

React.js Component Creation

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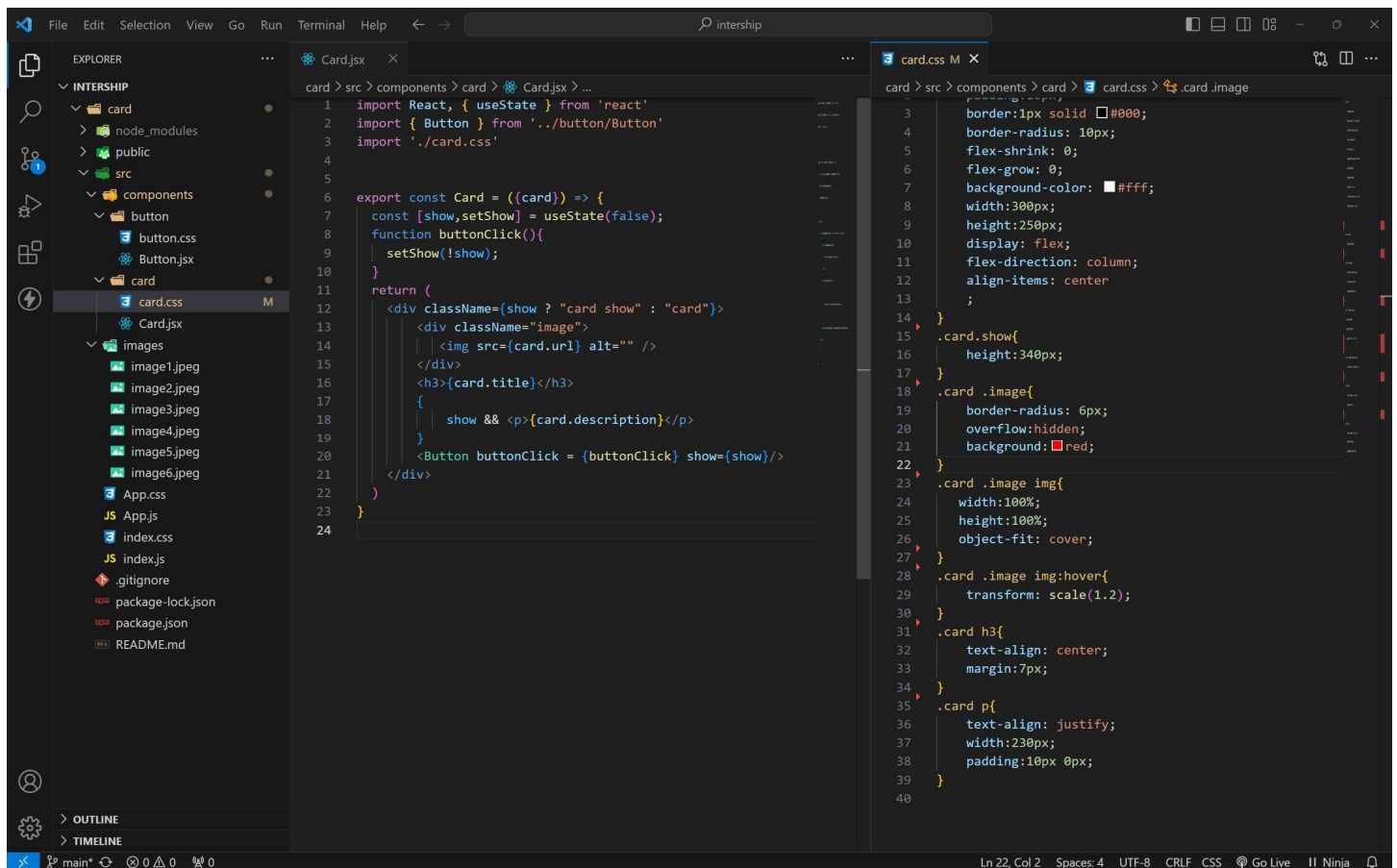
Roll NO: 20NN1A0540.

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

University: JNTUK

source code:

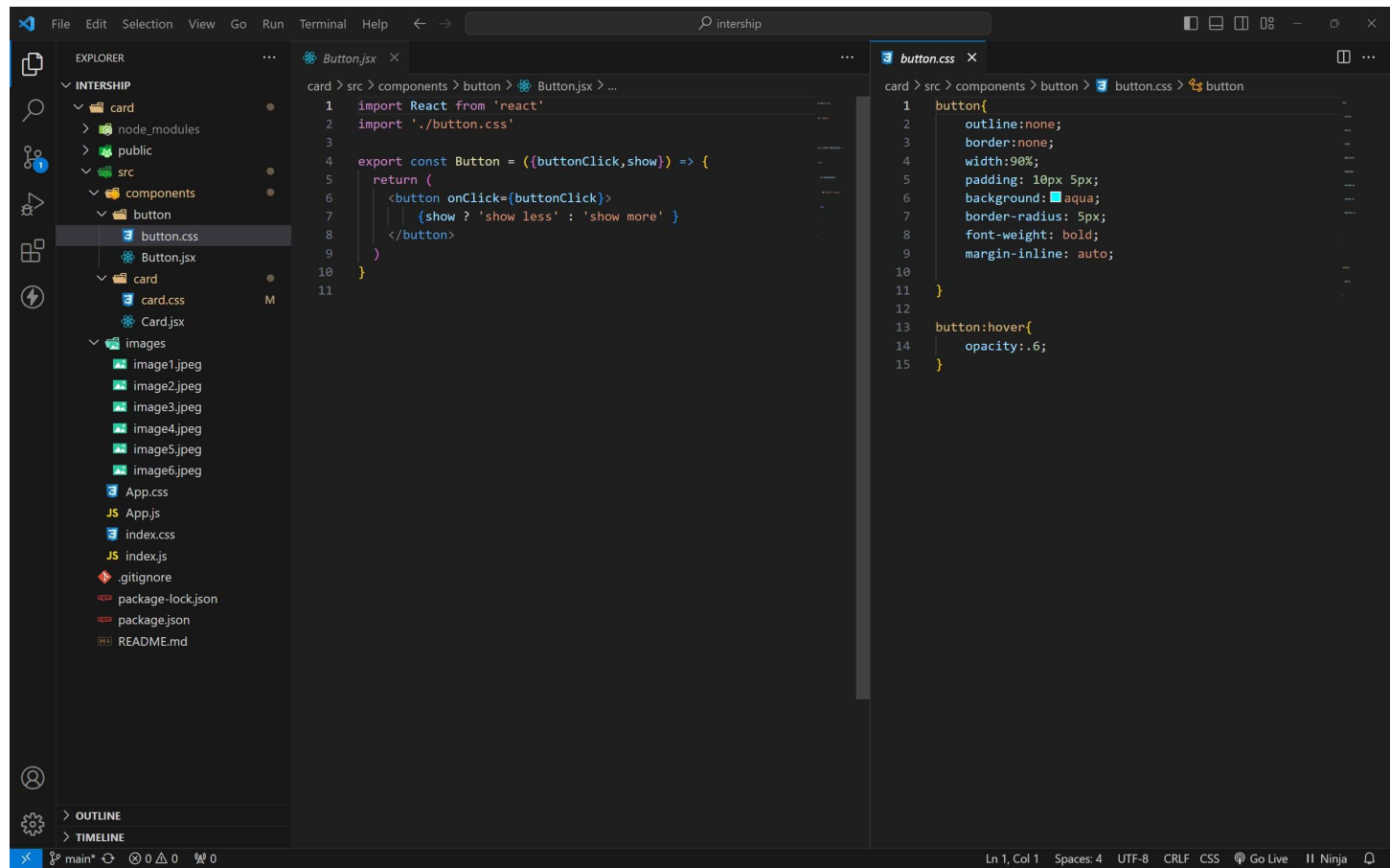
CARD COMPONENT:



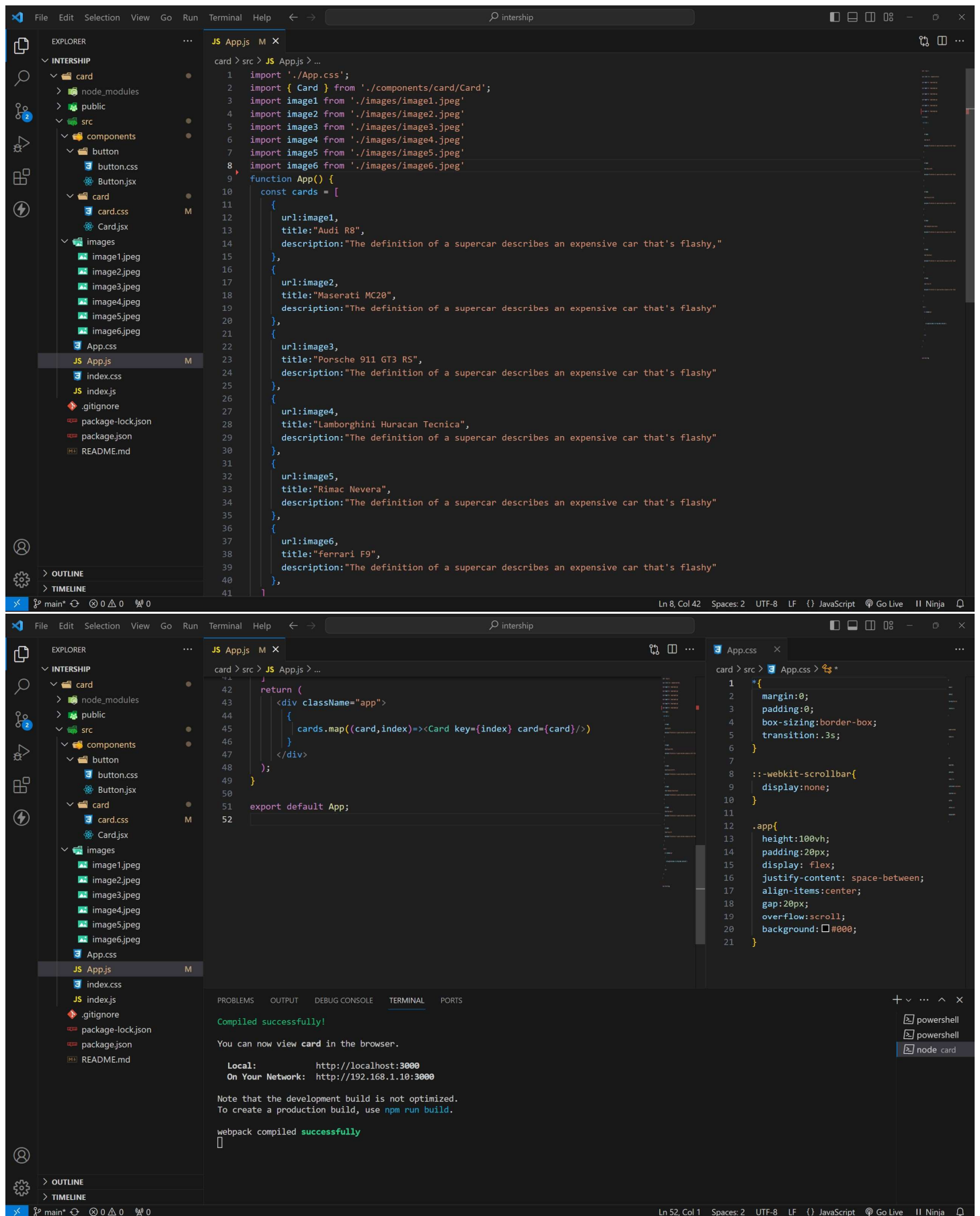
```
card > src > components > card > Card.jsx > ...
1  import React, { useState } from 'react'
2  import { Button } from '../button/Button'
3  import './card.css'
4
5
6  export const Card = ({card}) => {
7    const [show, setShow] = useState(false);
8    function handleClick(){
9      setShow(!show);
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
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:

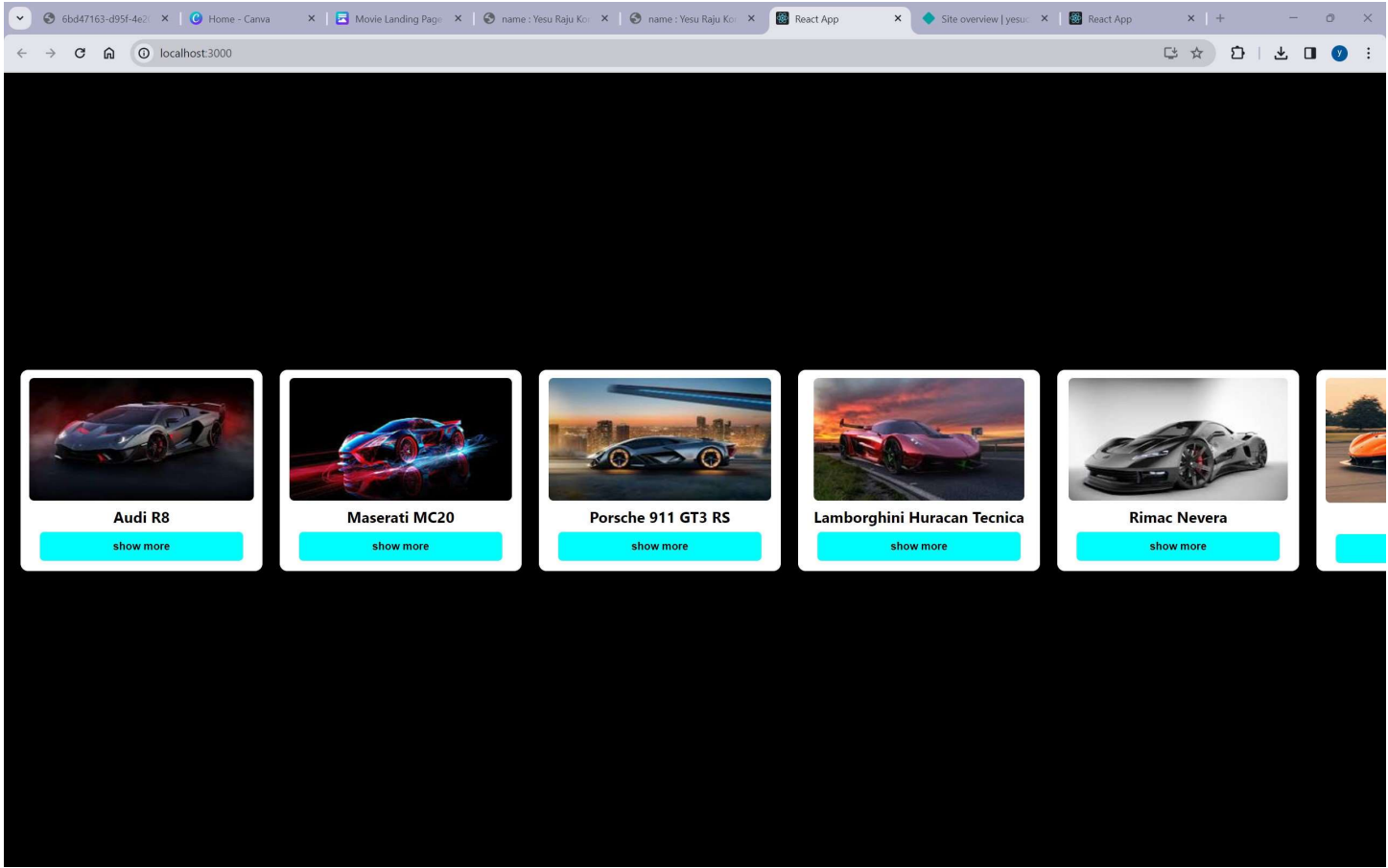
1. initially taking an array of objects like below

```
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 :

