

React.js Component Creation

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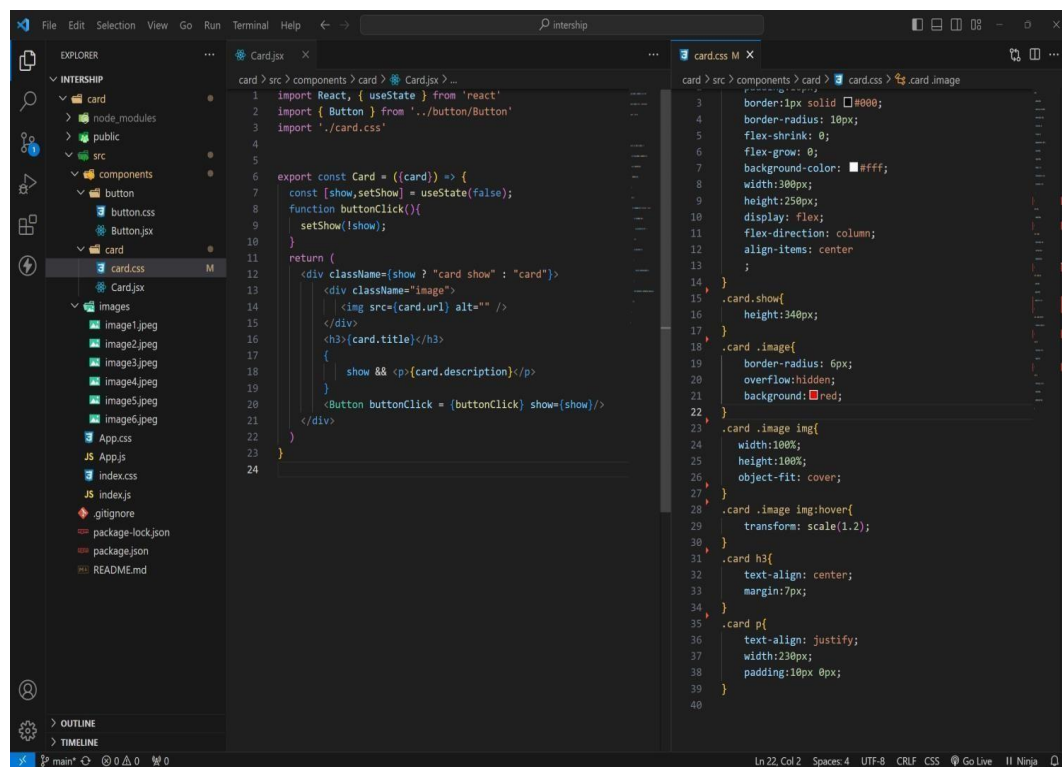
Roll NO: 20NN1A05G6

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

JNTUK

Source code:

CARD COMPONENT:

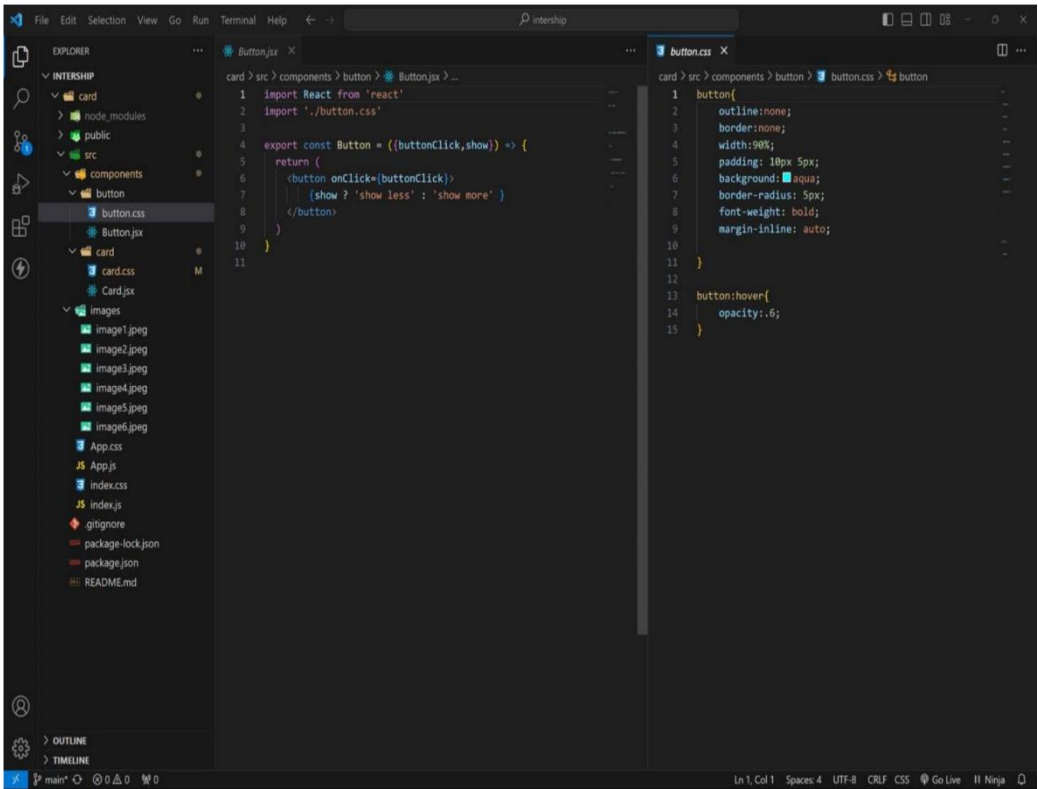


The screenshot displays the Visual Studio Code editor interface with two files open: Card.js and card.css. The Explorer sidebar on the left shows a project structure for an 'INTERSHIP' project, including folders for 'card', 'button', and 'images', and files like 'App.js', 'index.css', and 'package-lock.json'. The Card.js file (line 1-24) is a React component using useState to manage a 'show' state. It renders a card with a title, description, and a toggle button. The card.css file (line 3-40) defines the styling for the card, including a dark background, white text, and a red toggle button. The status bar at the bottom indicates the current file is 'card.css' at line 22, column 2, with a UTF-8 encoding and CRLF line endings.

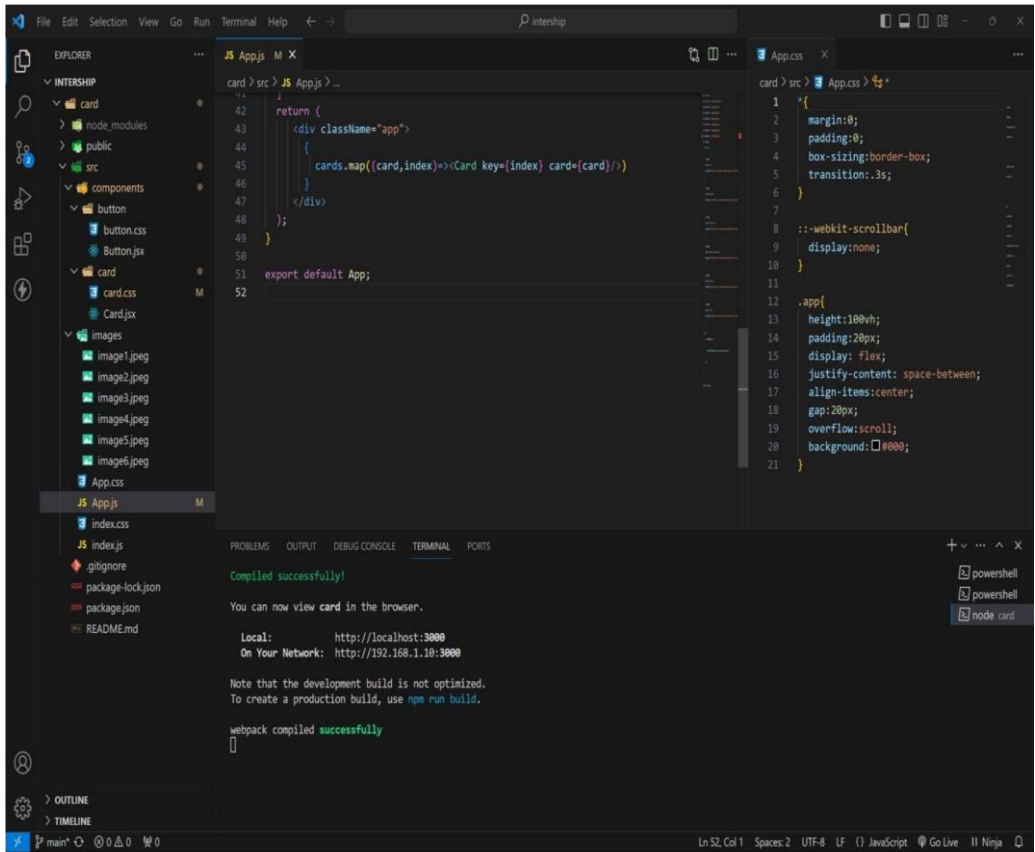
```
1 import React, { useState } from 'react'
2 import { Button } from '../button/Button'
3 import './card.css'
4
5
6 export const Card = ({card}) => {
7   const [show, setShow] = useState(false);
8   function handleClick(){
9     setShow(!show);
10  }
11  return (
12    <div className={show ? "card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

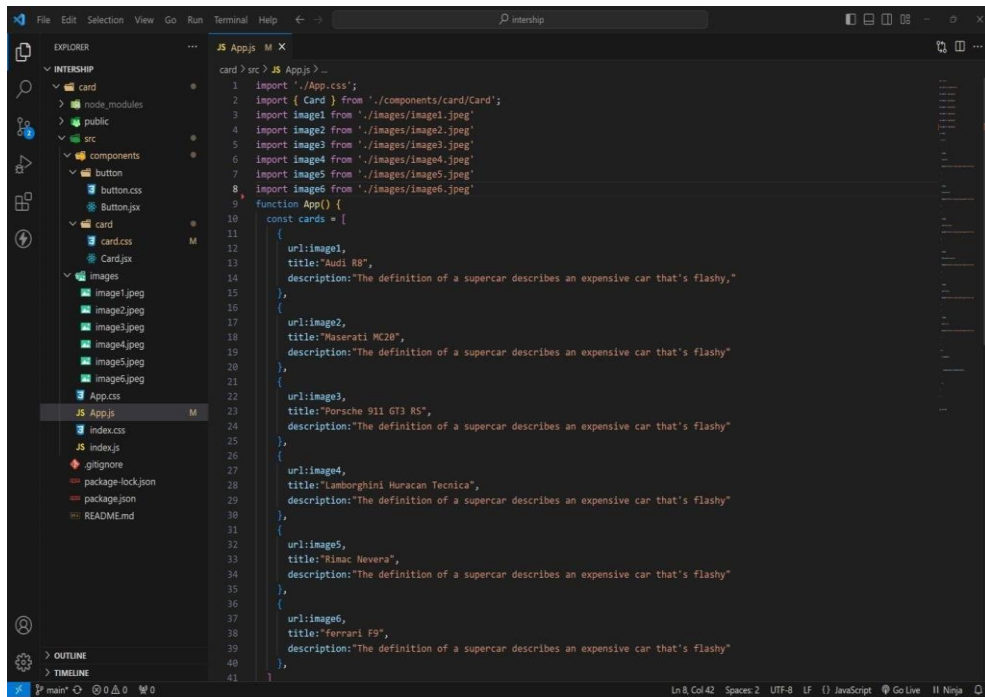
```
3 border:1px solid #000;
4 border-radius: 10px;
5 flex-shrink: 0;
6 flex-grow: 0;
7 background-color: #fff;
8 width:300px;
9 height:250px;
10 display: flex;
11 flex-direction: column;
12 align-items: center;
13 ;
14
15 .card.show{
16   height:340px;
17 }
18 .card .image{
19   border-radius: 6px;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





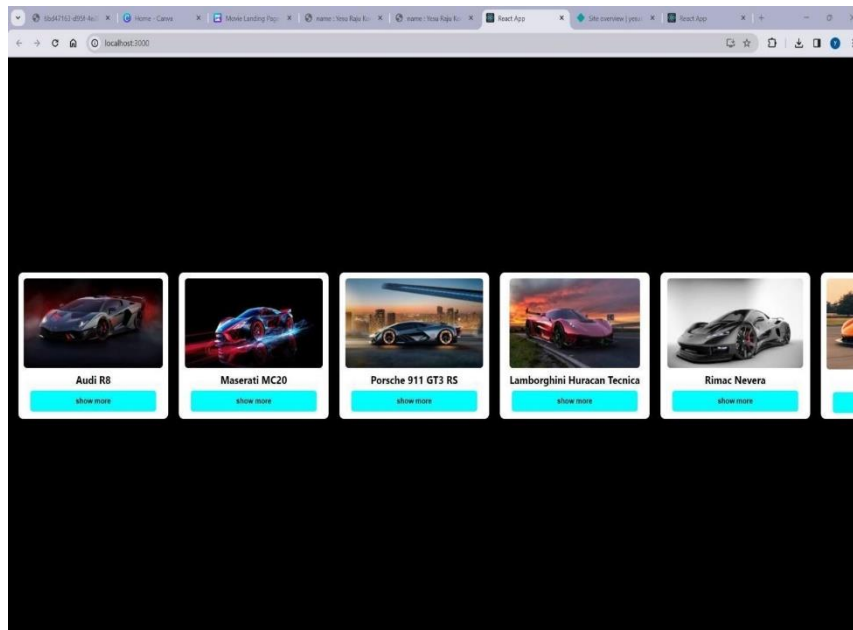
approach:

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 :

