

REACT.JS COMPONENT CREATION

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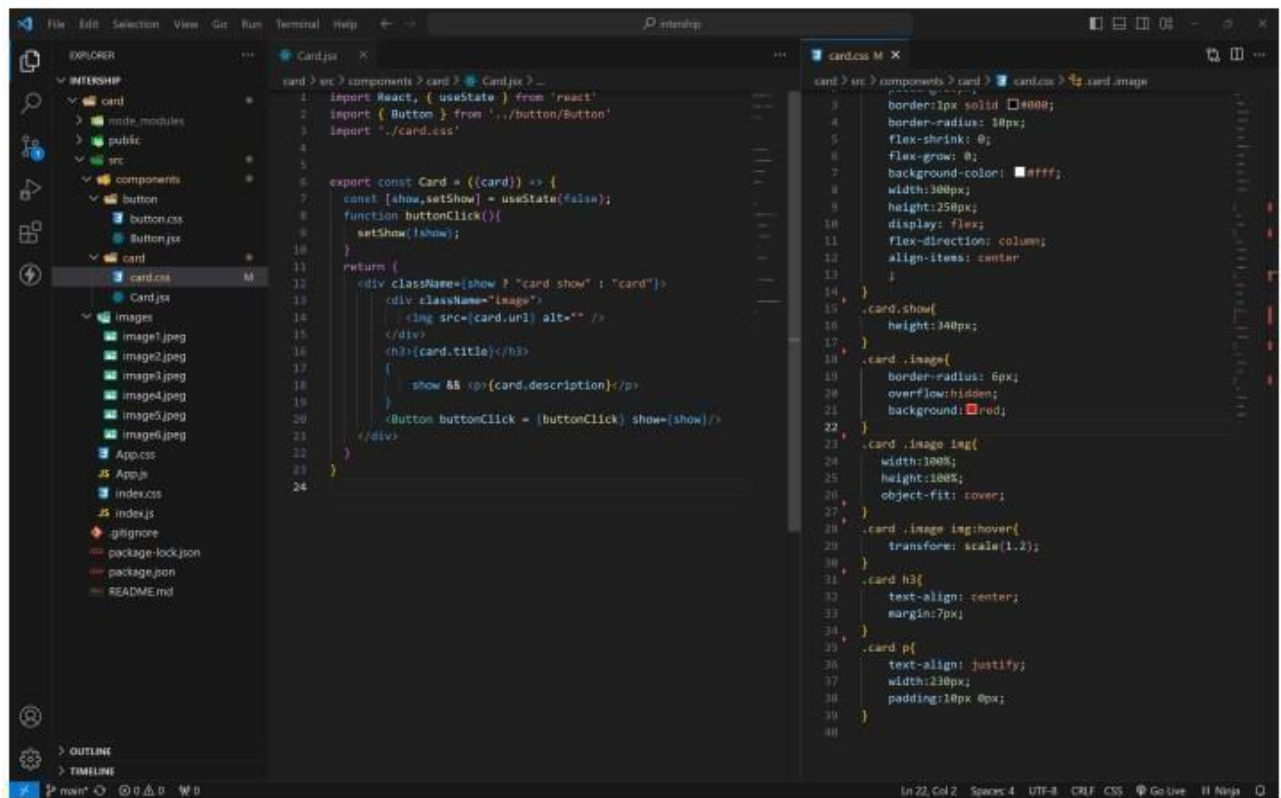
PHONE NO:- 9182078256

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COLLEGE NAME:- RAMACHANDRA COLLEGE OF ENGINEERING,ELURU

source code :

CARD COMPONENT :

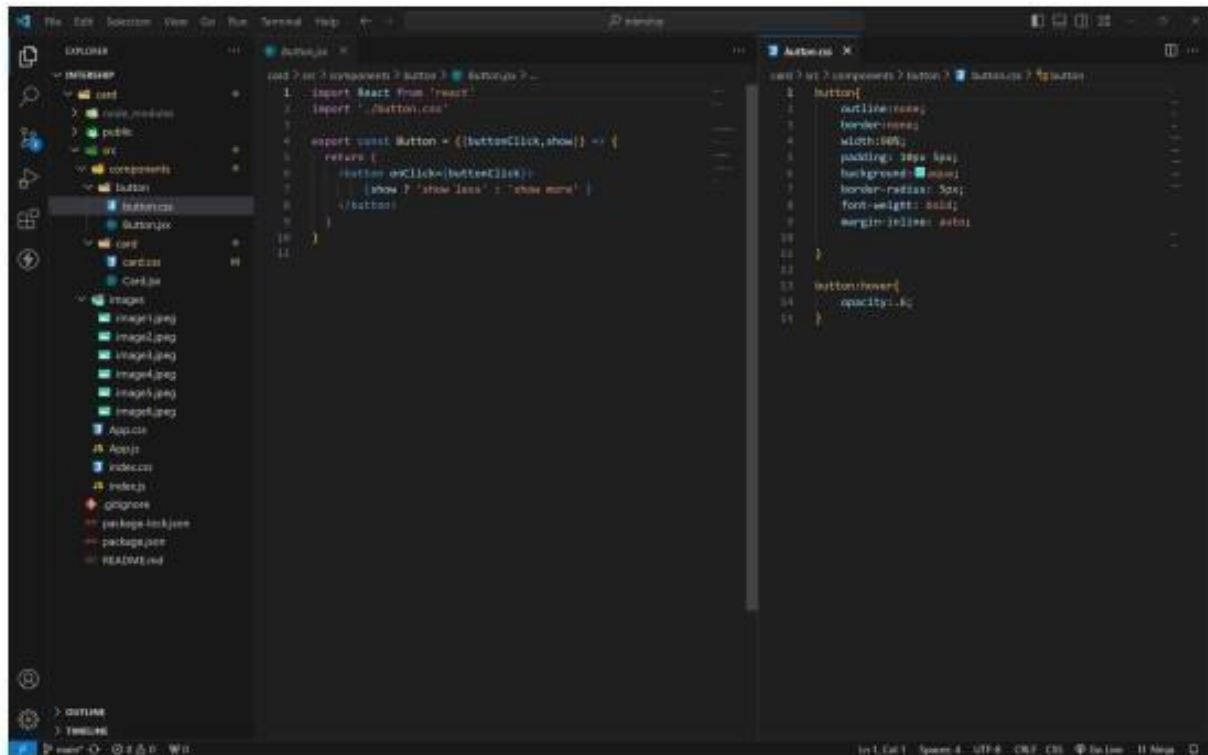


The screenshot shows a Visual Studio Code editor with two files open. The left file is `Card.js` and the right file is `card.css`.

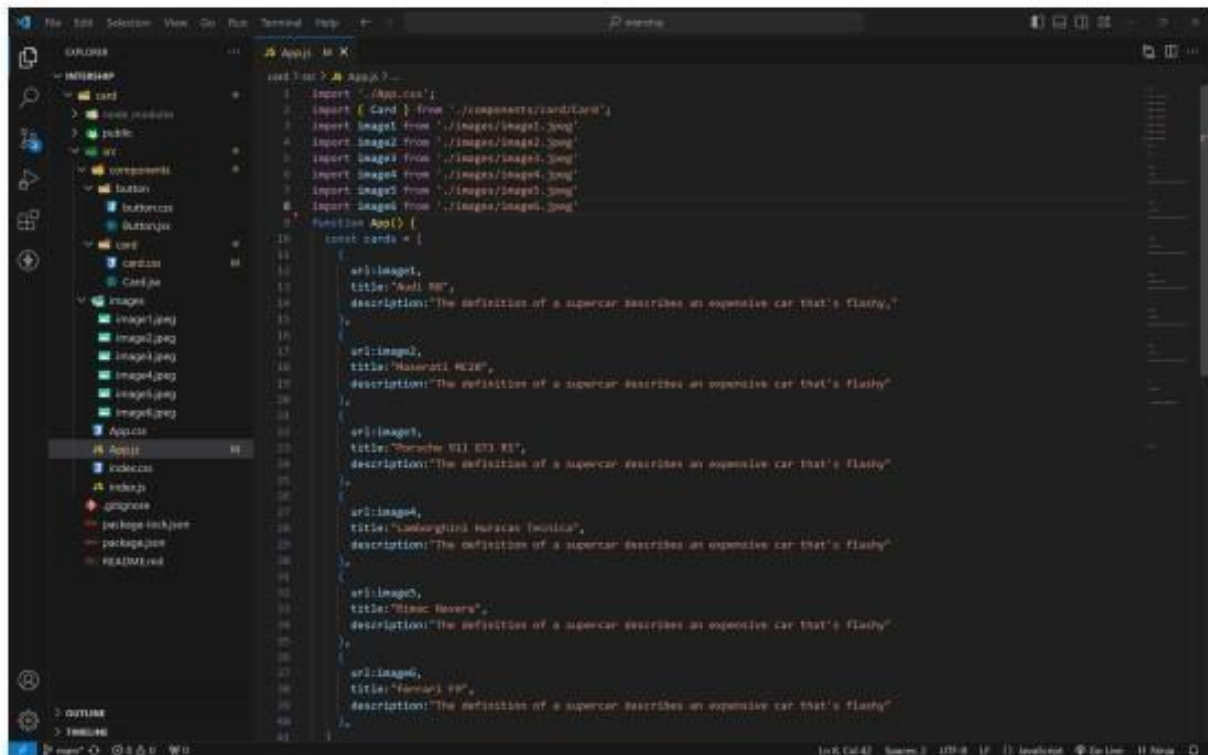
```
Card.js
1 import React, { useState } from 'react'
2 import { Button } from '../button/Button'
3 import './card.css'
4
5 export const Card = ({card}) => {
6   const [show, setShow] = useState(false);
7   function handleClick() {
8     setShow(!show);
9   }
10
11   return (
12     <div className={show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

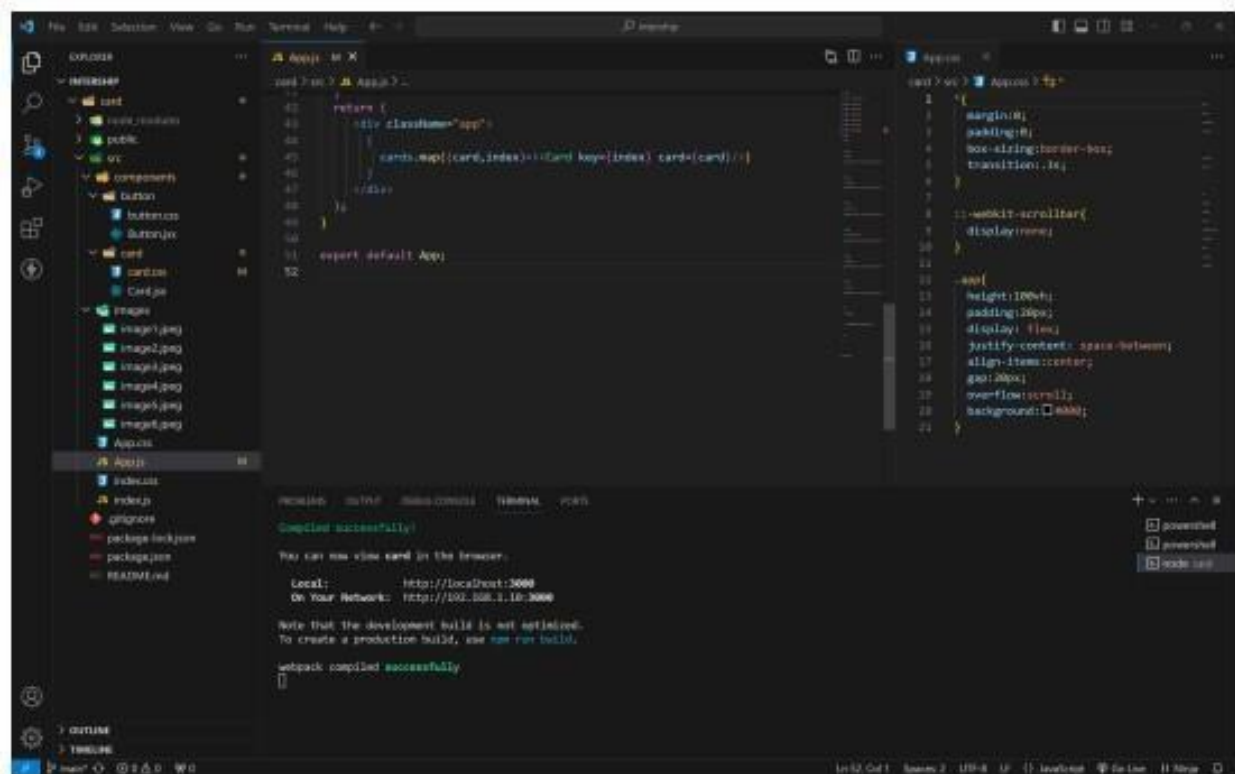
```
card.css
1
2
3 border:1px solid #000;
4 border-radius: 10px;
5 flex-shrink: 0;
6 flex-grow: 0;
7 background-color: #fff;
8 width:300px;
9 height:150px;
10 display: flex;
11 flex-direction: column;
12 align-items: center;
13
14
15 .card.show{
16   height:140px;
17 }
18 .card .image{
19   border-radius: 6px;
20 overflow:hidden;
21 background: #f0f0f0;
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 :





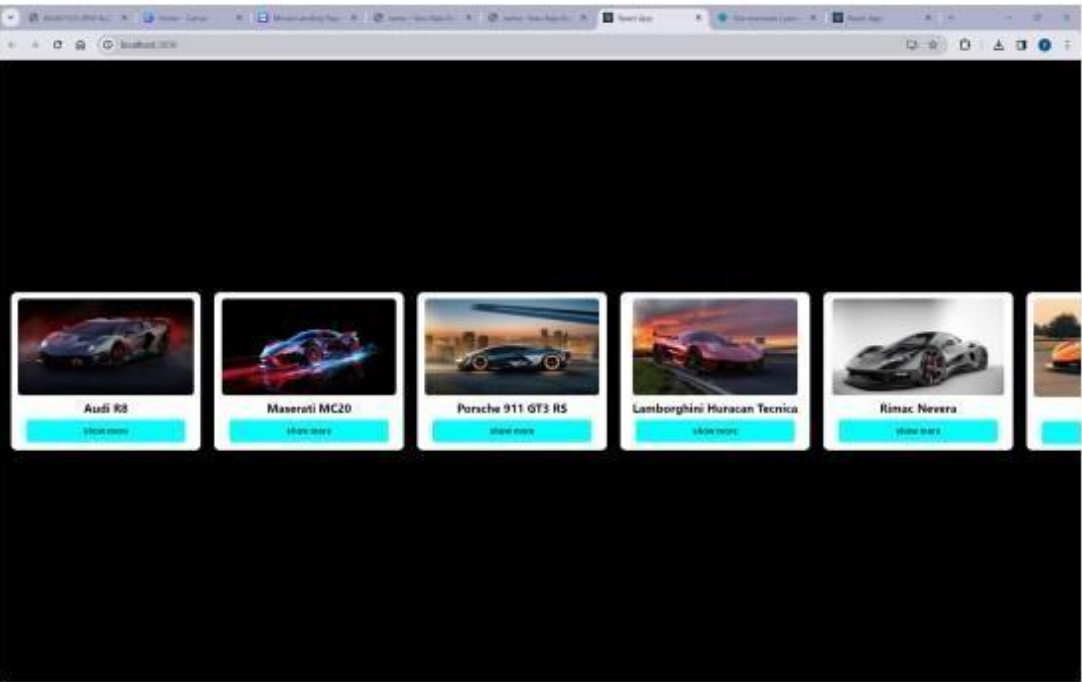
approach :

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 :

