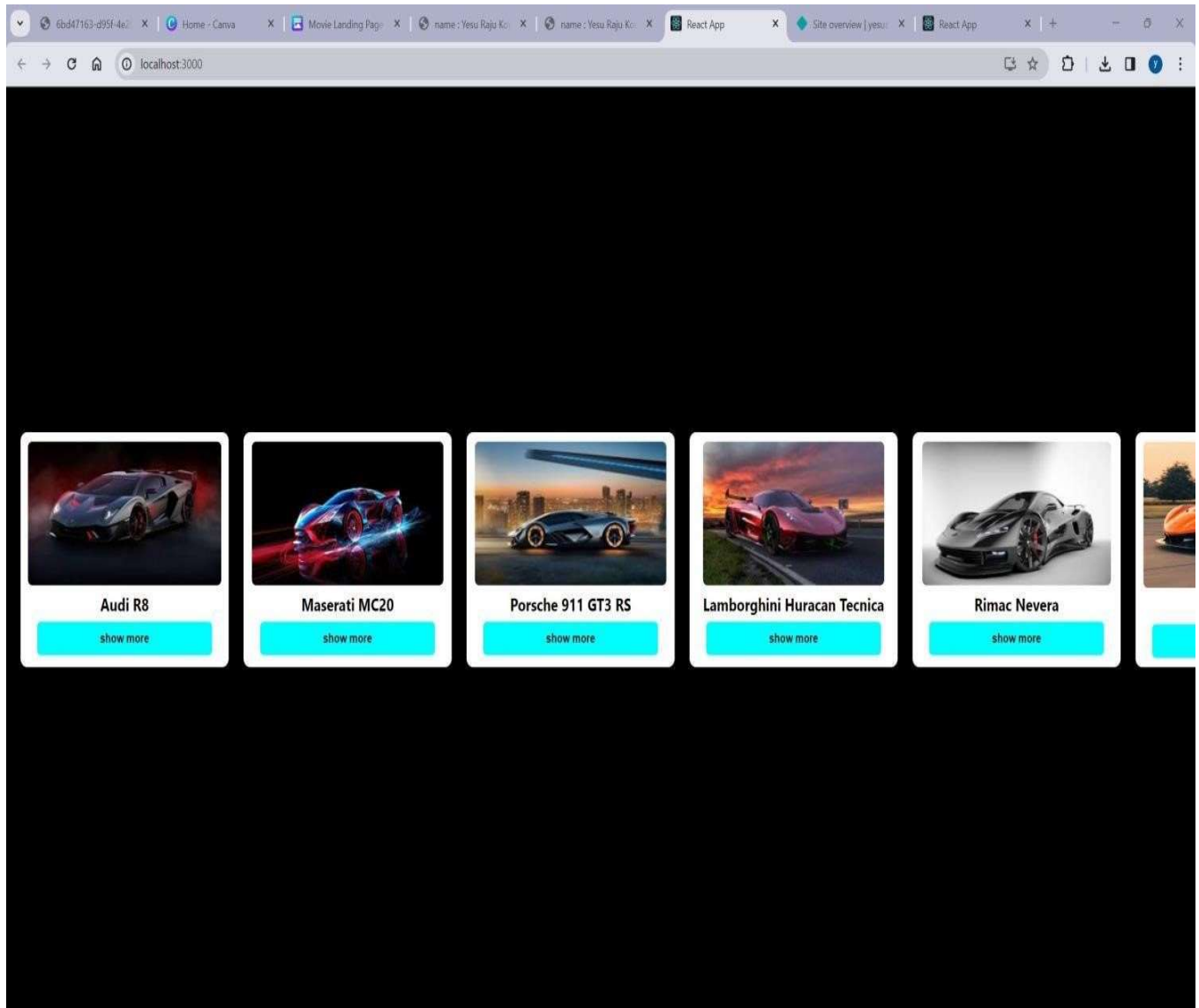
### 2 . Passing this card array to child (card component) of App component by using props;

### 3 . getting data as argument like {card} in card component.

### 4 . in card component i use one state [show, set Show] to get extra info as description.

### 5 . When we click the button then show becomes true by assigning set Show (! show).

## OUTPUT:



AFTER BUTTON CLICKS:

