

# React.js Component Creation

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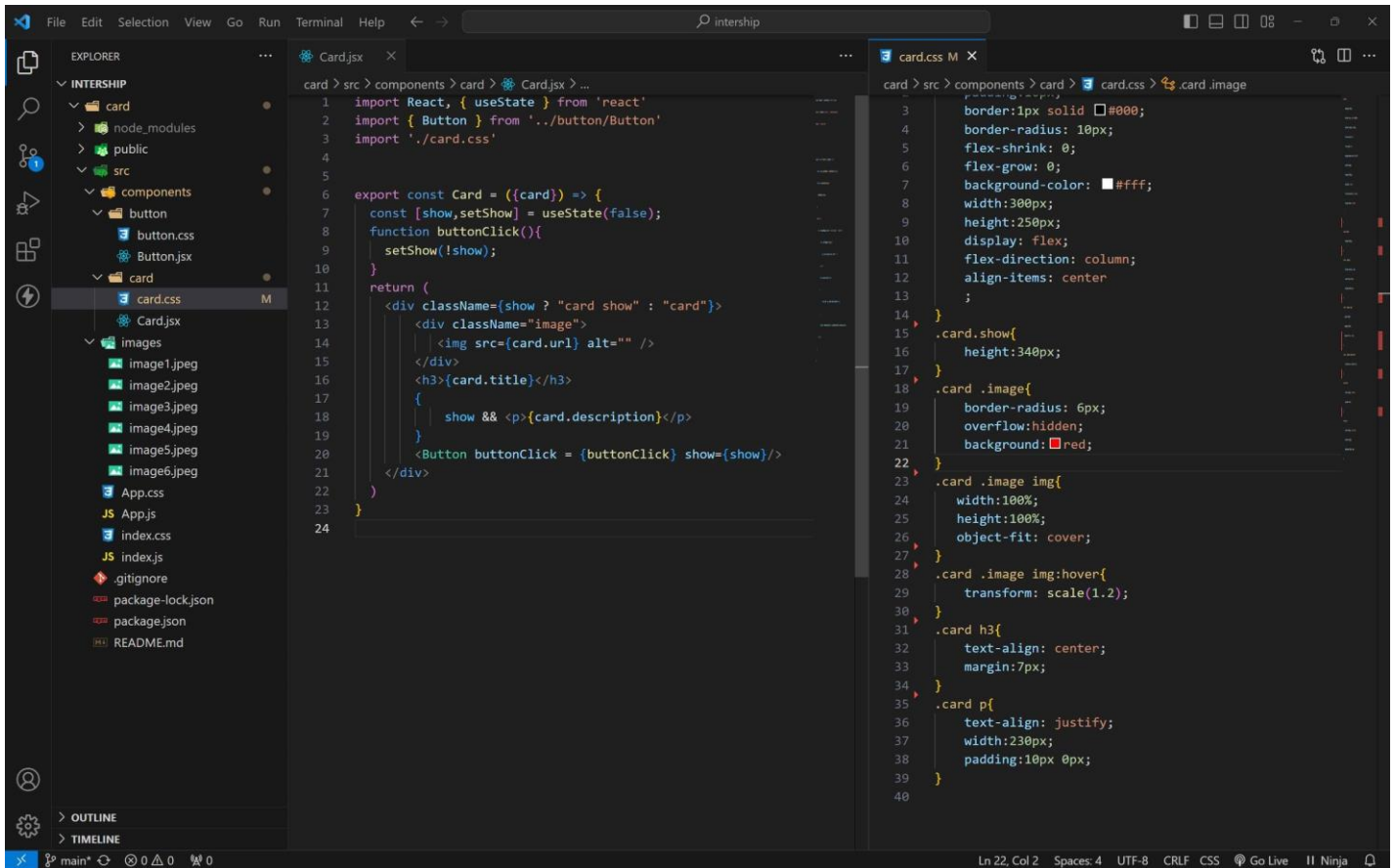
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**source code :**

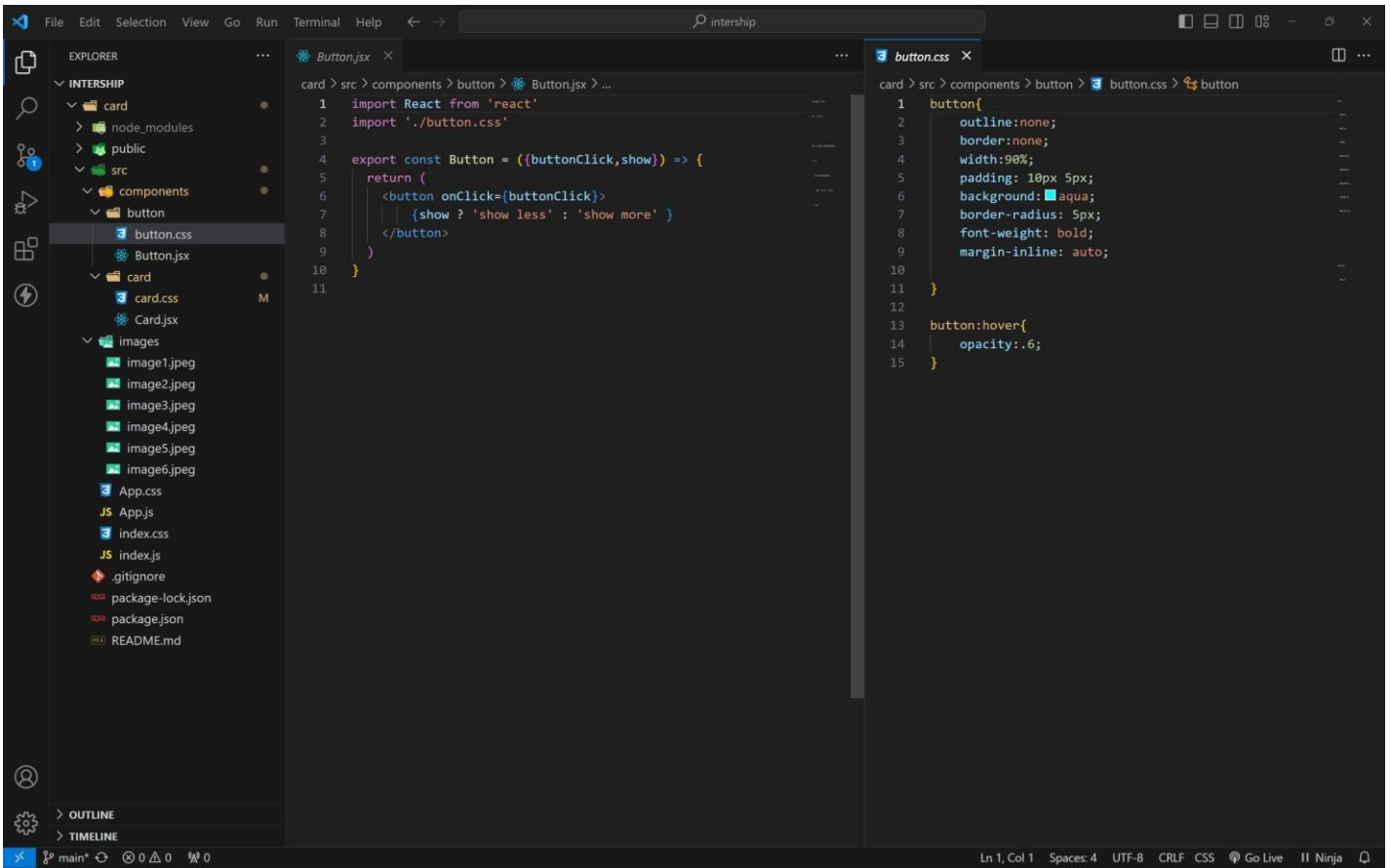
**CARD COMPONENT :**

The image is a screenshot of a Visual Studio Code editor window. On the left, the Explorer sidebar shows a project structure with folders like 'card' and 'components', and files like 'card.css' and 'Card.js'. The main editor area is split into two panes. The left pane shows the 'Card.js' file with React code using useState and a Button component. The right pane shows the 'card.css' file with CSS rules for the card, including background color, dimensions, and hover effects. The status bar at the bottom indicates the current line and column (Ln 22, Col 2) and other settings like UTF-8 encoding and CSS syntax highlighting.

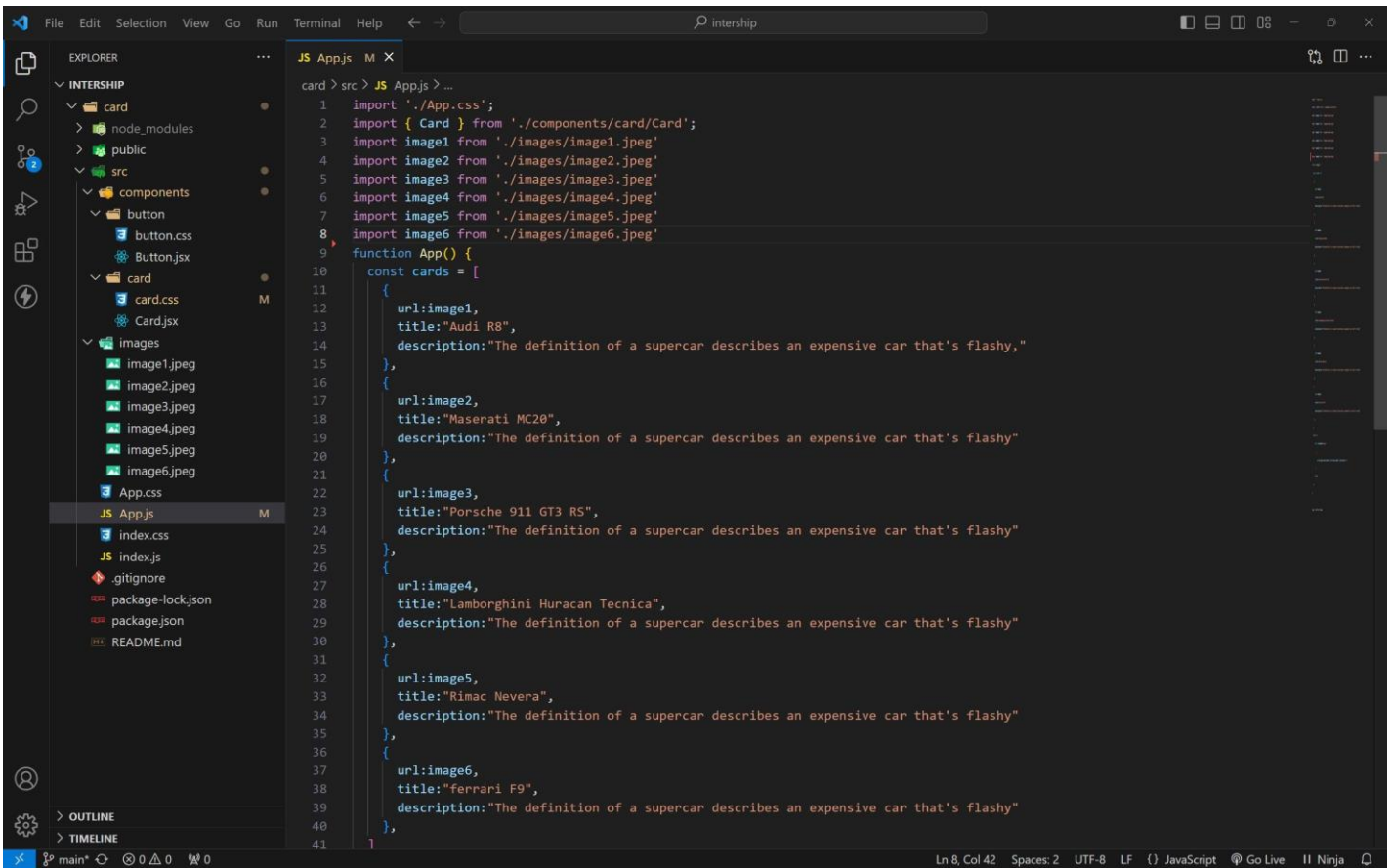
```
card > src > components > card > Card.js > ...
1 import React, { useState } from 'react'
2 import { Button } from '../button/Button'
3 import './card.css'
4
5
6 export const Card = ({card}) => {
7   const [show, setShow] = useState(false);
8   function handleClick(){
9     setShow(!show);
10  }
11  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      {
18        show && <p>{card.description}</p>
19      }
20      <Button handleClick = {handleClick} show={show}/>
21    </div>
22  )
23 }
24
```

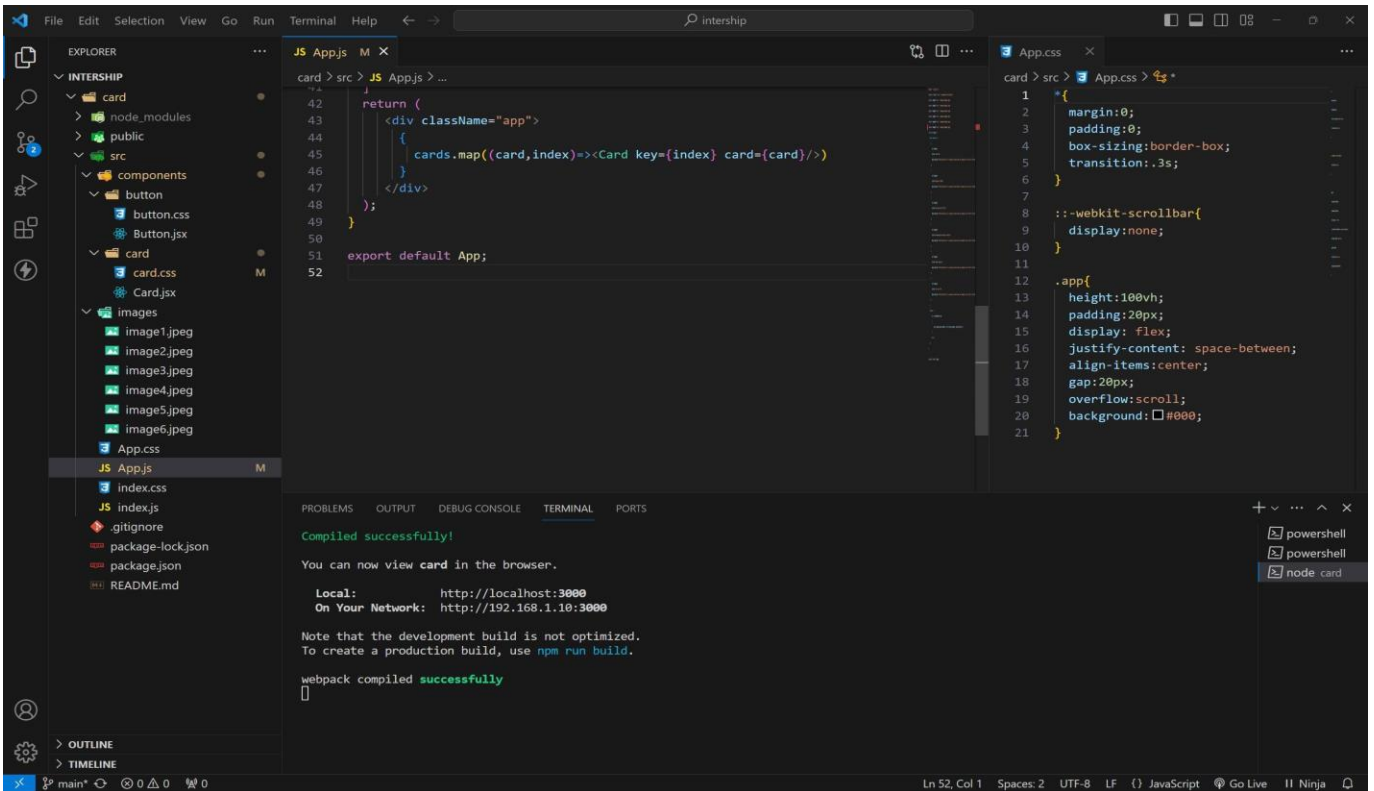
```
card > src > components > card > card.css > .card .image
3
4 border:1px solid #000;
5 border-radius: 10px;
6 flex-shrink: 0;
7 flex-grow: 0;
8 background-color: #fff;
9 width:300px;
10 height:250px;
11 display: flex;
12 flex-direction: column;
13 align-items: center
14 ;
15
16 .card.show{
17   height:340px;
18 }
19
20 .card .image{
21   border-radius: 6px;
22   overflow:hidden;
23   background: red;
24 }
25
26 .card .image img{
27   width:100%;
28   height:100%;
29   object-fit: cover;
30 }
31
32 .card .image img:hover{
33   transform: scale(1.2);
34 }
35
36 .card h3{
37   text-align: center;
38   margin:7px;
39 }
40
41 .card p{
42   text-align: justify;
43   width:230px;
44   padding:10px 0px;
45 }
46
```

**BUTTON COMPONENT :**



## APP COMPONENT :





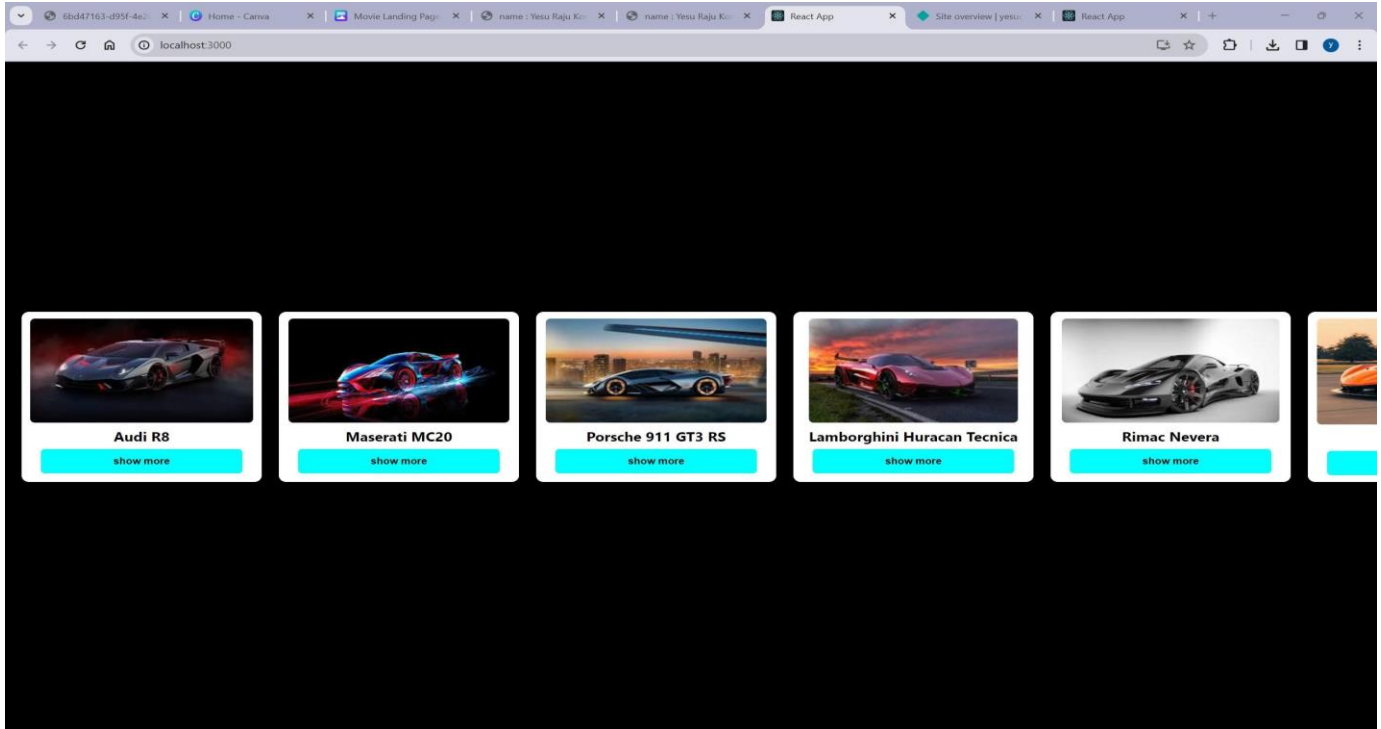
approach :

1. initially taking an array of objects like below

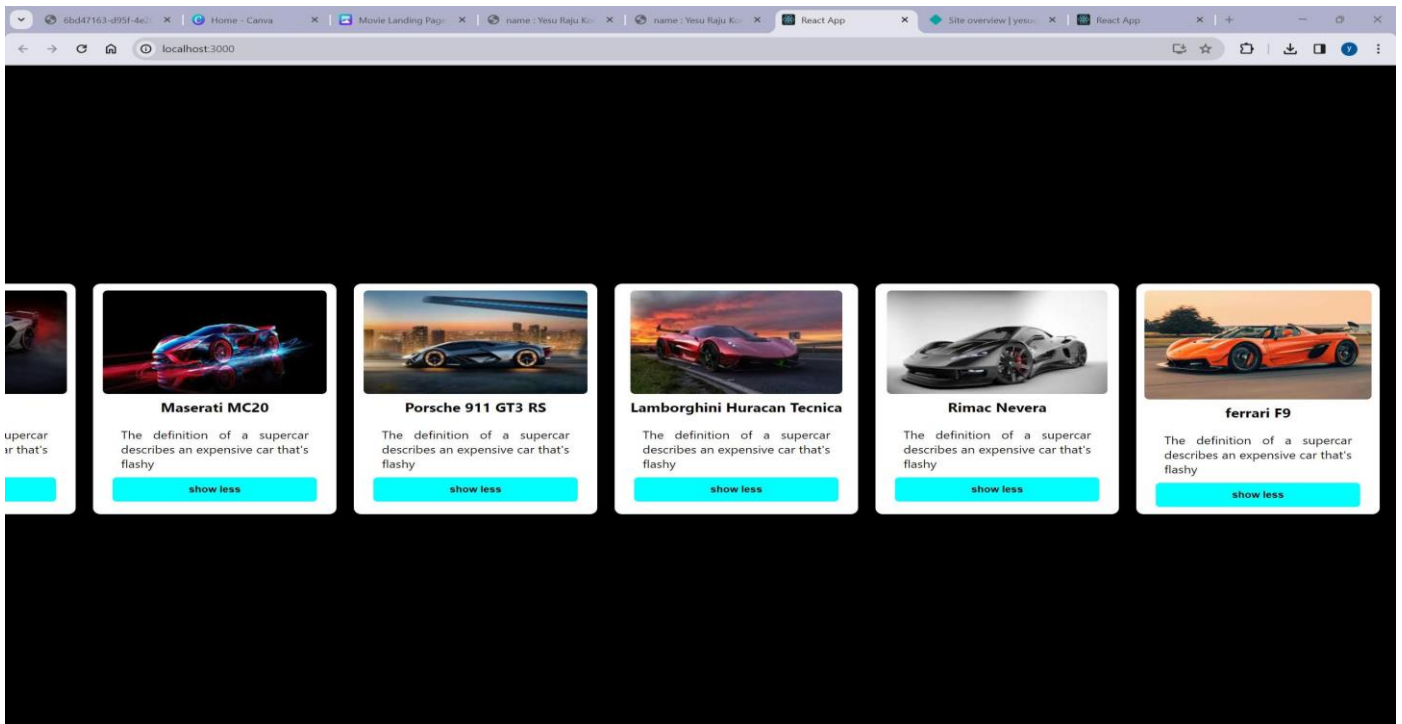
```
const cards = [
  {
    url:image1,
    title:"Audi R8",
    description:"The definition of a supercar describes an expensive car that's flashy,"
  },
  {
    url:image2,
    title:"Maserati MC20",
    description:"The definition of a supercar describes an expensive car that's flashy"
  },
  {
 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

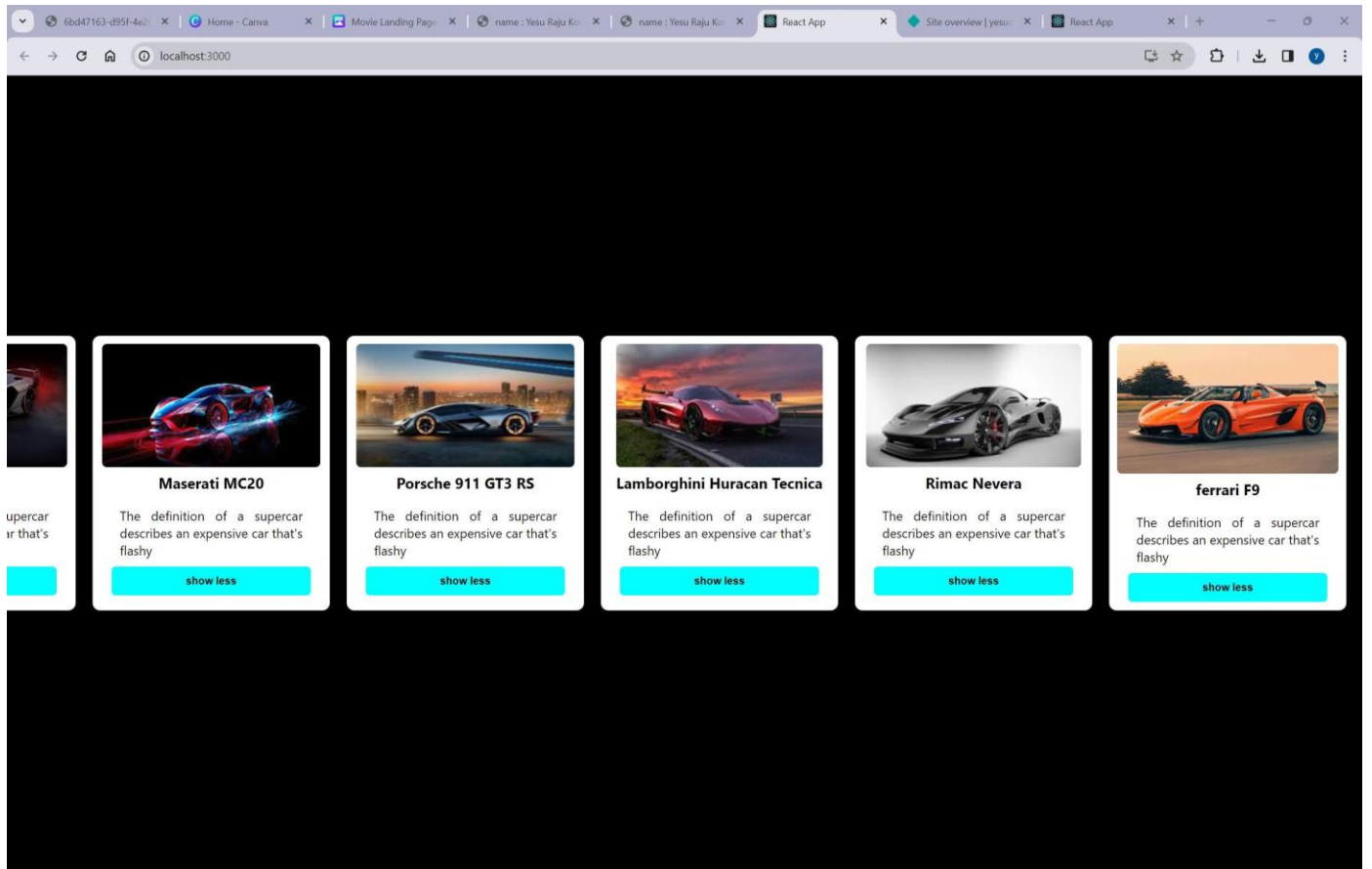
- 2 . Passing this card array to child (card component) of App component by using props;
- 3 . getting data as argument like {card} in card component.
- 4 . in card component i use one state [show, setShow] to get extra info as description.
- 5 . When we click the button then show becomes true by assigning setShow (!show) .

## OUTPUT :



## AFTER BUTTON CLICKS :





upercar  
ar that's

show less



### Maserati MC20

The definition of a supercar  
describes an expensive car that's  
flashy

show less



### Porsche 911 GT3 RS

The definition of a supercar  
describes an expensive car that's  
flashy

show less



### Lamborghini Huracan Tecnica

The definition of a supercar  
describes an expensive car that's  
flashy

show less



### Rimac Nevera

The definition of a supercar  
describes an expensive car that's  
flashy

show less



### ferrari F9

The definition of a supercar  
describes an expensive car that's  
flashy

show less