

# React.js Component Creation

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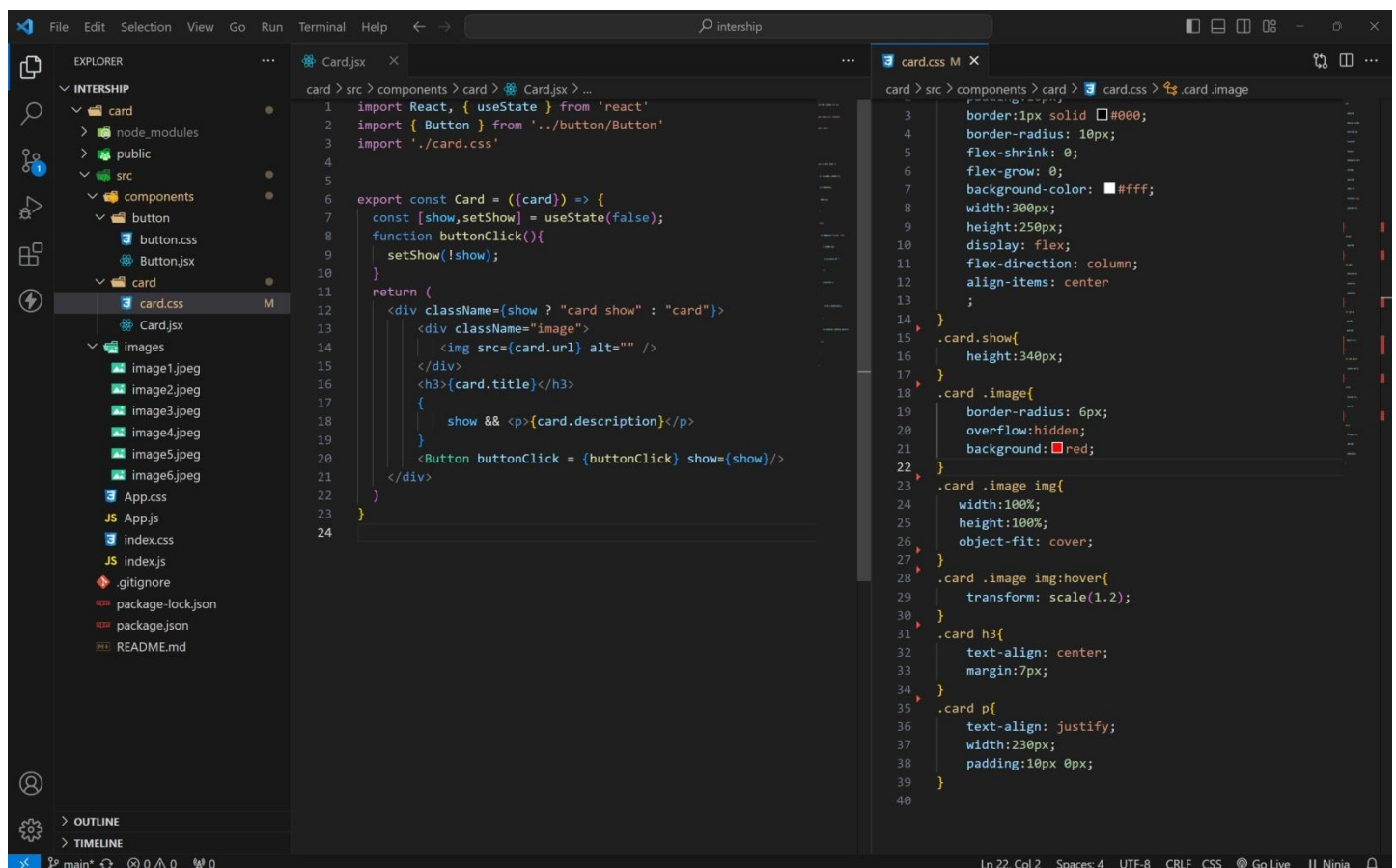
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source code :

CARD COMPONENT :

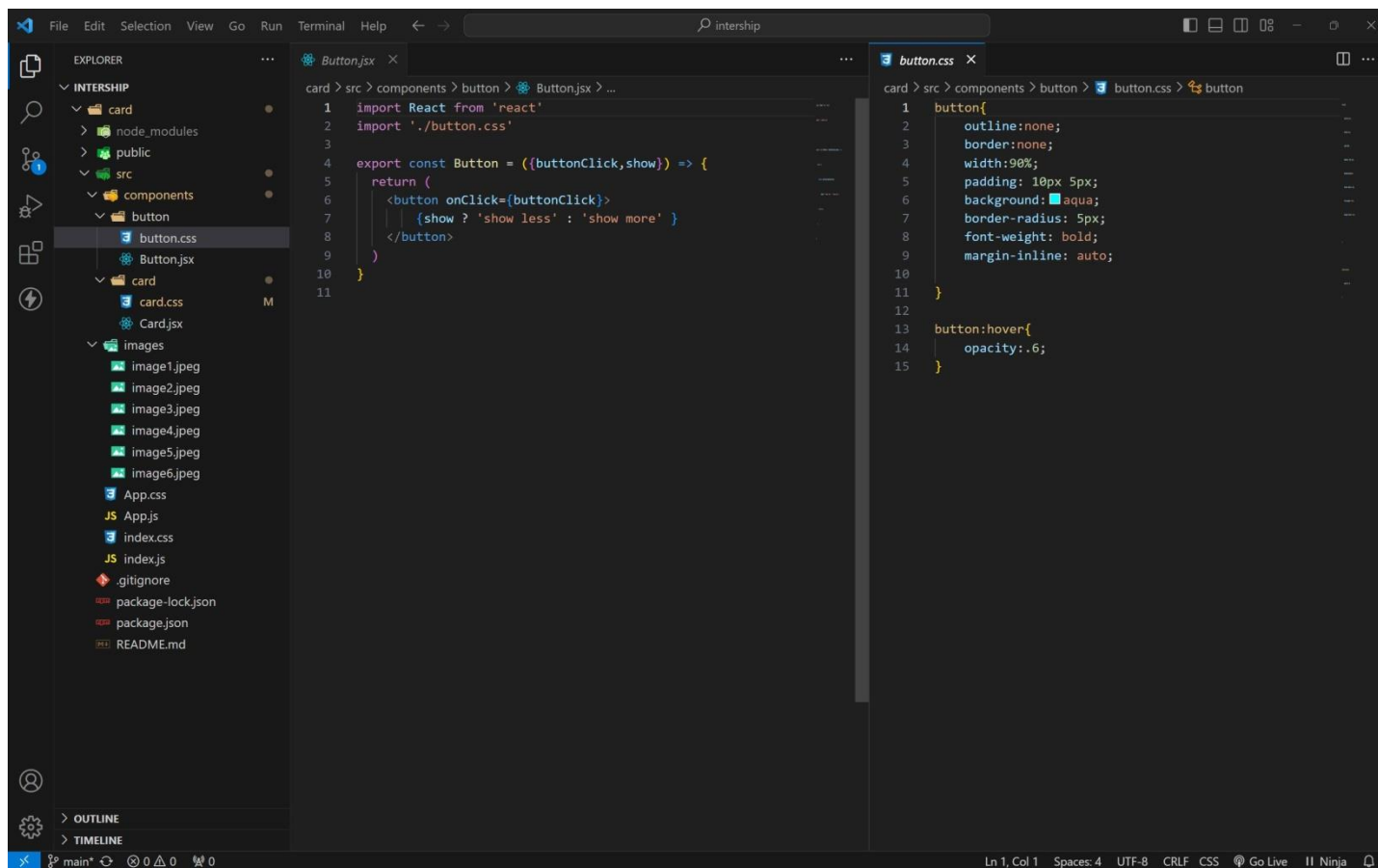


The screenshot shows a VS Code editor with two files open: Card.js and card.css. The Card.js file is located at card > src > components > card > Card.js. It imports React, useState, and Button from 'react'. It defines a Card component that takes props and returns a JSX element. The card.css file is located at card > src > components > card > card.css. It defines styles for the card, including border, padding, and background color.

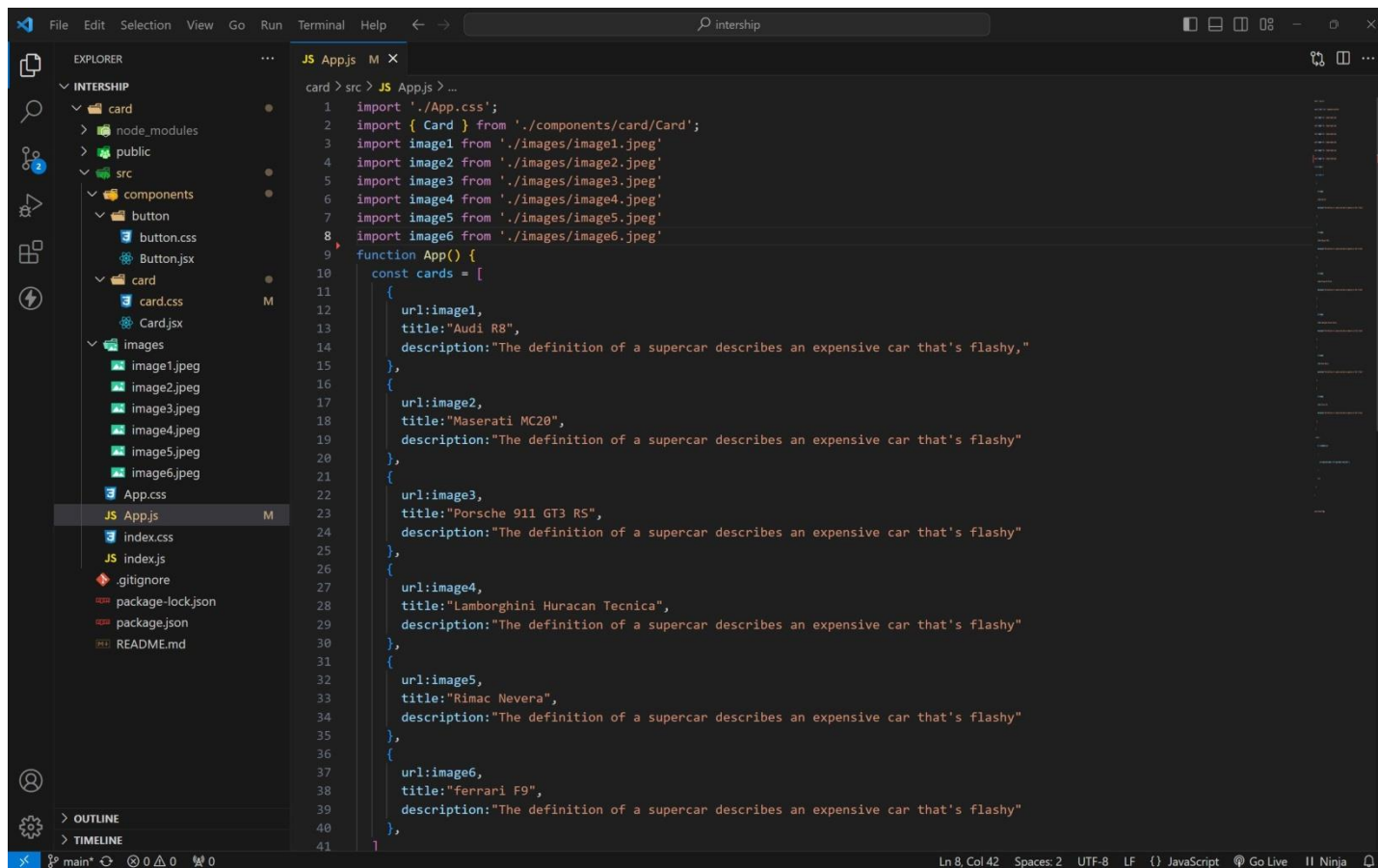
```
1 import React, { useState } from 'react'
2 import { Button } from '../button/Button'
3 import './card.css'
4
5
6 export const Card = ({card}) => {
7   const [show, setShow] = useState(false);
8   function handleClick() {
9     setShow(!show);
10  }
11   return (
12     <div className={show ? "card 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
```

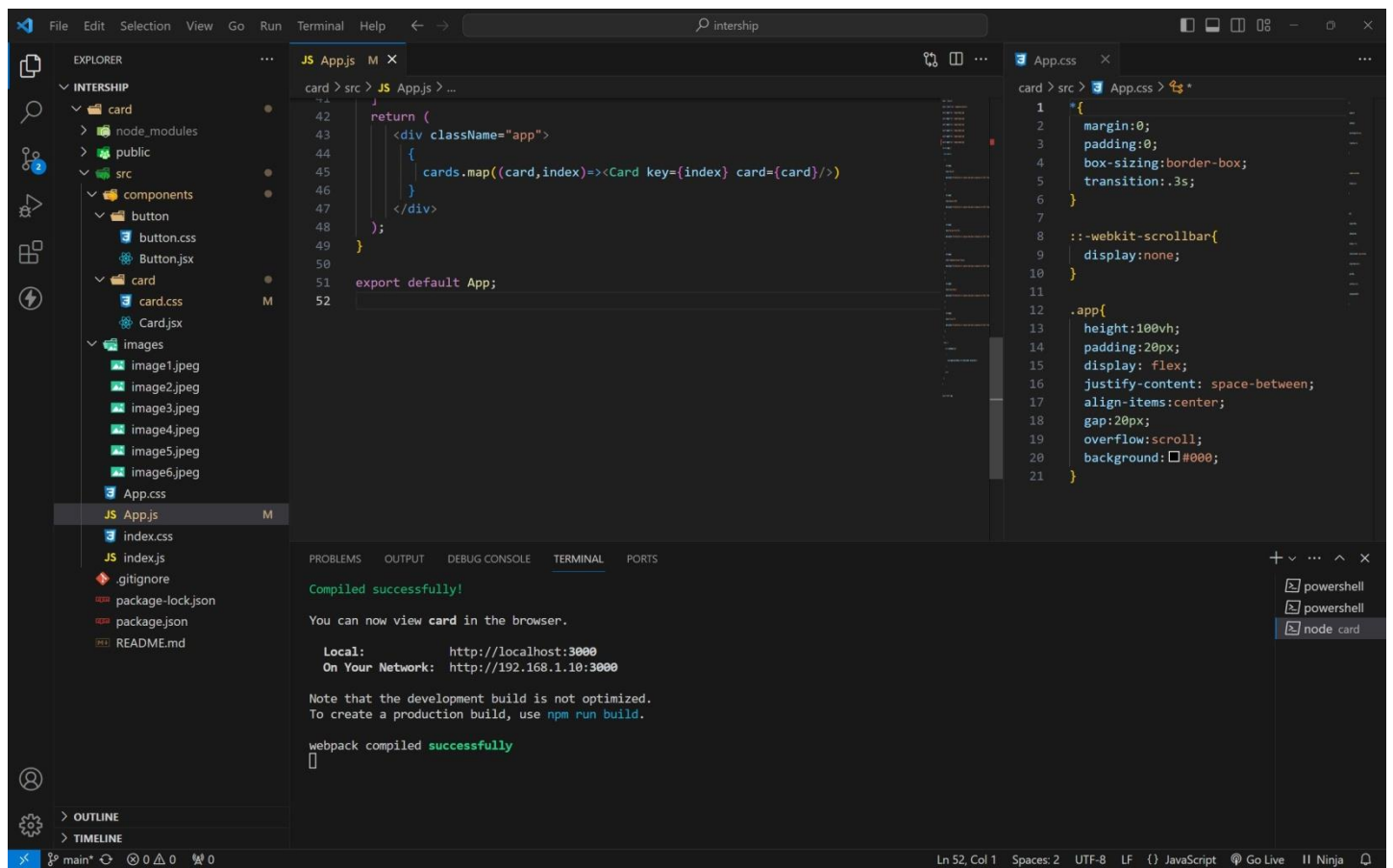
```
1
2
3 border:1px solid #000;
4 border-radius: 10px;
5 flex-shrink: 0;
6 flex-grow: 0;
7 background-color: #fff;
8 width:300px;
9 height:250px;
10 display: flex;
11 flex-direction: column;
12 align-items: center;
13
14
15 .card.show{
16   height:340px;
17 }
18 .card .image{
19   border-radius: 6px;
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 :



## 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"
  },
]
```

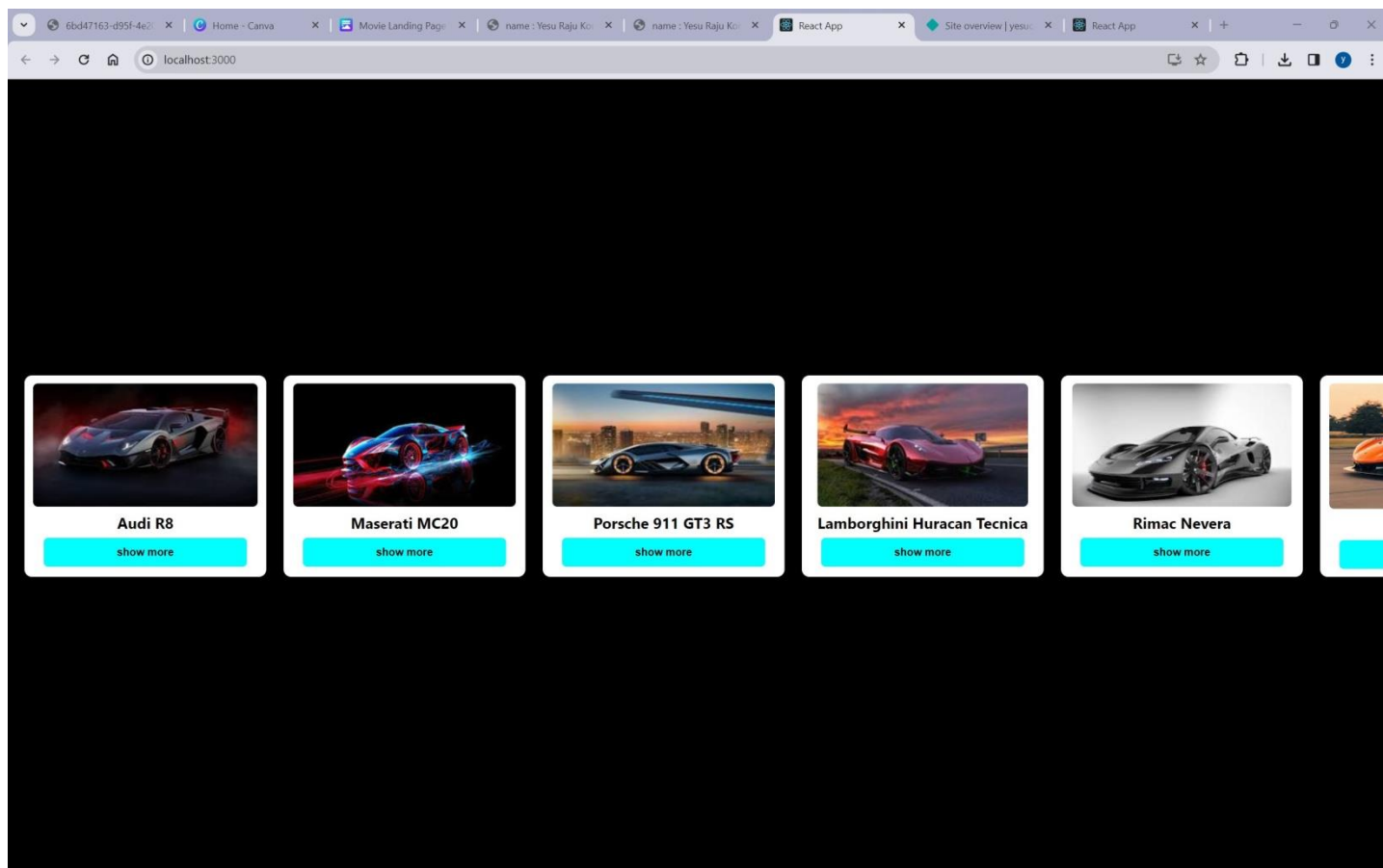
**2 . Passing this card array to child (card component) of App component by using props;**

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

**4 . in card component i use one state [show, setShow] to get extra info as description.**

**5 . When we click the button then show becomes true by assigning setShow (!show) .**

**OUTPUT :**



## AFTER BUTTON CLICKS :

