

# React.js Component Creation

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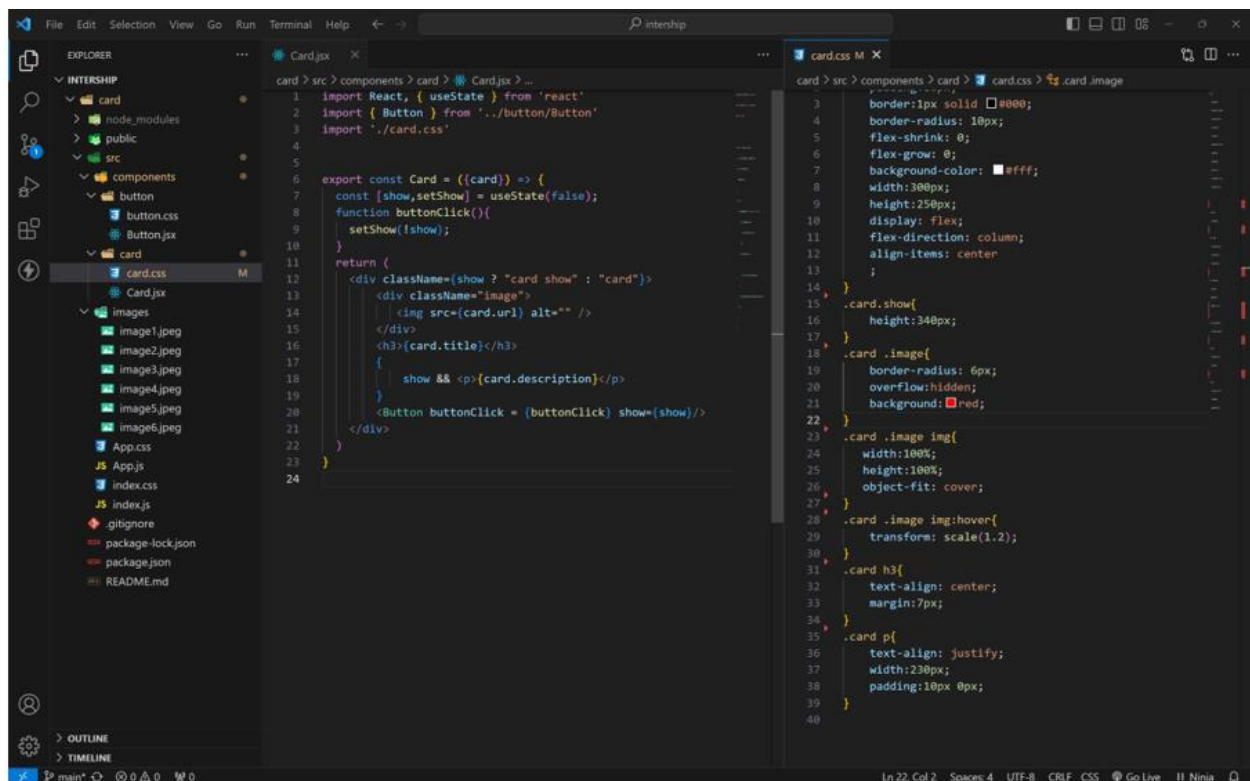
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## Source Code :-

### CARD COMPONENT :



The screenshot displays the Visual Studio Code editor with a project structure on the left and two code files open in the main editor.

**Project Structure (EXPLORER):**

- INTERSHIP
  - card
    - node\_modules
    - public
    - src
      - components
        - button
          - button.css
          - Button.jsx
        - card
          - card.css
          - Card.jsx
        - images
          - image1.jpeg
          - image2.jpeg
          - image3.jpeg
          - image4.jpeg
          - image5.jpeg
          - image6.jpeg
        - App.css
        - App.js
        - index.css
        - index.js
        - .gitignore
        - package-lock.json
        - package.json
        - README.md

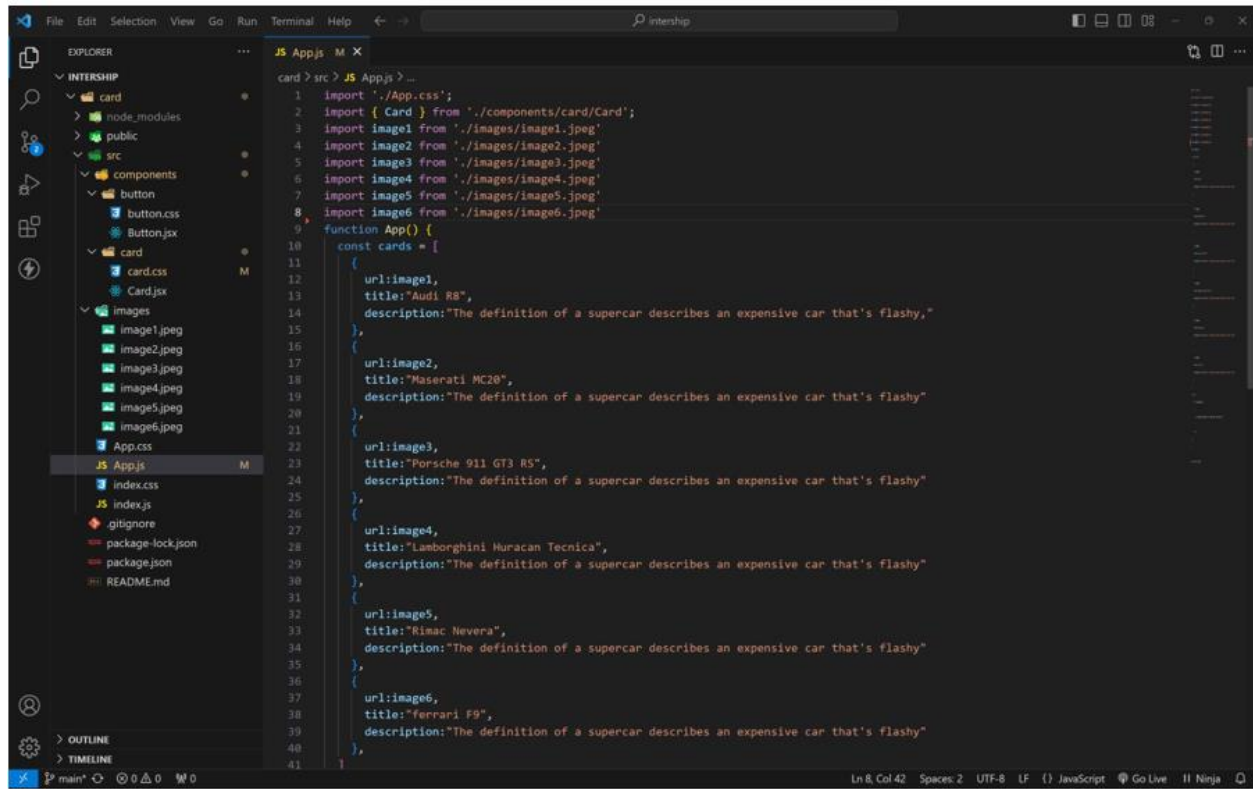
**Card.jsx (Main Editor):**

```
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 (Main Editor):**

```
1 border:1px solid #000;
2 border-radius: 10px;
3 flex-shrink: 0;
4 flex-grow: 0;
5 background-color: #fff;
6 width:300px;
7 height:250px;
8 display: flex;
9 flex-direction: column;
10 align-items: center;
11
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 :



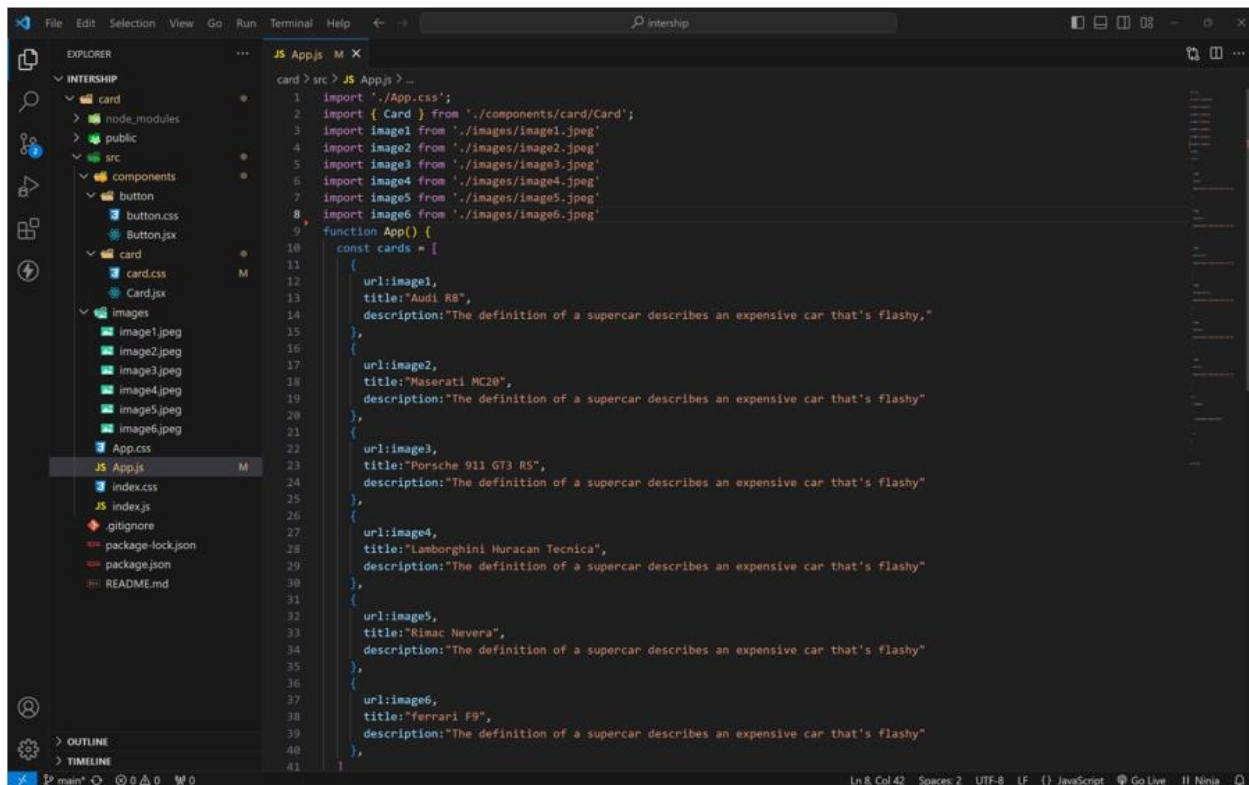
The screenshot shows a VS Code editor window with a project named 'intership'. The Explorer panel on the left shows the file structure:

- INTERSHIP
  - card
    - node\_modules
    - public
    - src
      - components
        - button
          - button.css
          - Button.jsx
        - card
          - card.css
          - Card.jsx
        - images
          - image1.jpeg
          - image2.jpeg
          - image3.jpeg
          - image4.jpeg
          - image5.jpeg
          - image6.jpeg
  - App.js (selected)
  - index.css
  - index.js
  - .gitignore
  - package-lock.json
  - package.json
  - README.md

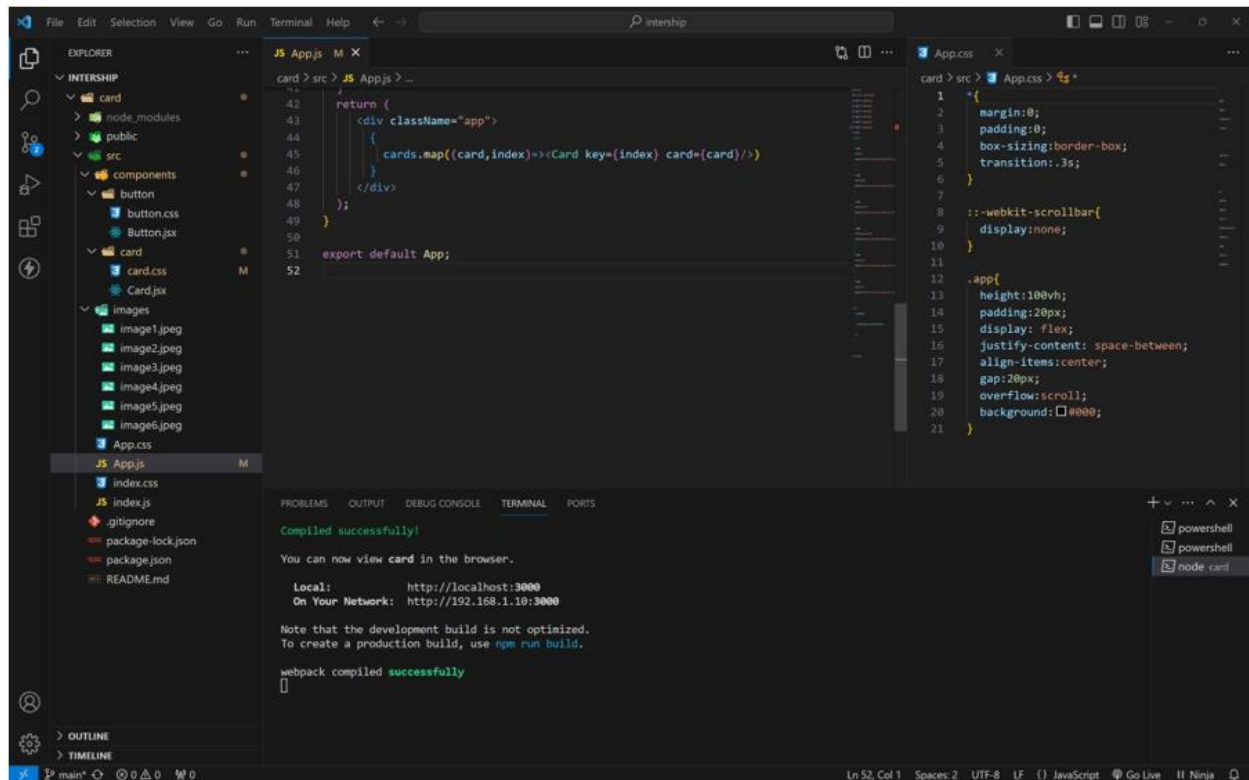
The main editor shows the code for 'App.js' (Ln 8, Col 42):`1 import './App.css';
2 import { Card } from './components/card/Card';
3 import image1 from './images/image1.jpeg';
4 import image2 from './images/image2.jpeg';
5 import image3 from './images/image3.jpeg';
6 import image4 from './images/image4.jpeg';
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:"Rimac Nevera",
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 }`

The status bar at the bottom indicates 'Ln 8, Col 42', 'Spaces: 2', 'UTF-8', 'LF', 'JavaScript', 'Go Live', and 'Ninja'.

## APP COMPONENT :



```
card > src > JS App.js > ...
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: "Rimac Nevera",
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 }
```



```
card > src > JS App.js > ...
42 return {
43   <div className="app">
44     {
45       cards.map((card, index) => <Card key={index} card={card}/>)
46     }
47   </div>
48 };
49 export default App;
```

```
card > src > App.css > ...
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 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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

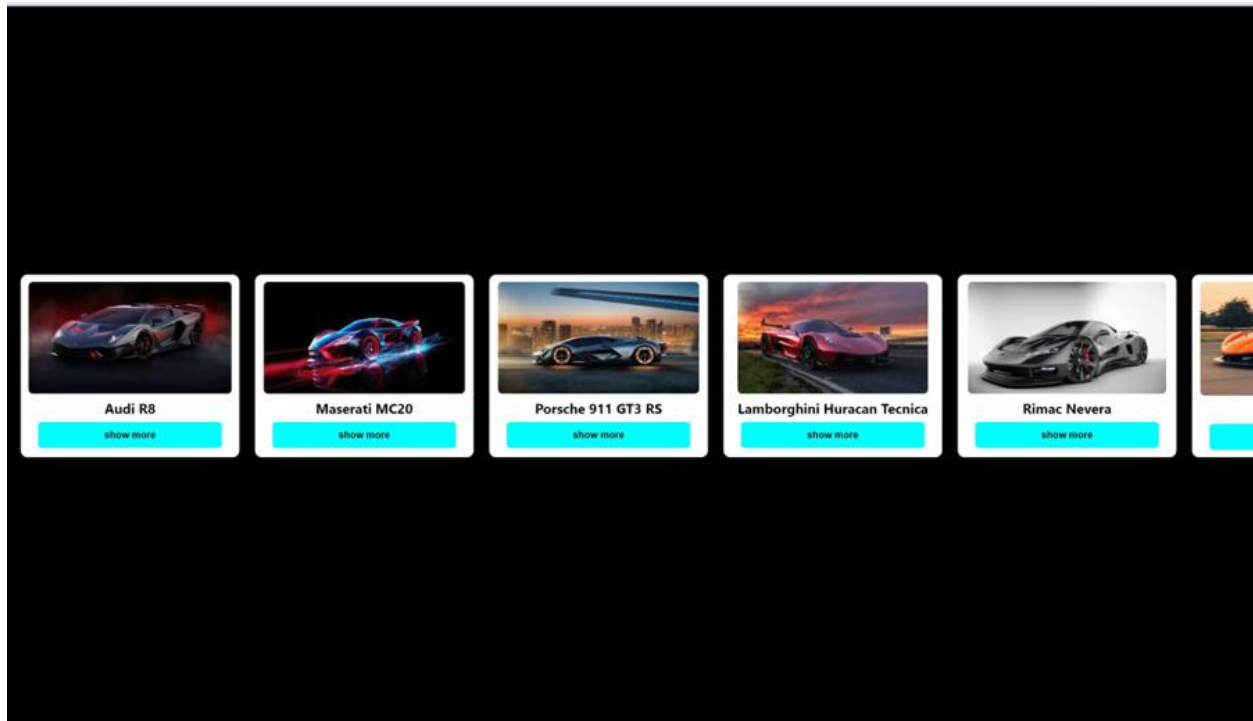
```
const cards = [
  {
    url:image1,
    title:"Audi R8",
    description:"The definition of a supercar describes an expensive car that's flashy,"
  },
  {
    url:image2,
    title:"Maserati MC20",
    description:"The definition of a supercar describes an expensive car that's flashy"
  },
  {
 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

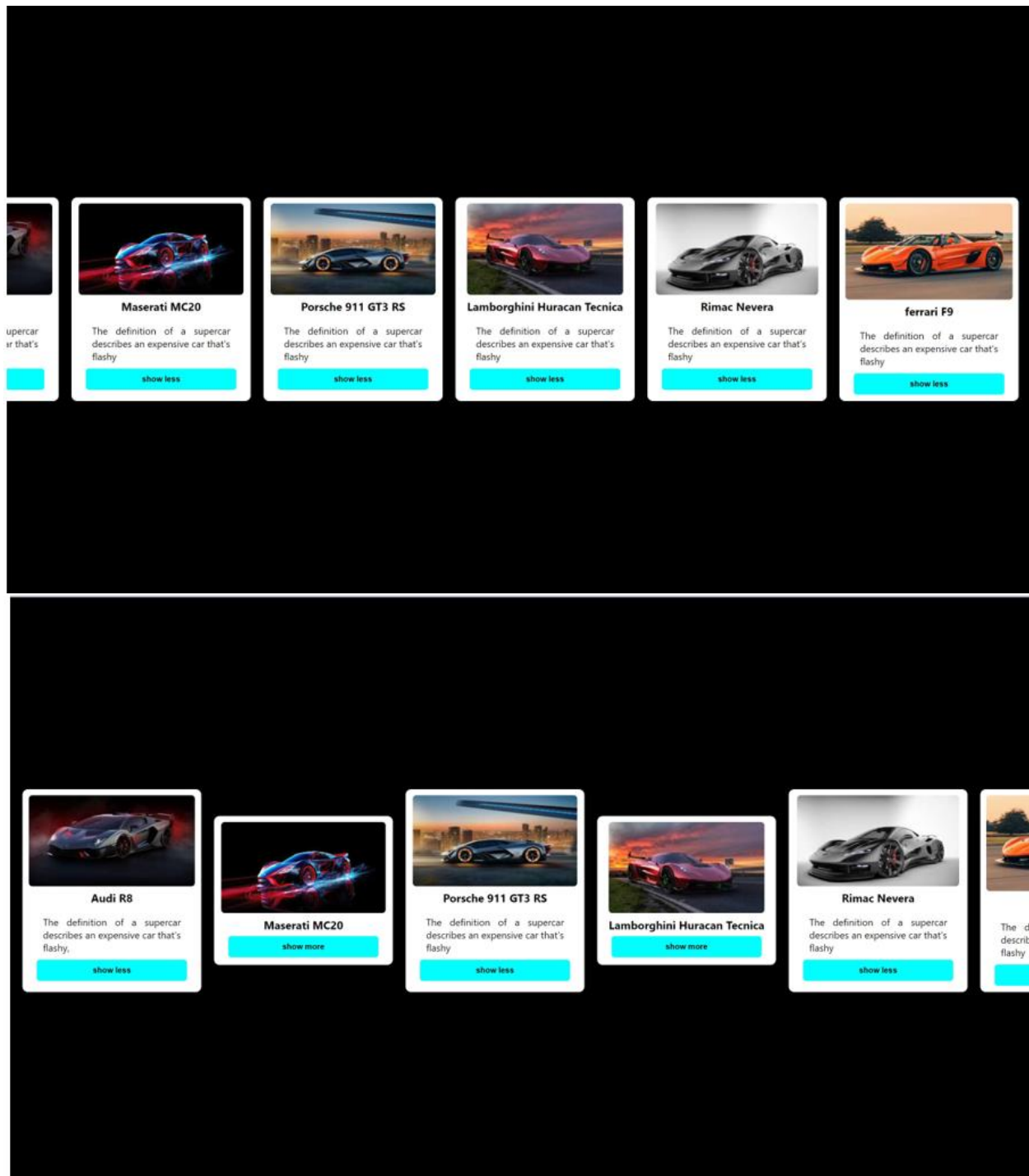
1. Initially take an array of objects like below.
2. Passing this card array to child (card component) of App component by using props;
3. Getting data as argument like {card} in card component.
4. In card component i use one state [show, setShow] to get extra info as description.

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

## OUTPUT :



After Button Clicks :



Github link : <https://github.com/Dileepkumarjakka/5405-Dileepkumar>

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