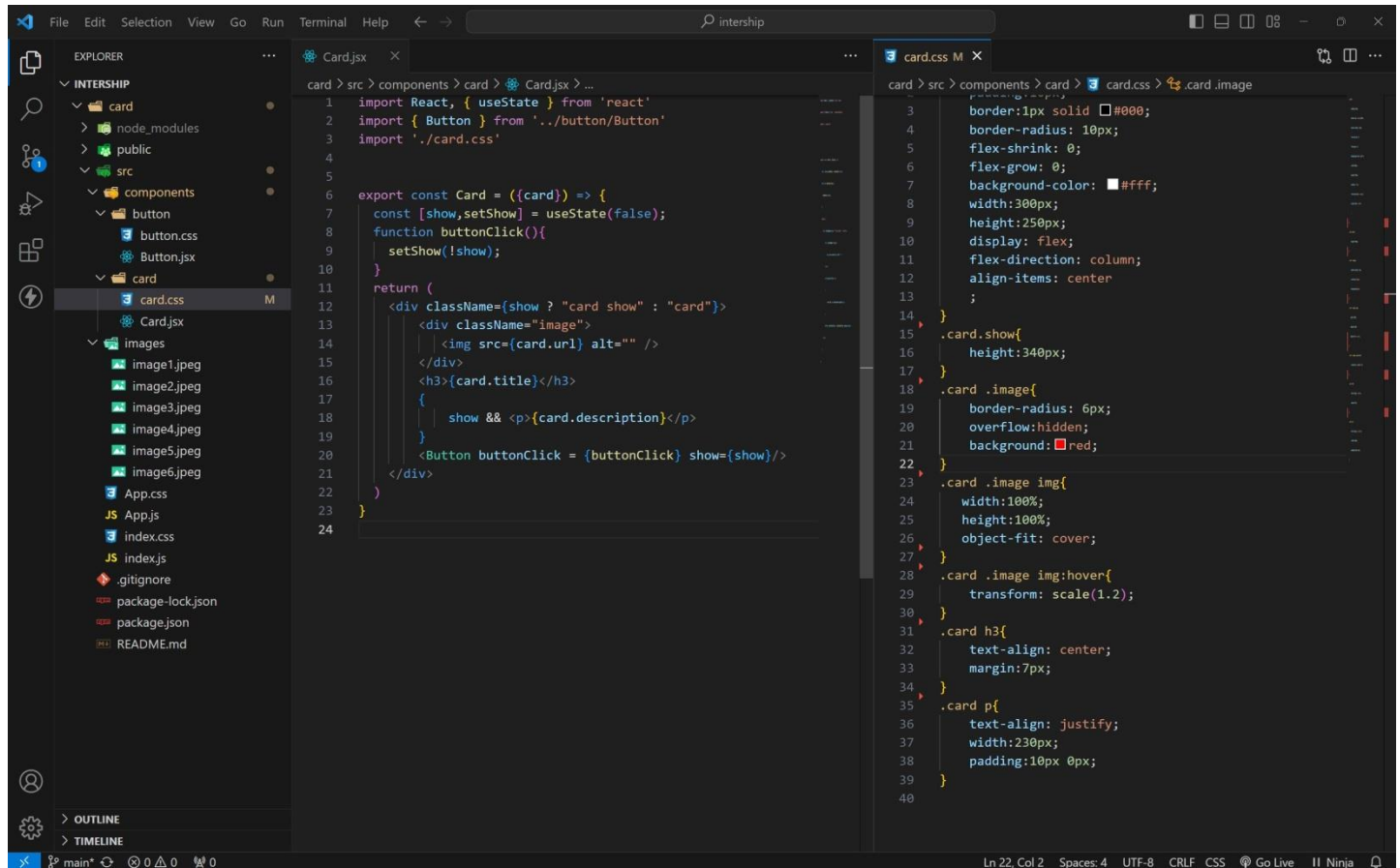


React.js Component Creation

source code :

CARD COMPONENT :



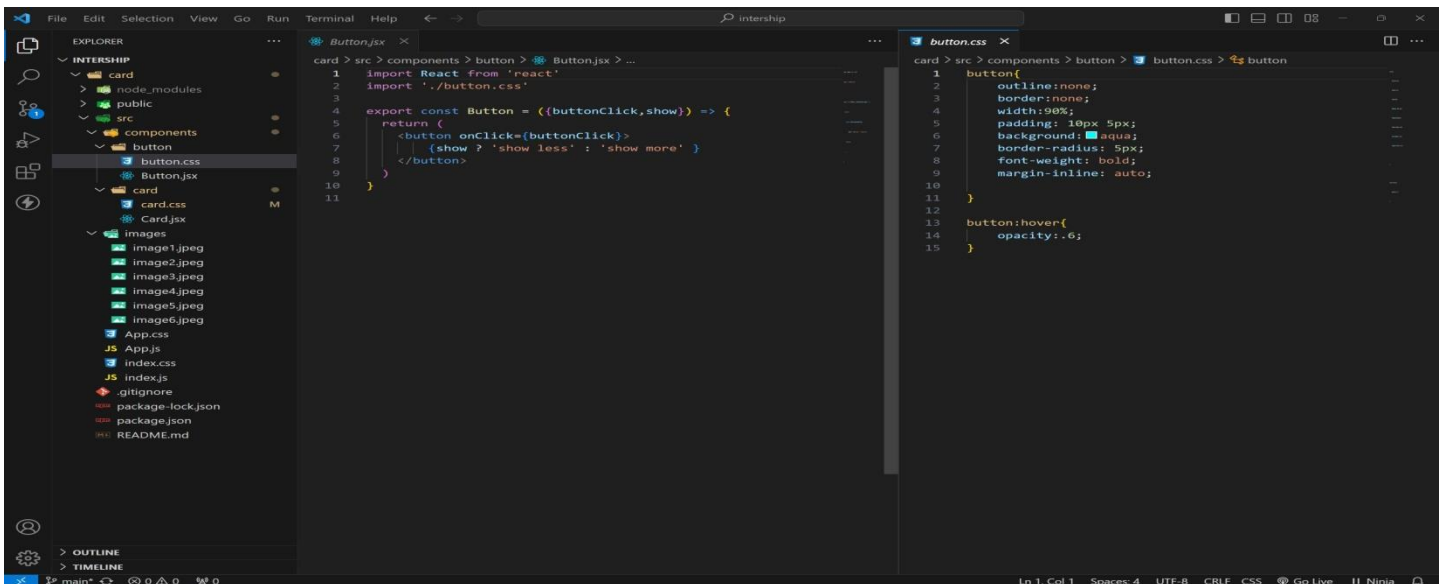
The screenshot shows a VS Code editor with the following files open:

- 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.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: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 :



The screenshot shows a VS Code editor with the following files open:

- Button.jsx**:

```
1 import React from 'react'
2 import './button.css'
3
4 export const Button = ({buttonClick, show}) => {
5   return (
6     <button onClick={buttonClick}>
7       {show ? 'show less' : 'show more'}
8     </button>
9   )
10 }
11
```
- button.css**:

```
1 button{
2   outline:none;
3   border:none;
4   width:90%;
5   padding: 10px 5px;
6   background: #aqua;
7   border-radius: 5px;
8   font-weight: bold;
9   margin-inline: auto;
10 }
11
12
13 button:hover{
14   opacity:.6;
15 }
```

APP COMPONENT :

The screenshot displays the development environment for an application component. The Explorer on the left shows the project structure, including folders like `components`, `images`, and files like `App.js`, `App.css`, and `index.js`. The Editor shows the `App.js` file with the following code:

```
1 import './App.css';
2 import { Card } from './components/card/Card';
3 import image1 from './images/image1.jpeg'
4 import image2 from './images/image2.jpeg'
5 import image3 from './images/image3.jpeg'
6 import image4 from './images/image4.jpeg'
7 import image5 from './images/image5.jpeg'
8 import image6 from './images/image6.jpeg'
9
10 function App() {
11   const cards = [
12     {
13       url:image1,
14       title:"Audi R8",
15       description:"The definition of a supercar describes an expensive car that's flashy,"
16     },
17     {
18       url:image2,
19       title:"Maserati MC20",
20       description:"The definition of a supercar describes an expensive car that's flashy"
21     },
22     {
23       url:image3,
24       title:"Porsche 911 GT3 RS",
25       description:"The definition of a supercar describes an expensive car that's flashy"
26     },
27     {
28       url:image4,
29       title:"Lamborghini Huracan Tecnica",
30       description:"The definition of a supercar describes an expensive car that's flashy"
31     },
32     {
33       url:image5,
34       title:"Rimac Nevera",
35       description:"The definition of a supercar describes an expensive car that's flashy"
36     },
37     {
38       url:image6,
39       title:"ferrari F9",
40       description:"The definition of a supercar describes an expensive car that's flashy"
41     },
42   ],
43   return (
44     <div className="app">
45       {
46         cards.map((card,index)=><Card key={index} card={card}/>)
47       }
48     </div>
49   );
50 }
51
52 export default App;
```

The `App.css` file shows the following styles:

```
1 *{
2   margin:0;
3   padding:0;
4   box-sizing:border-box;
5   transition:.3s;
6 }
7
8 ::-webkit-scrollbar{
9   display:none;
10 }
11
12 .app{
13   height:100vh;
14   padding:20px;
15   display: flex;
16   justify-content: space-between;
17   align-items:center;
18   gap:20px;
19   overflow:scroll;
20   background: #000;
21 }
```

The Terminal shows the command `card > src > JS Appjs > ...` and the output `Compiled successfully!` and `webpack compiled successfully!`. The status bar at the bottom indicates the file is `App.js` at line 52, column 1, with a UTF-8 encoding and LF line endings.

```
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"
  },
]
```

OUTPUT :

