

# React.js Component Creation

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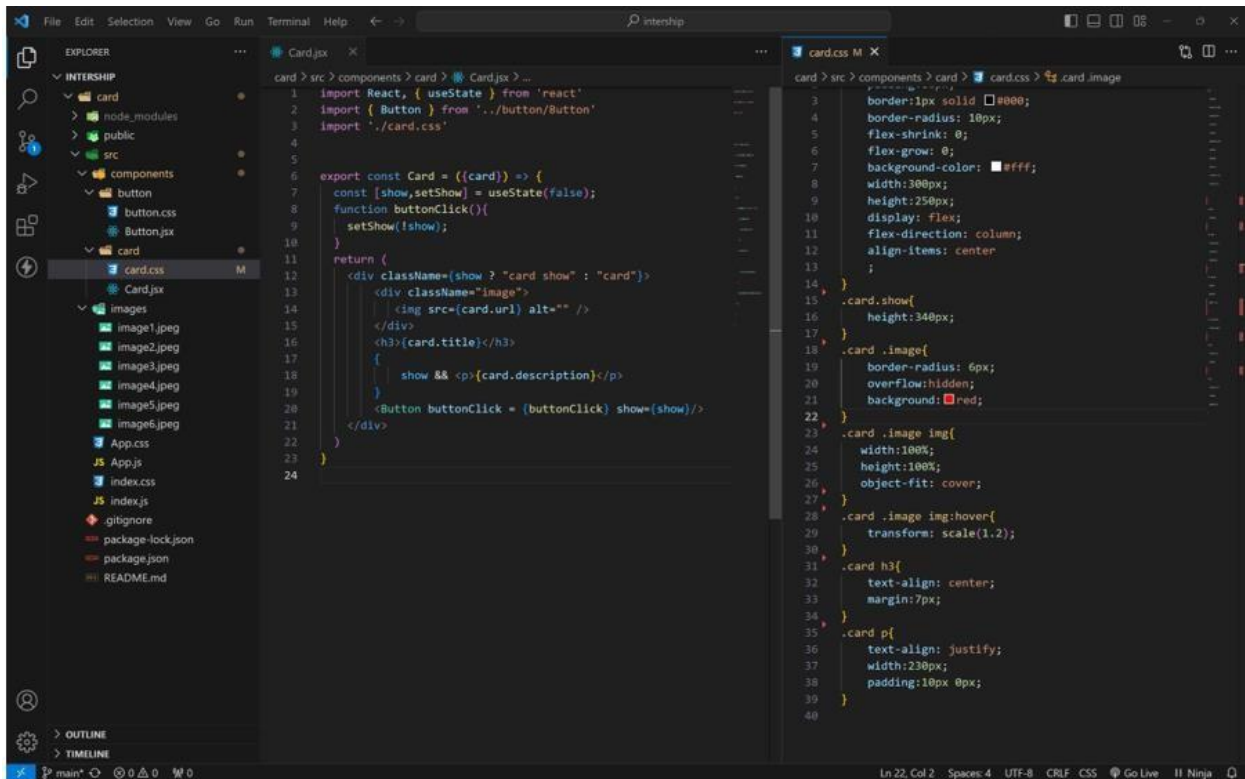
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**COLLEGE :** VARAPRASAD REDDY INSTITUTE OF TECHNOLOGY, KANTEPUDI, GUNTUR.

## Source Code :-

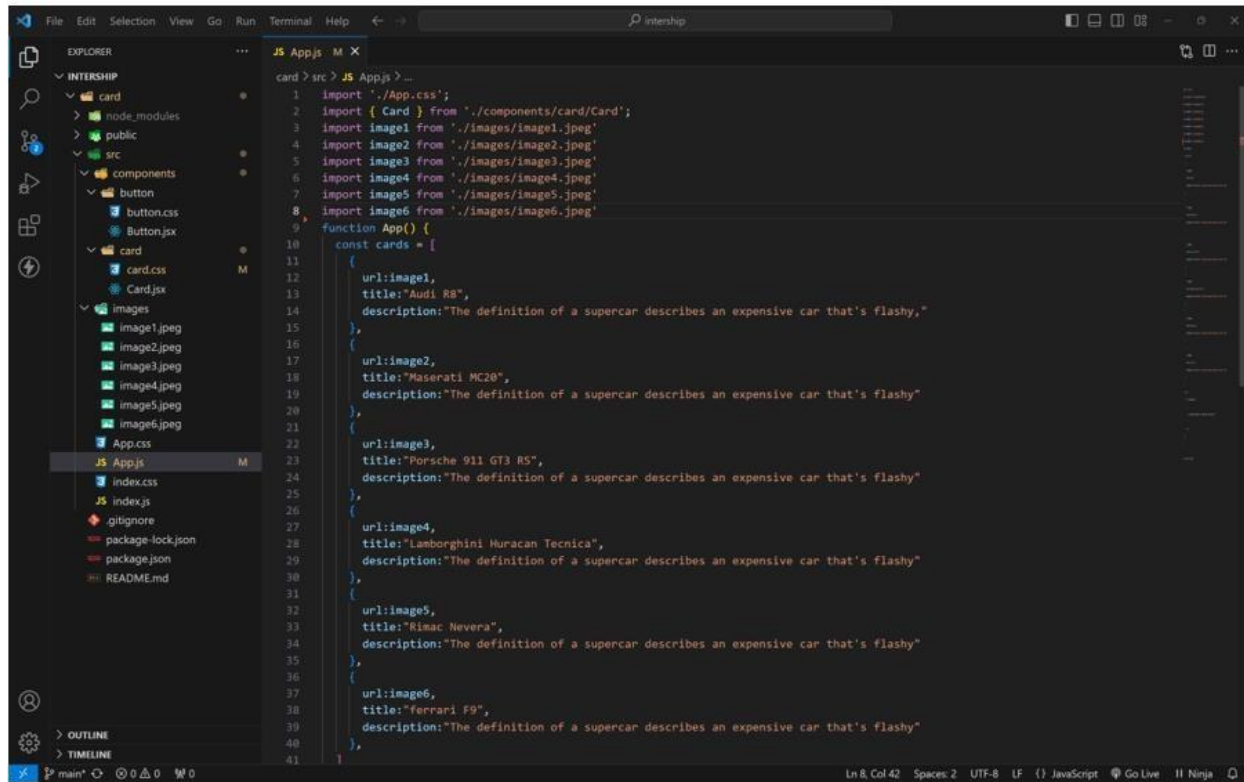
### CARD COMPONENT :



```
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
12  return (
13    <div className={show ? "card show" : "card"}>
14      <div className="image">
15        <img src={card.url} alt="" />
16      </div>
17      <h3>{card.title}</h3>
18      {
19        show && <p>{card.description}</p>
20      }
21      <Button buttonClick = {handleClick} show={show}/>
22    </div>
23  )
24 }
```

```
card > src > components > card > card.css > card_image
3
4 border:1px solid #000;
5 border-radius: 10px;
6 flex-shrink: 0;
7 flex-grow: 0;
8 background-color: #fff;
9 width:300px;
10 height:250px;
11 display: flex;
12 flex-direction: column;
13 align-items: center;
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
```

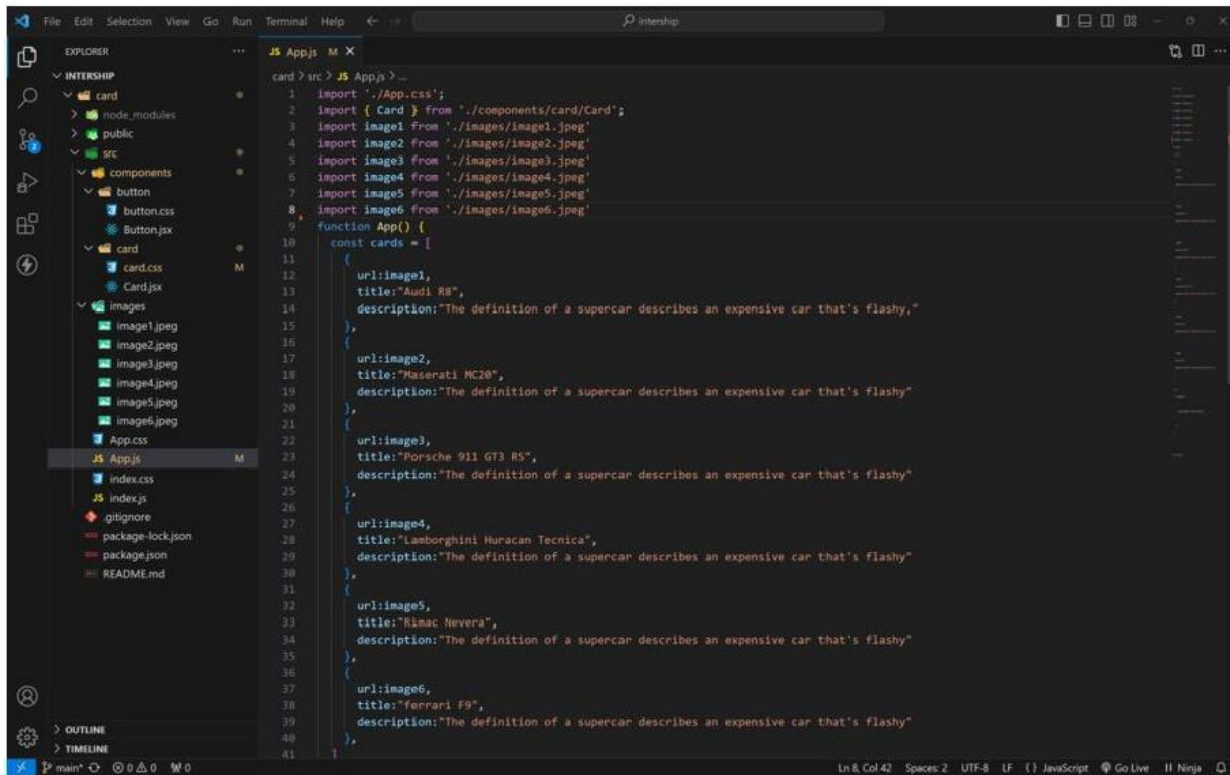
# BUTTON COMPONENT :



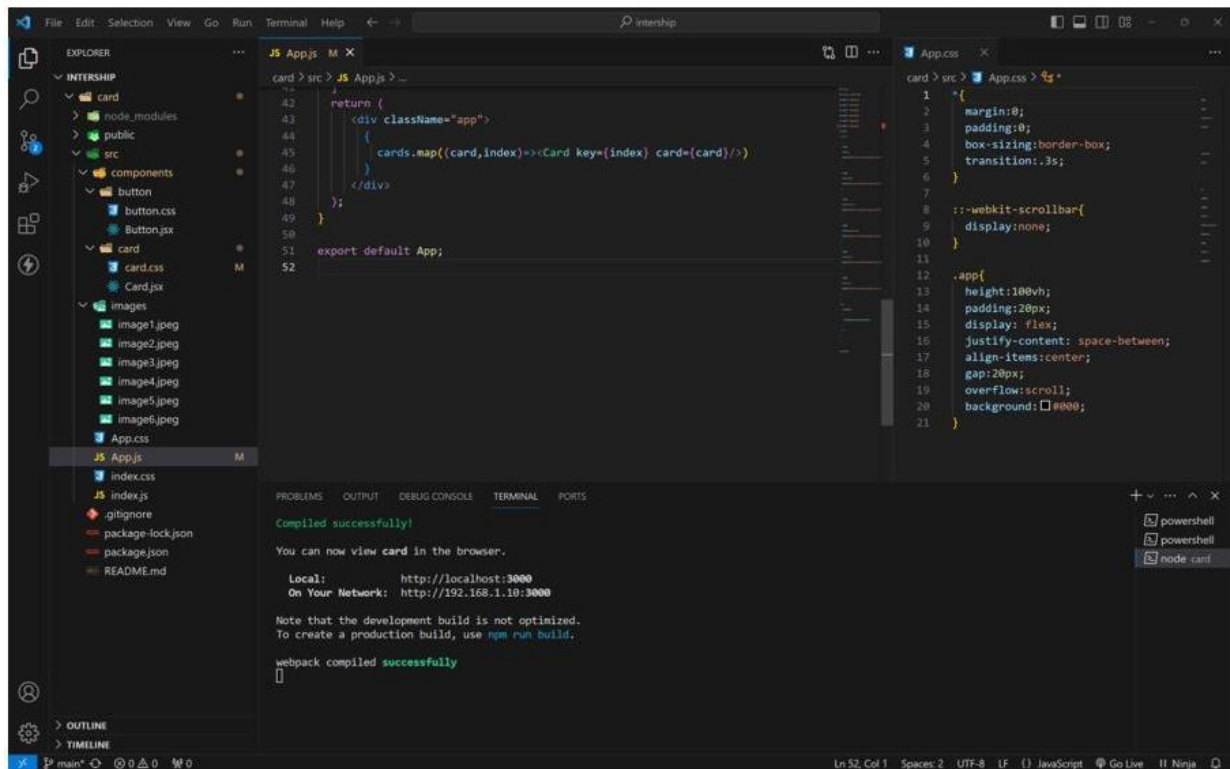
The screenshot shows a VS Code editor window with a project named 'intership'. The Explorer panel on the left shows the file structure, including a 'components' directory with a 'button' subdirectory. The main editor displays the 'App.js' file, which contains the following code:

```
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 function App() {
10   const cards = [
11     {
12       url:image1,
13       title:"Audi R8",
14       description:"The definition of a supercar describes an expensive car that's flashy,"
15     },
16     {
17       url:image2,
18       title:"Maserati MC20",
19       description:"The definition of a supercar describes an expensive car that's flashy"
20     },
21     {
22       url:image3,
23       title:"Porsche 911 GT3 RS",
24       description:"The definition of a supercar describes an expensive car that's flashy"
25     },
26     {
27       url:image4,
28       title:"Lamborghini Huracan Tecnica",
29       description:"The definition of a supercar describes an expensive car that's flashy"
30     },
31     {
32       url:image5,
33       title:"Kia Niro",
34       description:"The definition of a supercar describes an expensive car that's flashy"
35     },
36     {
37       url:image6,
38       title:"Ferrari F9",
39       description:"The definition of a supercar describes an expensive car that's flashy"
40     },
41   ]
42 }
```

# APP COMPONENT :



```
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 }
```



```
1 return (
2   <div className="app">
3     {
4       cards.map((card, index) => <Card key={index} card={card}/>)
5     }
6   </div>
7 );
8
9 export default App;
```

```
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 }
```

Compiled successfully!

You can now view card in the browser.

Local: <http://localhost:3000>  
On Your Network: <http://192.168.1.10:3000>

Note that the development build is not optimized.  
To create a production build, use `npm run build`.

webpack compiled successfully

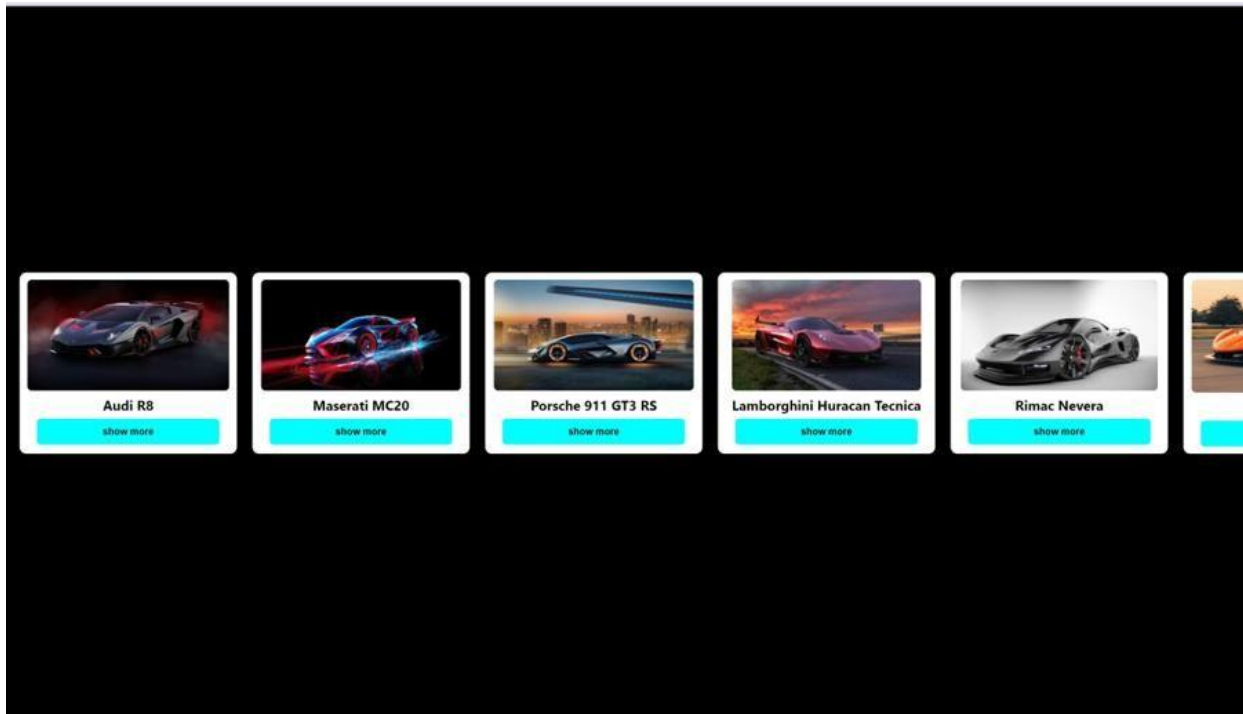
```
const cards = [
  {
    url:image1,
    title:"Audi R8",
    description:"The definition of a supercar describes an expensive car that's flashy,"
  },
  {
    url:image2,
    title:"Maserati MC20",
    description:"The definition of a supercar describes an expensive car that's flashy"
  },
  {
    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"
  },
]
```

## APPROACH :

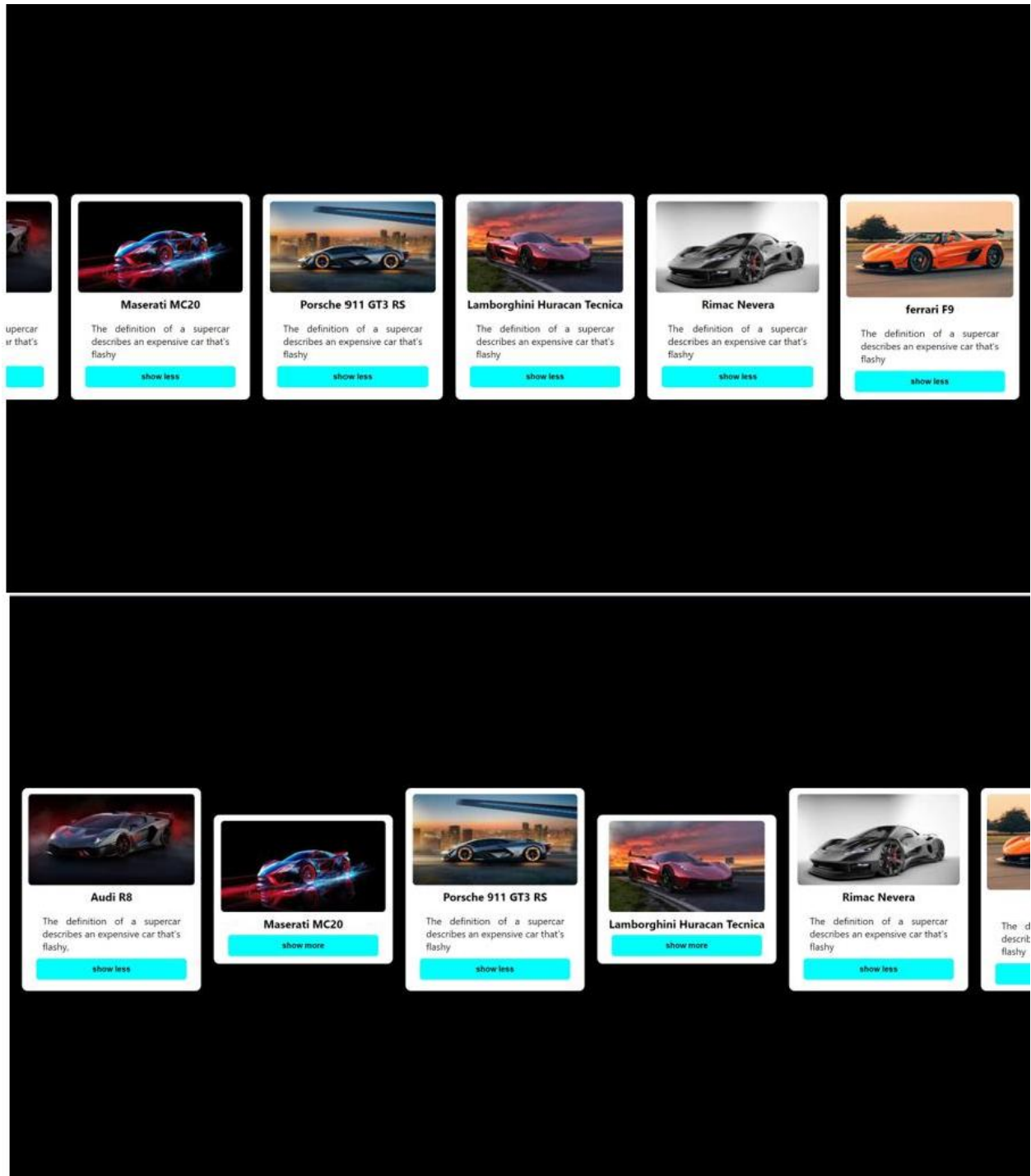
1. Initially take an array of objects like below.
2. Passing this card array to child (card component) of App component by using props;
3. Getting data as argument like {card} in card component.
4. In card component i use one state [show, setShow] to get extra info as description.

5. When we click the button then show becomes true by assigning `setShow(!show)`.

## OUTPUT :



After Button Clicks :



Live Demo : <https://yesucard.netlify.app>