

# React.js Component Creation

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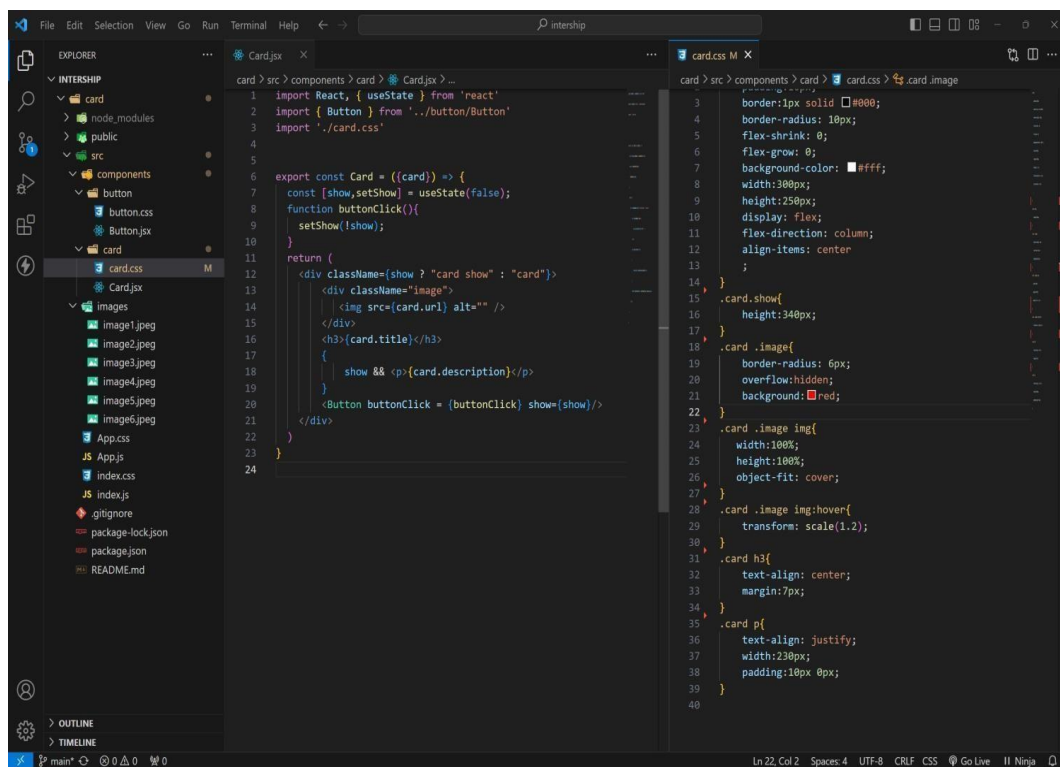
Roll NO: 20NN1A05F5

College Name: Vignan's Nirula Institute of Technology and Science For women University:

JNTUK

Source code:

**CARD COMPONENT:**

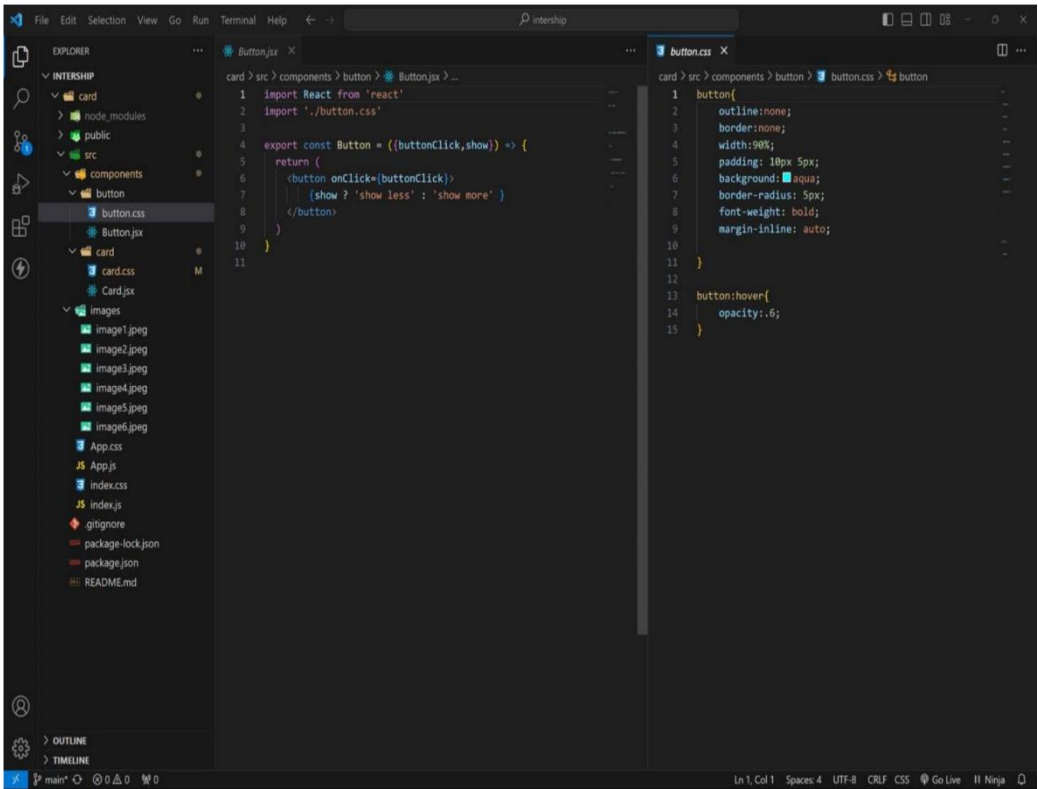


The screenshot displays a VS Code editor with a dark theme. The Explorer panel on the left shows a project structure with folders like 'card', 'components', and 'images'. The main editor area is split into two panes. The left pane shows the 'Card.jsx' file, which is a functional component using React hooks. It imports 'React', 'useState', and 'Button'. The component uses a state variable 'show' to toggle the visibility of the card content. The right pane shows the 'card.css' file, which contains CSS rules for styling the card, including border, padding, and background color. The status bar at the bottom indicates the current file is 'card.css' at line 22, column 2.

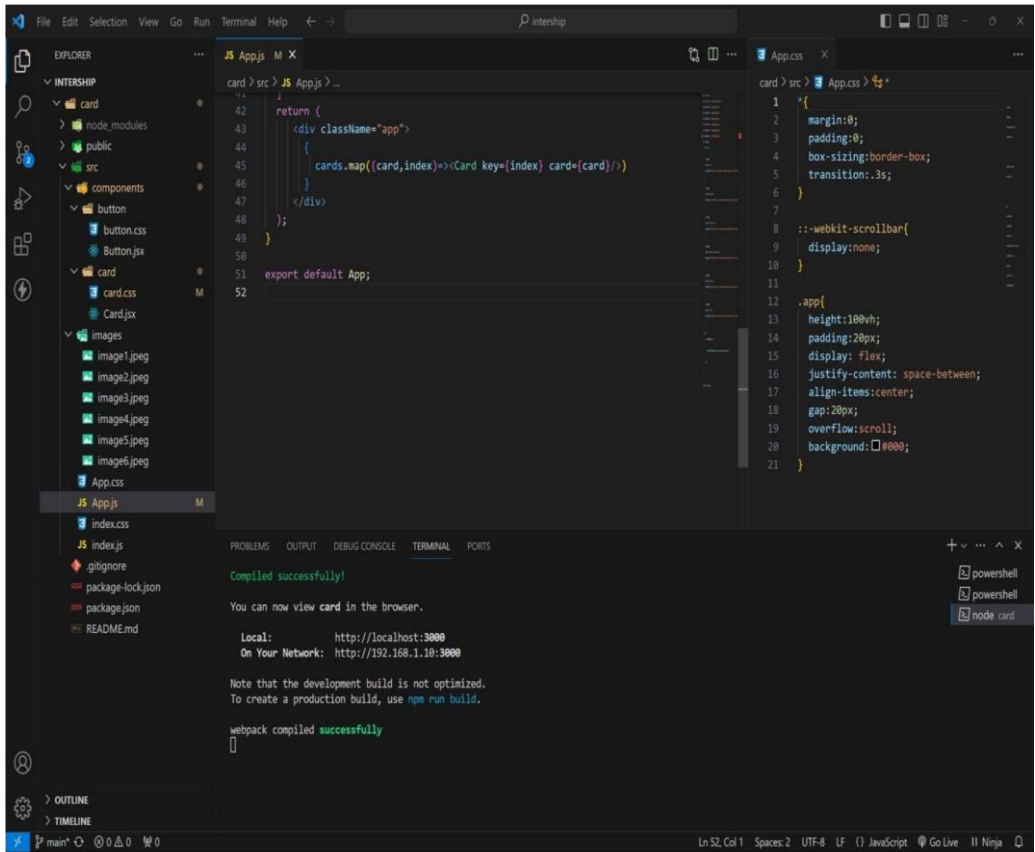
```
1 import React, { useState } from 'react'
2 import { Button } from '../button/Button'
3 import './card.css'
4
5
6 export const Card = ({card}) => {
7   const [show, setShow] = useState(false);
8   function handleClick(){
9     setShow(!show);
10  }
11  return (
12    <div className={show ? "card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

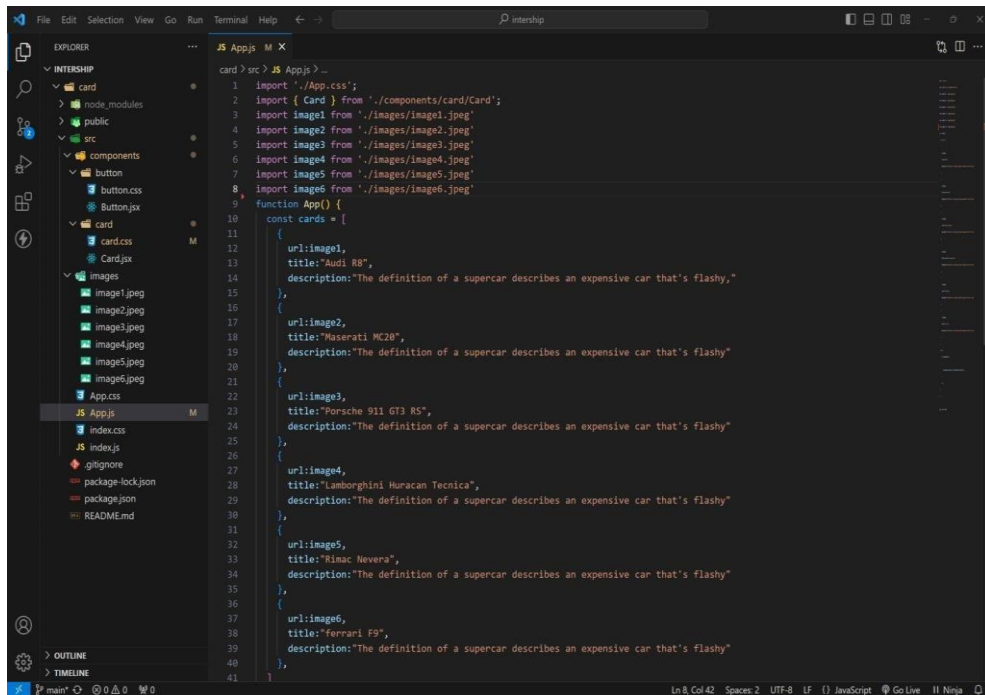
```
3 border:1px solid #000;
4 border-radius: 10px;
5 flex-shrink: 0;
6 flex-grow: 0;
7 background-color: #fff;
8 width:300px;
9 height:250px;
10 display: flex;
11 flex-direction: column;
12 align-items: center;
13 ;
14
15 .card.show{
16   height:340px;
17 }
18 .card .image{
19   border-radius: 6px;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





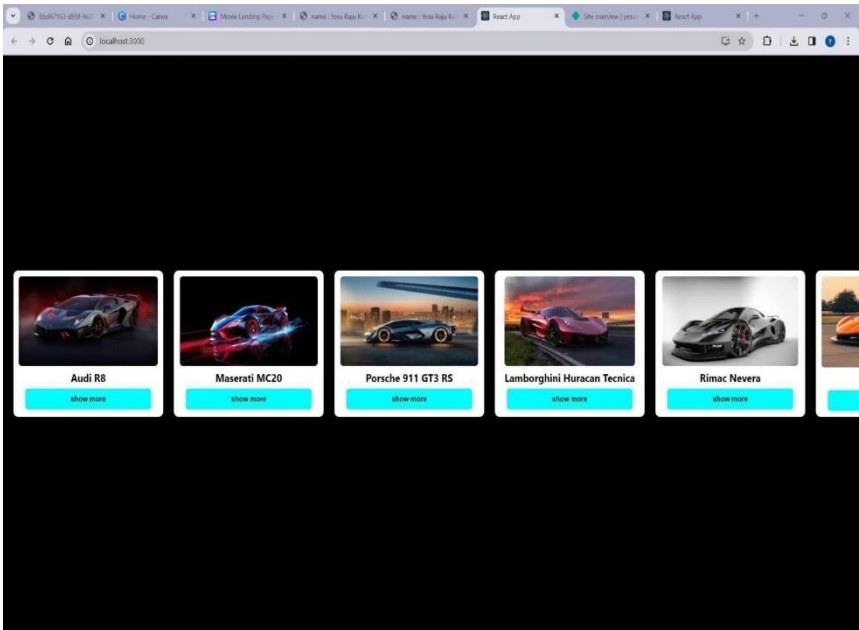
approach:

## 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"  
  },  
]
```

- 1 . Passing this card array to child (card component) of App component by using props.
- 2 . getting data as argument like {card} in card component.
- 3 . in card component i use one state [show, set Show] to get extra info as description.
- 4 . When we click the button then show becomes true by assigning set Show (! show).

OUTPUT:



AFTER BUTTON CLICKS :

