

React.js Component Creation

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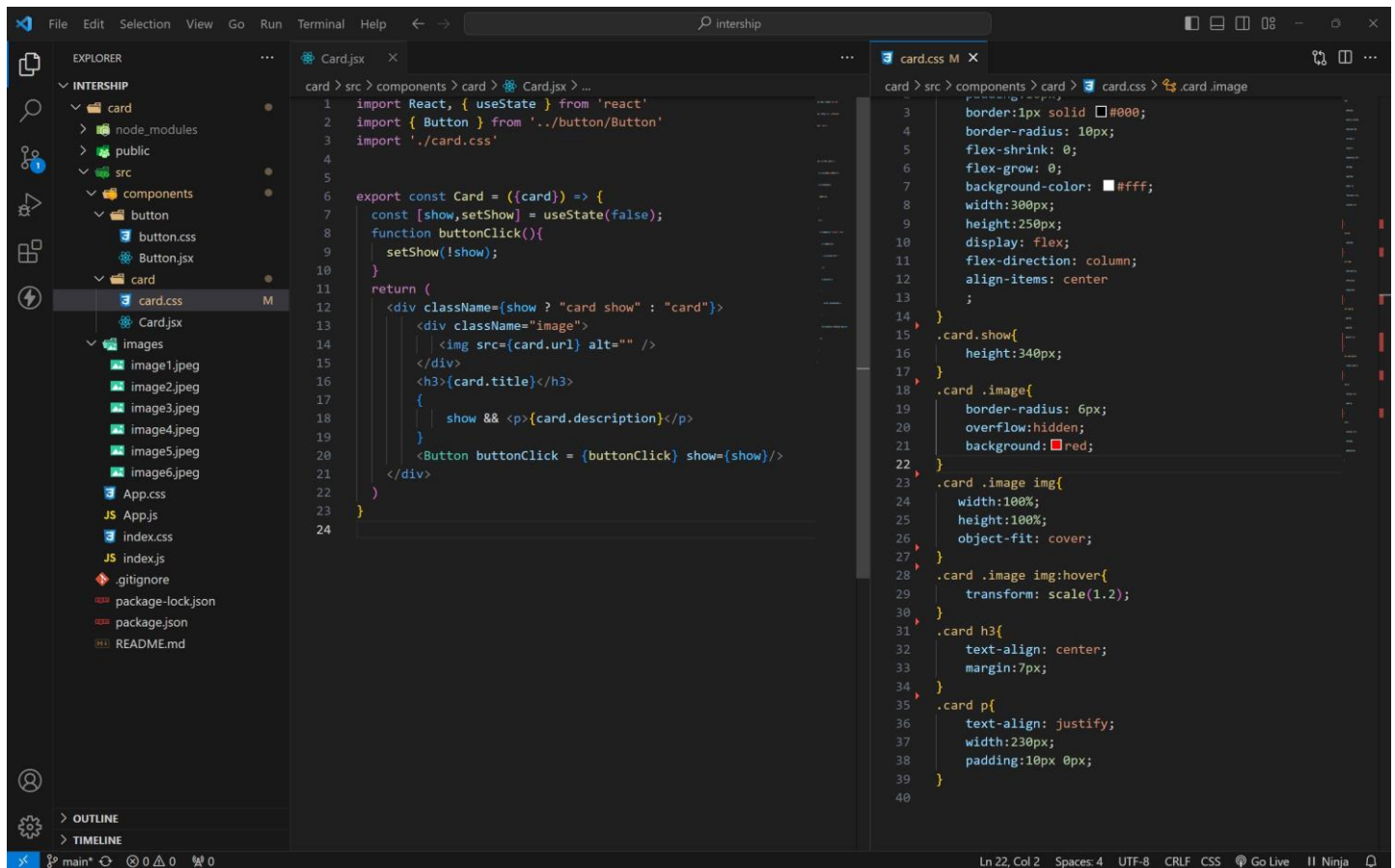
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Collage: Vignan's nirula Institute of technology and science for women.

source code:

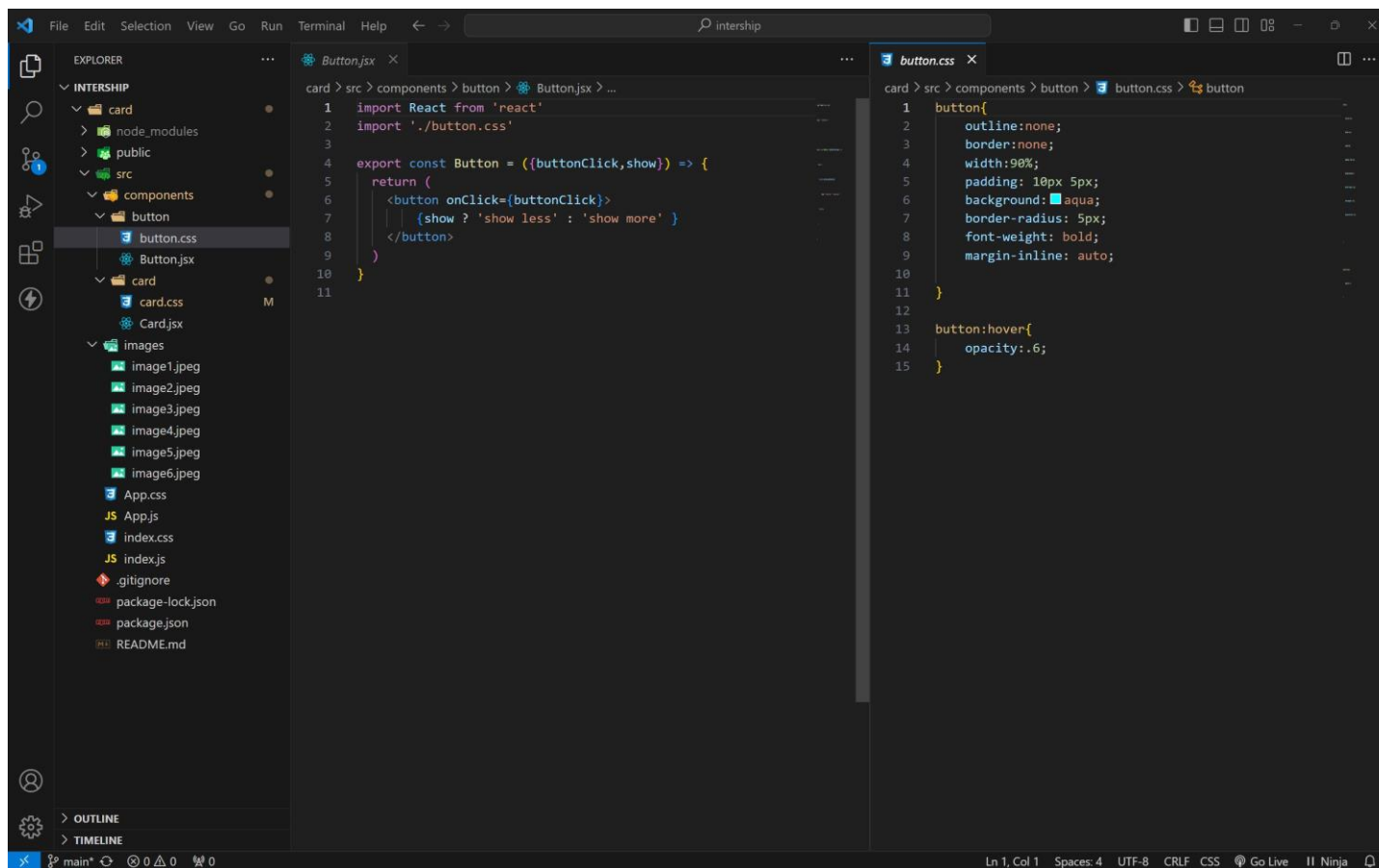
CARD COMPONENT:

A screenshot of the Visual Studio Code editor interface. The Explorer panel on the left shows a project structure with folders like 'node_modules', 'public', 'src', and 'components'. The 'src' folder is expanded, showing 'components' and 'card'. The 'card' folder contains 'card.css', 'Card.js', and 'images'. The main editor area shows two files: 'Card.js' and 'card.css'.

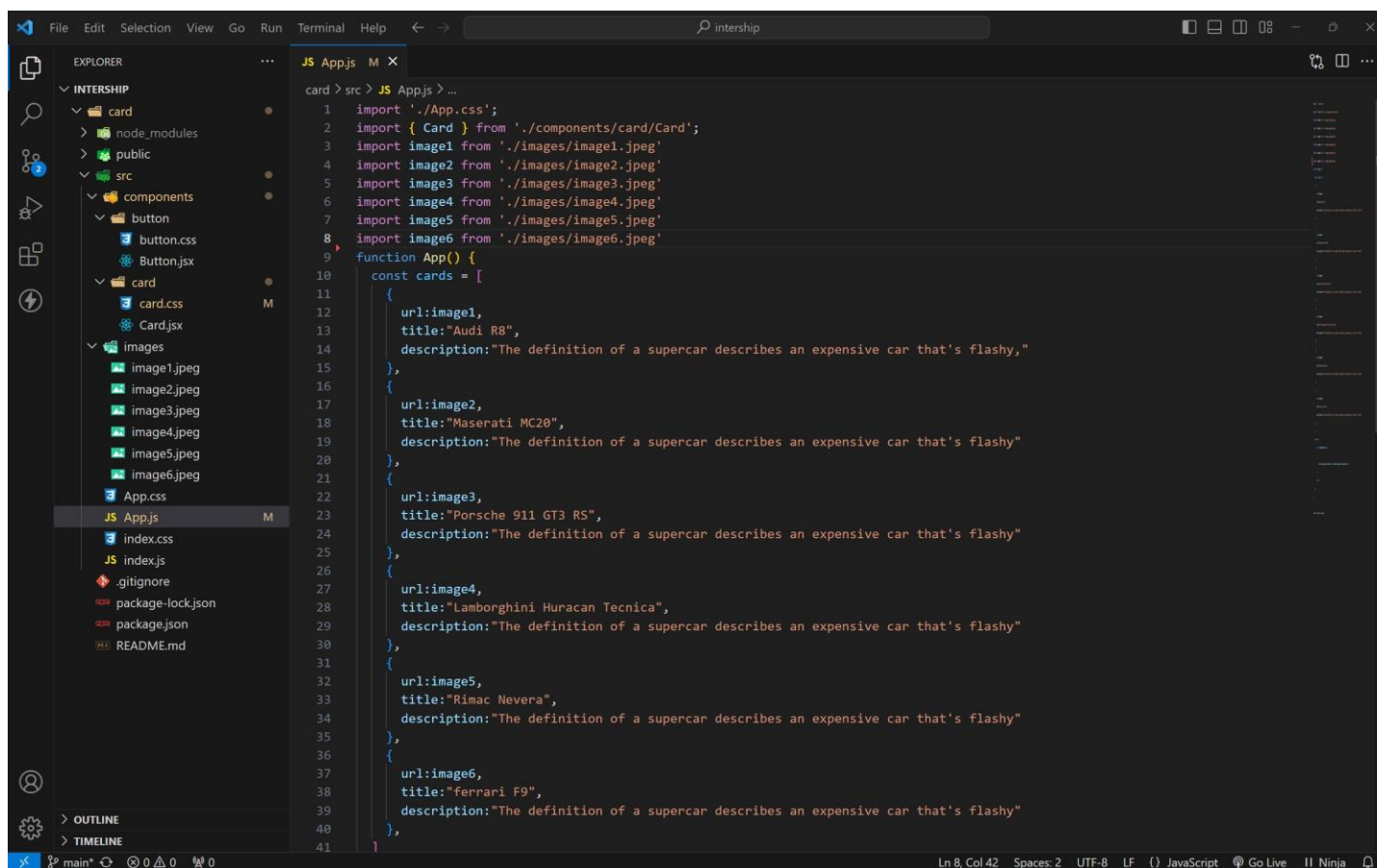
```
Card.js
1 import React, { useState } from 'react'
2 import { Button } from '../button/Button'
3 import './card.css'
4
5
6 export const Card = ({card}) => {
7   const [show, setShow] = useState(false);
8   function handleClick() {
9     setShow(!show);
10  }
11  return (
12    <div className={show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

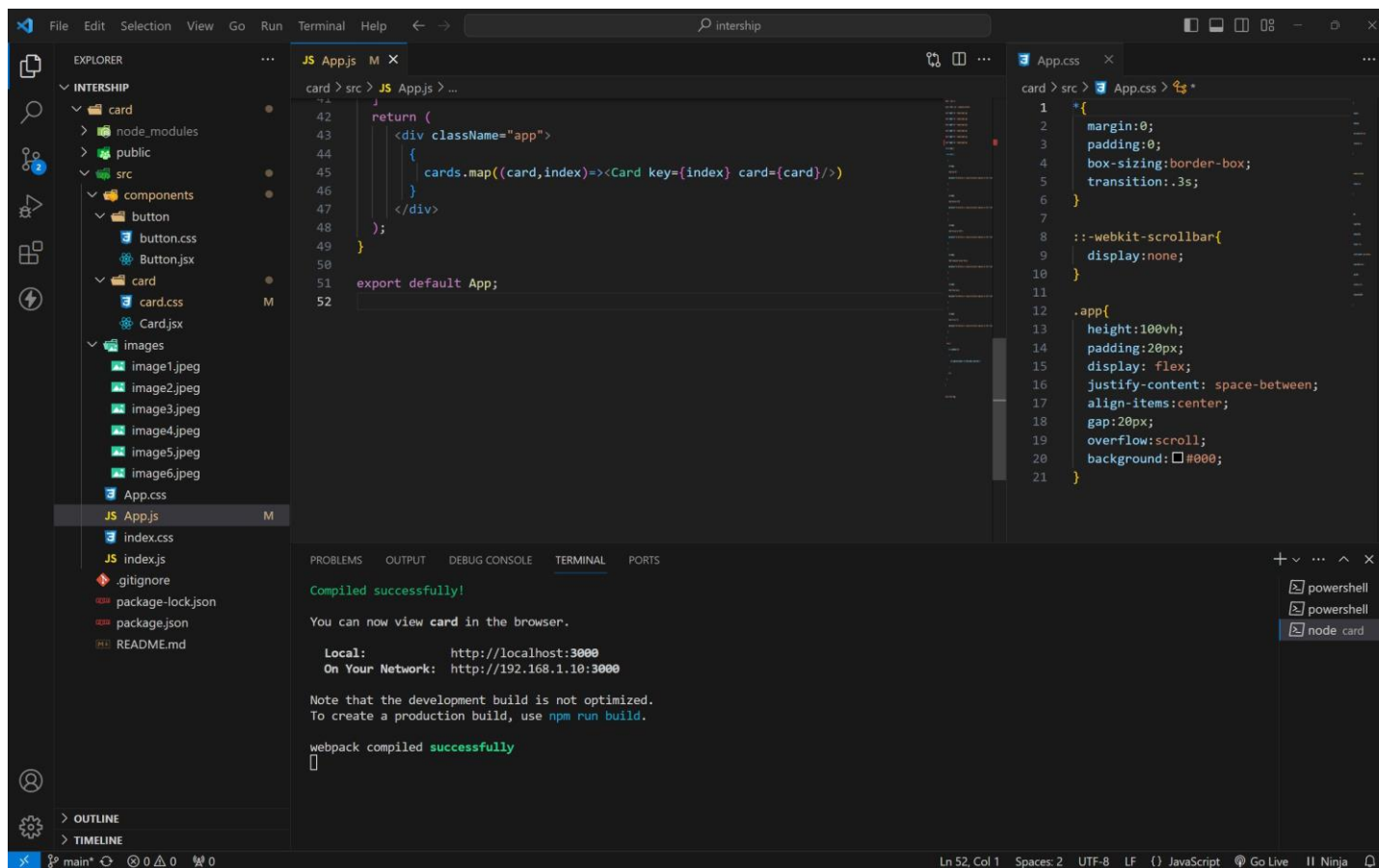
```
card.css
1
2 border:1px solid #000;
3 border-radius: 10px;
4 flex-shrink: 0;
5 flex-grow: 0;
6 background-color: #fff;
7 width:300px;
8 height:250px;
9 display: flex;
10 flex-direction: column;
11 align-items: center;
12 ;
13
14
15 .card.show{
16   height:340px;
17 }
18 .card .image{
19   border-radius: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

