

React.js Component Creation

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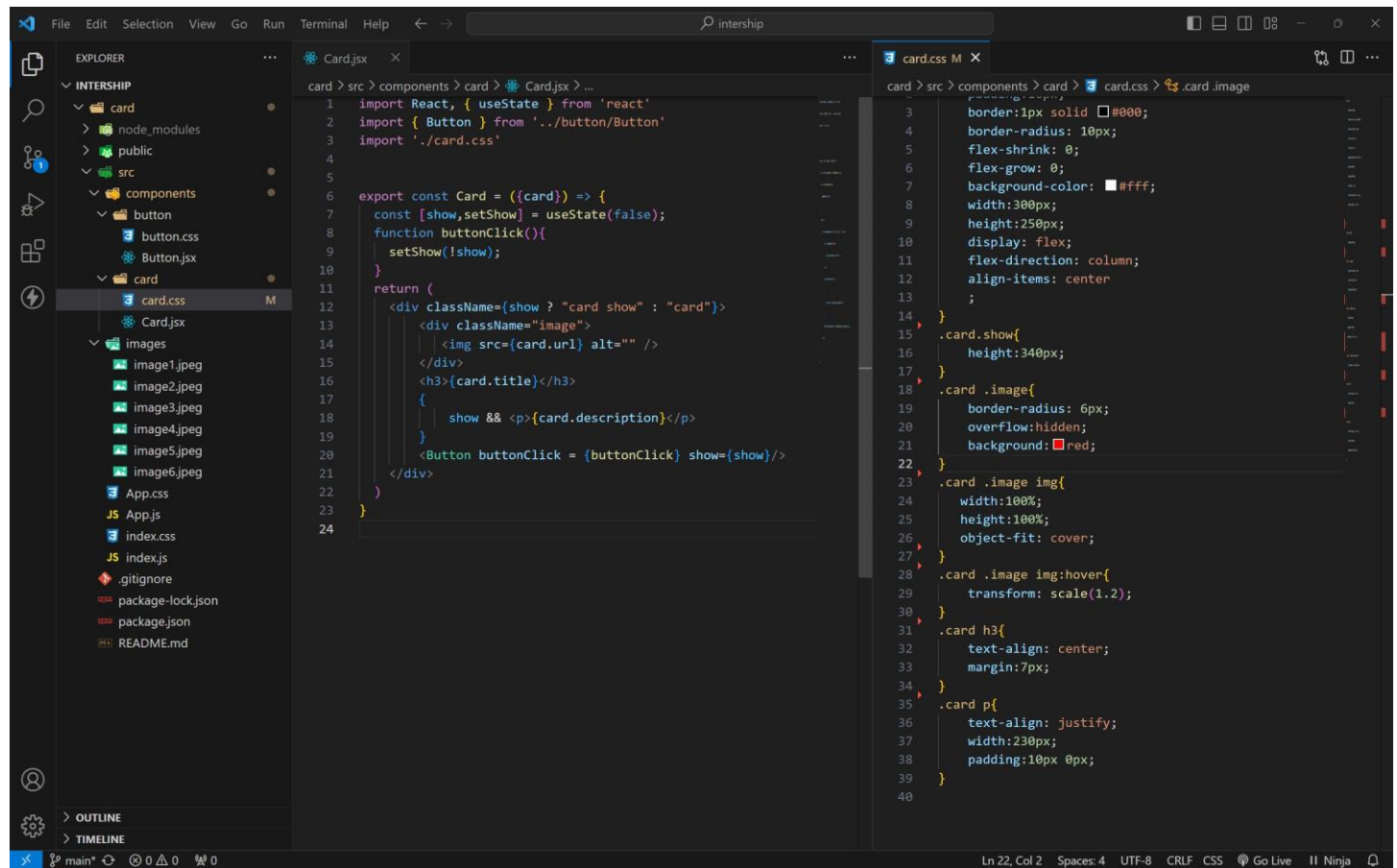
phone no : 9121034915

Roll NO : 21t95a0504

College Name : giet engineering college

source code :

CARD COMPONENT :



The screenshot displays the Visual Studio Code editor with two files open: Card.js and card.css. The Explorer sidebar on the left shows the project structure, including a 'card' directory with sub-directories 'components' and 'src'. The 'card' directory is expanded, showing 'card.css' and 'Card.js'.

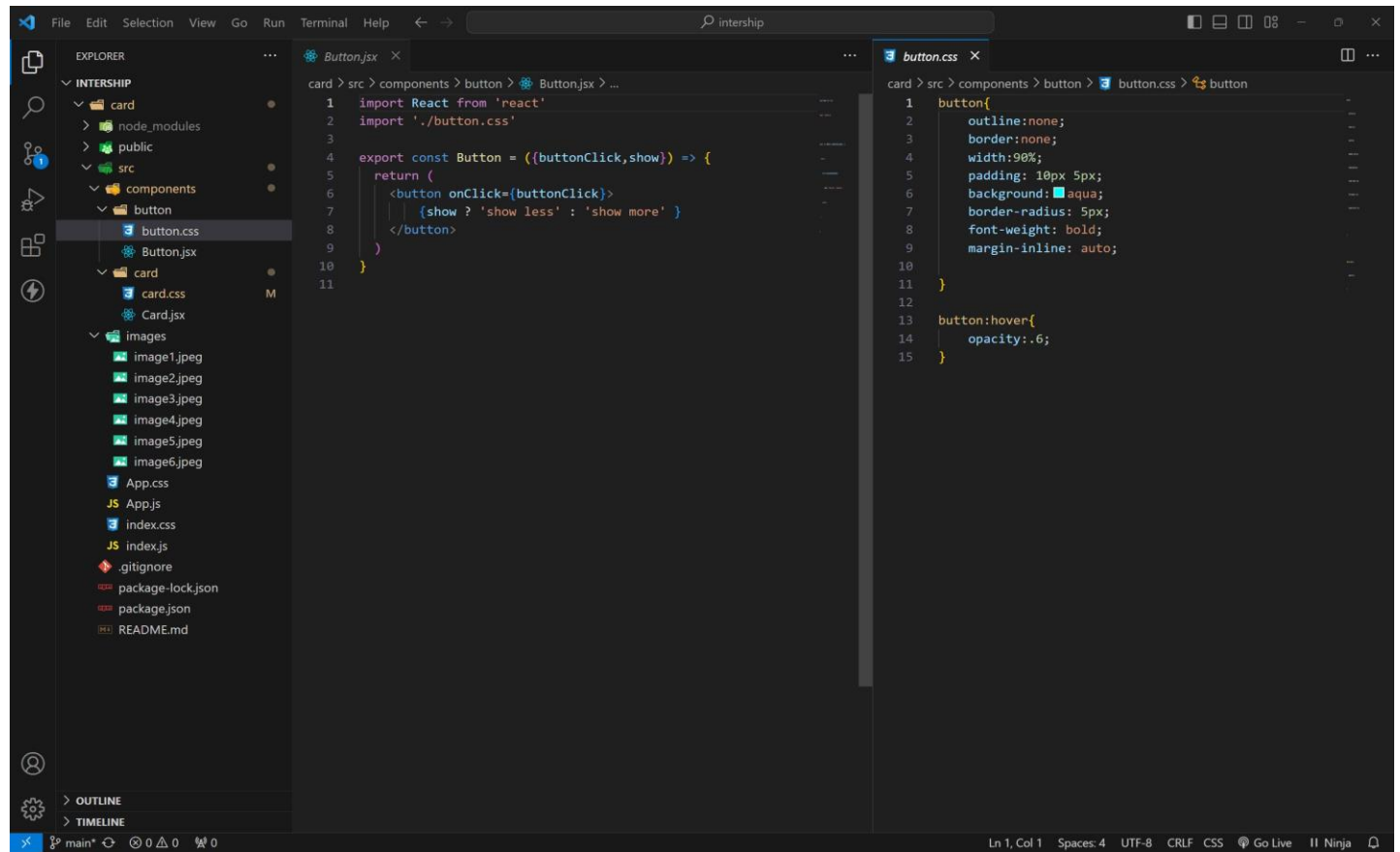
Card.js

```
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.css

```
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
```

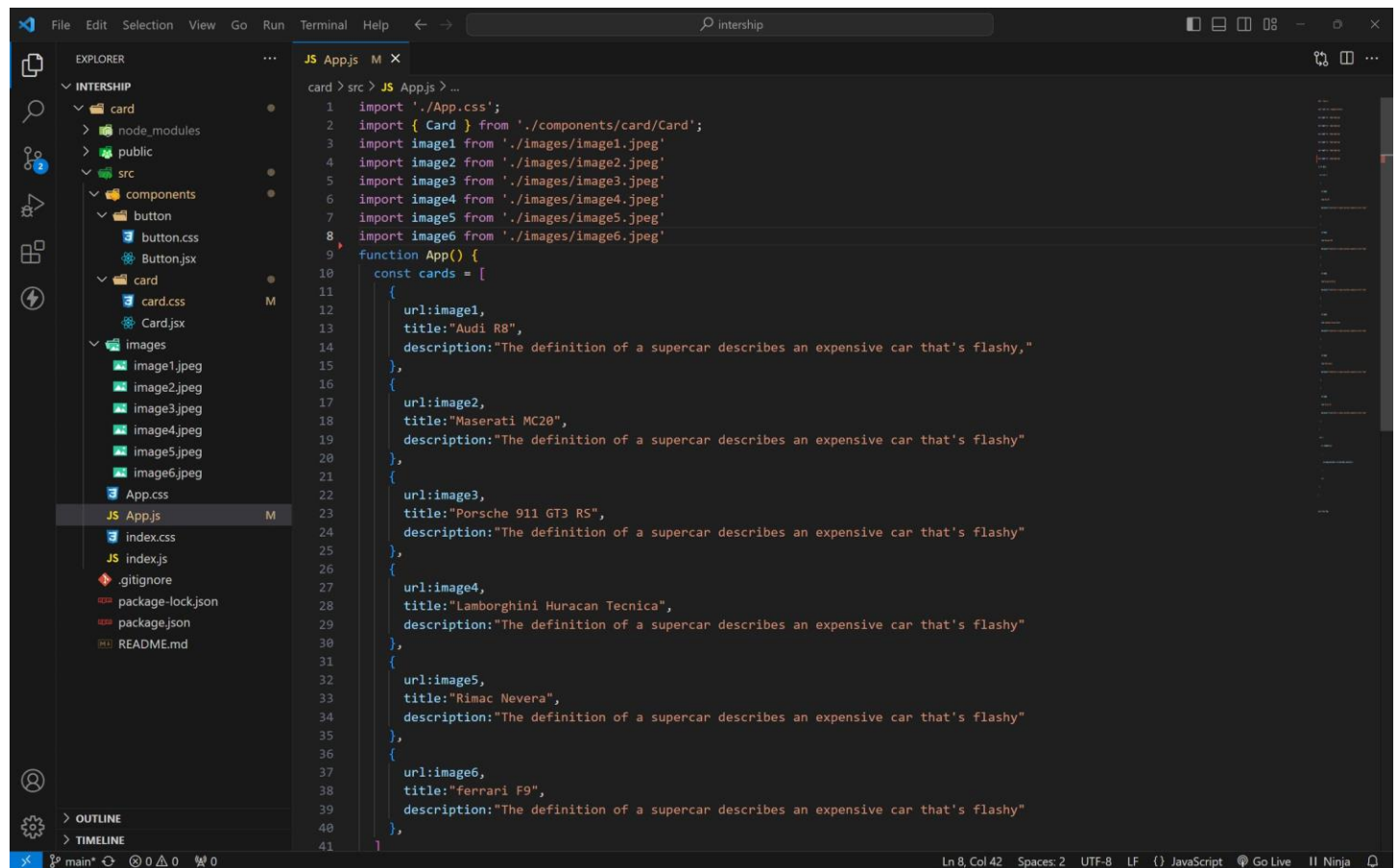
BUTTON COMPONENT :



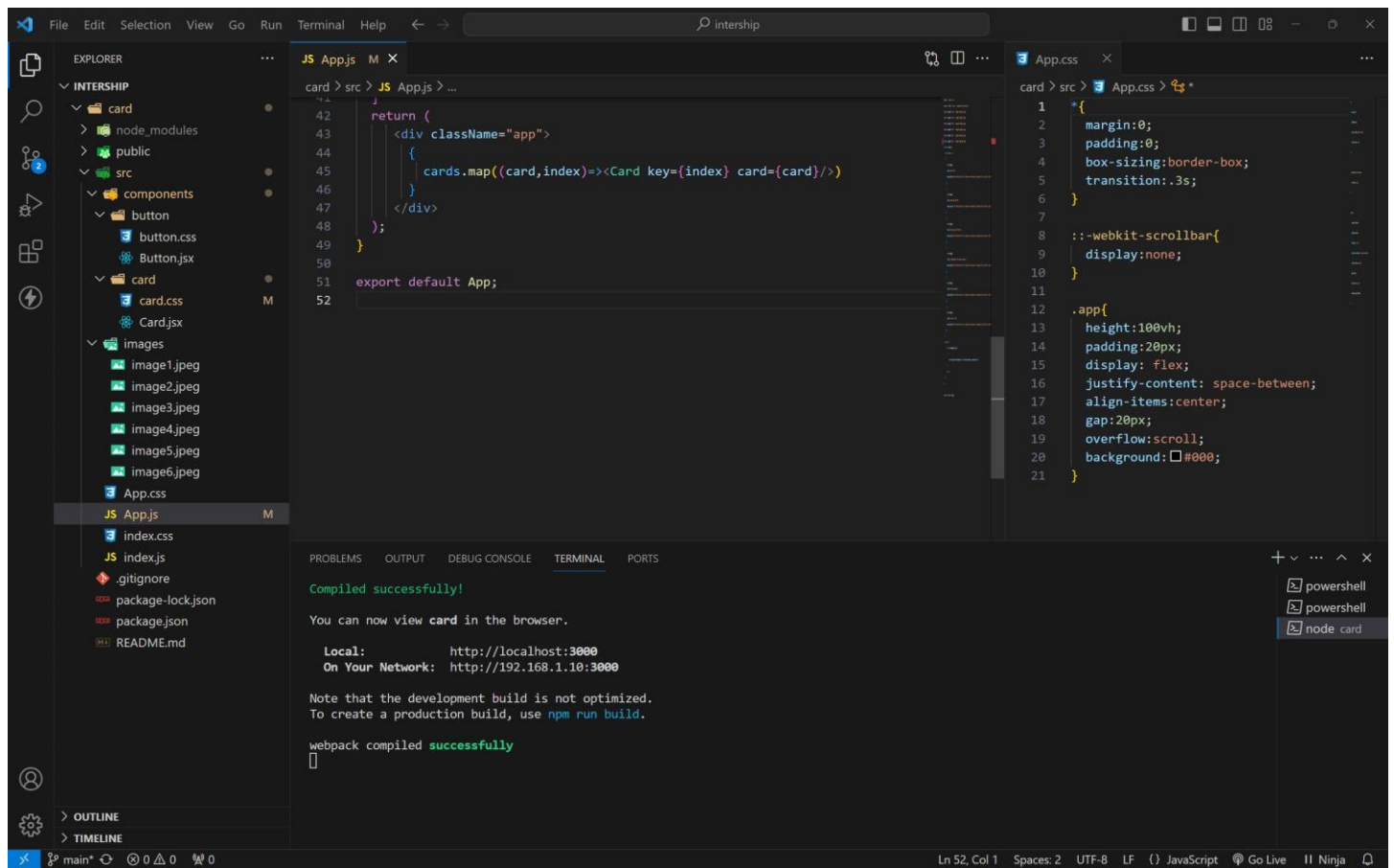
```
card > src > components > button > Button.jsx > ...
1 import React from 'react'
2 import './button.css'
3
4 export const Button = ({buttonClick,show}) => {
5   return (
6     <button onClick={buttonClick}>
7       {show ? 'show less' : 'show more' }
8     </button>
9   )
10 }
11
```

```
card > src > components > button > button.css > button
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 :



```
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
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 }
```



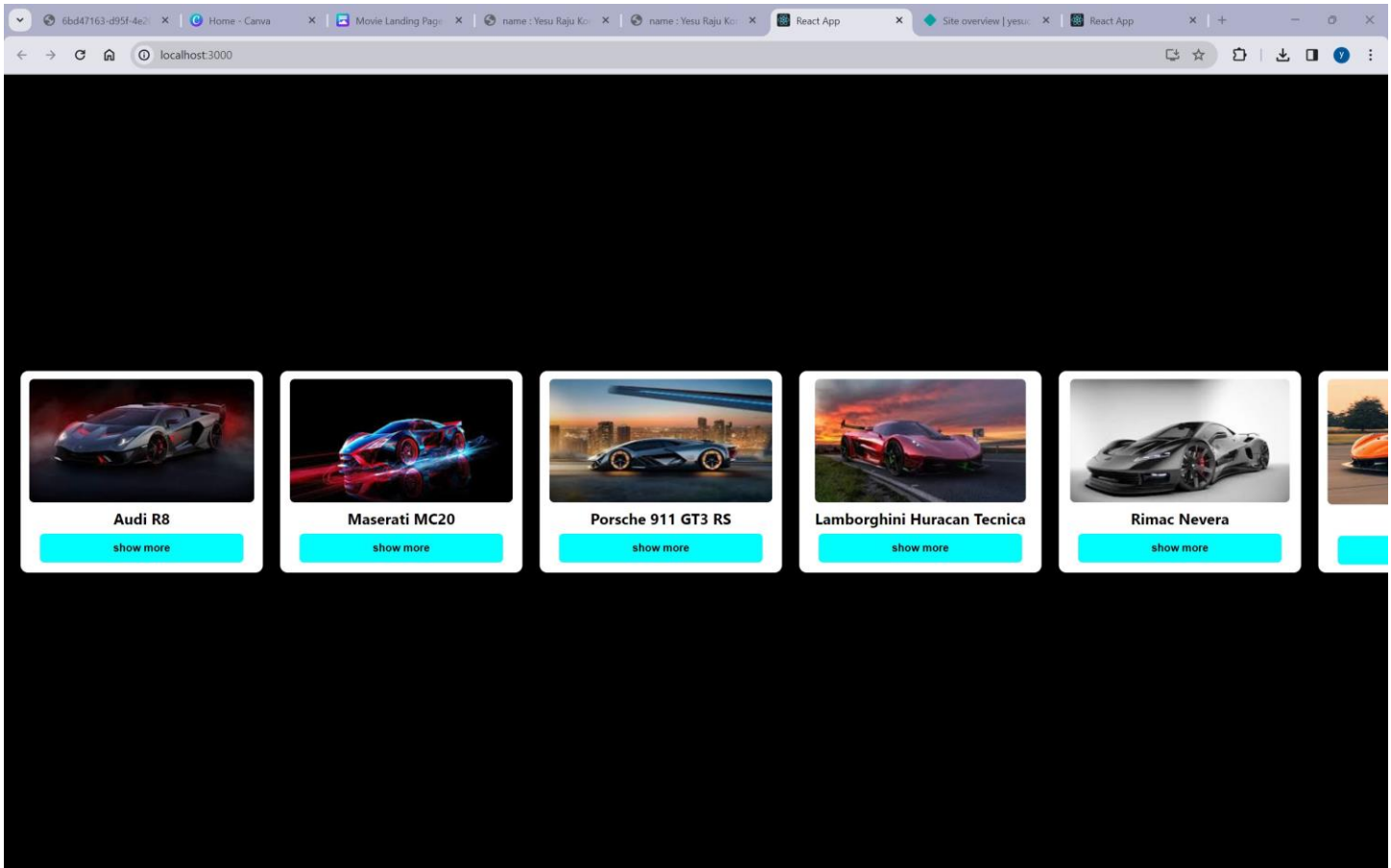
approach :

1 . initially taking an array of objects like below

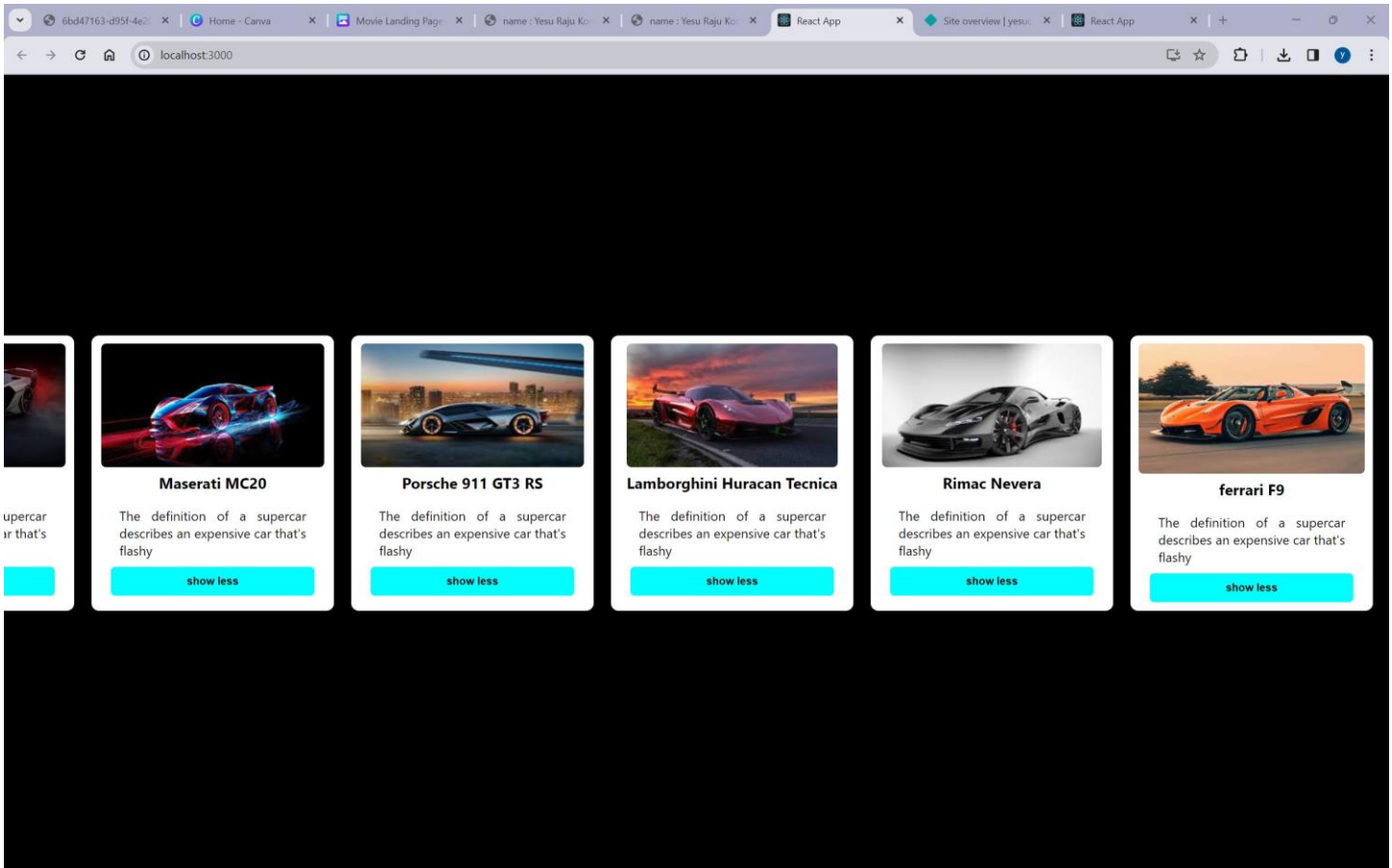
```
const cards = [
  {
    url:image1,
    title:"Audi R8",
    description:"The definition of a supercar describes an expensive car that's flashy,"
  },
  {
    url:image2,
    title:"Maserati MC20",
    description:"The definition of a supercar describes an expensive car that's flashy"
  },
  {
 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



6bd47163-d95f-4e2... x

Home - Canva x

Movie Landing Page x

name : Yesu Raju Ko... x

name : Yesu Raju Ko... x


React App x

Site overview | yesu... x

React App x

+ x


localhost:3000



Audi R8


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

show less



Maserati MC20


show more



Porsche 911 GT3 RS


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

show less



Lamborghini Huracan Tecnica


show more



Rimac Nevera

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

show less



The d... describ... flashy