React.js Component Creation

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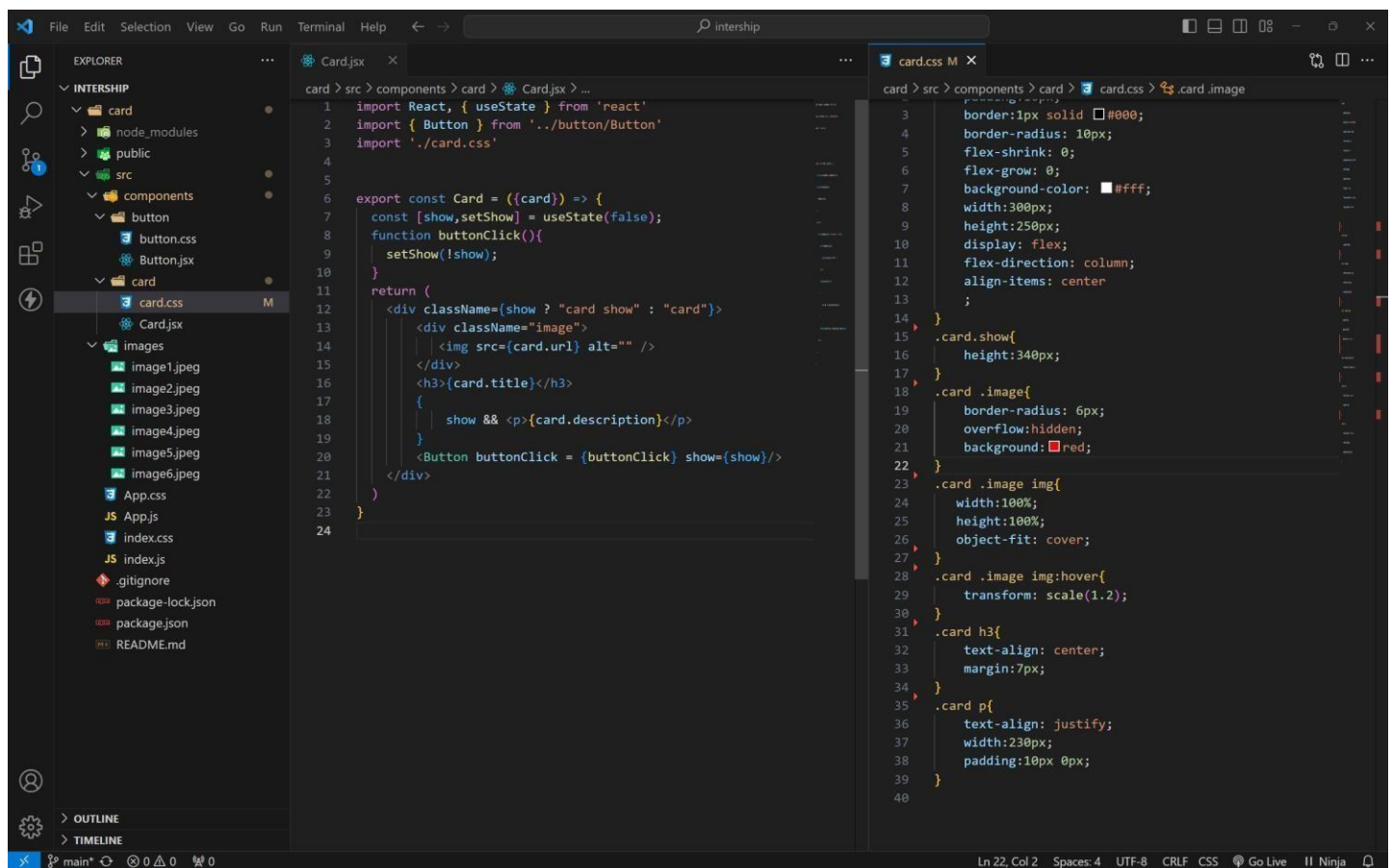**Email**   : meduridileepkumar18@gmail.com

Phone no   : 7893970310

Roll NO   : 20HU1A0432

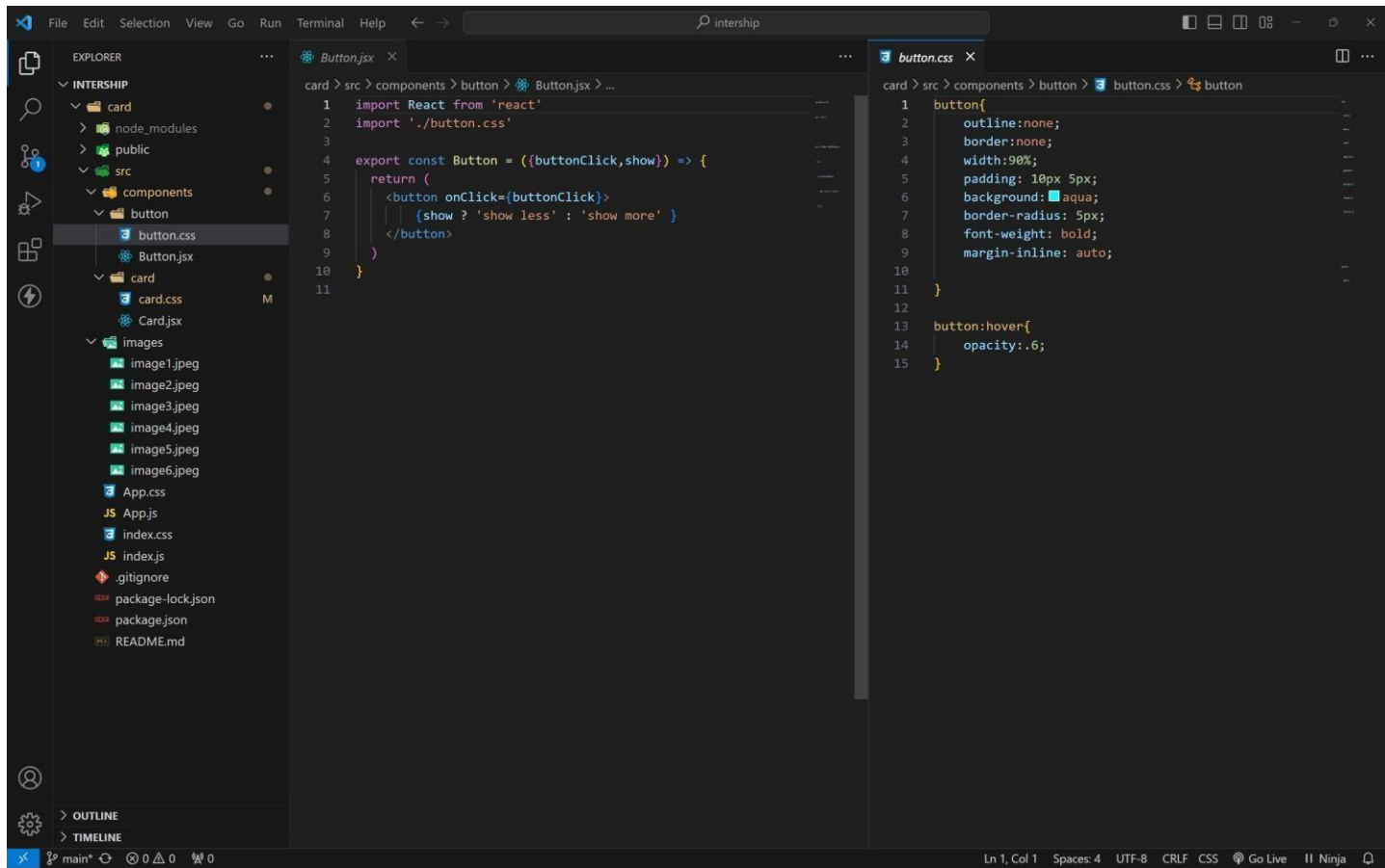**College Name** : Chebrolu engineering college

Source Code:

CARD COMPONENT:

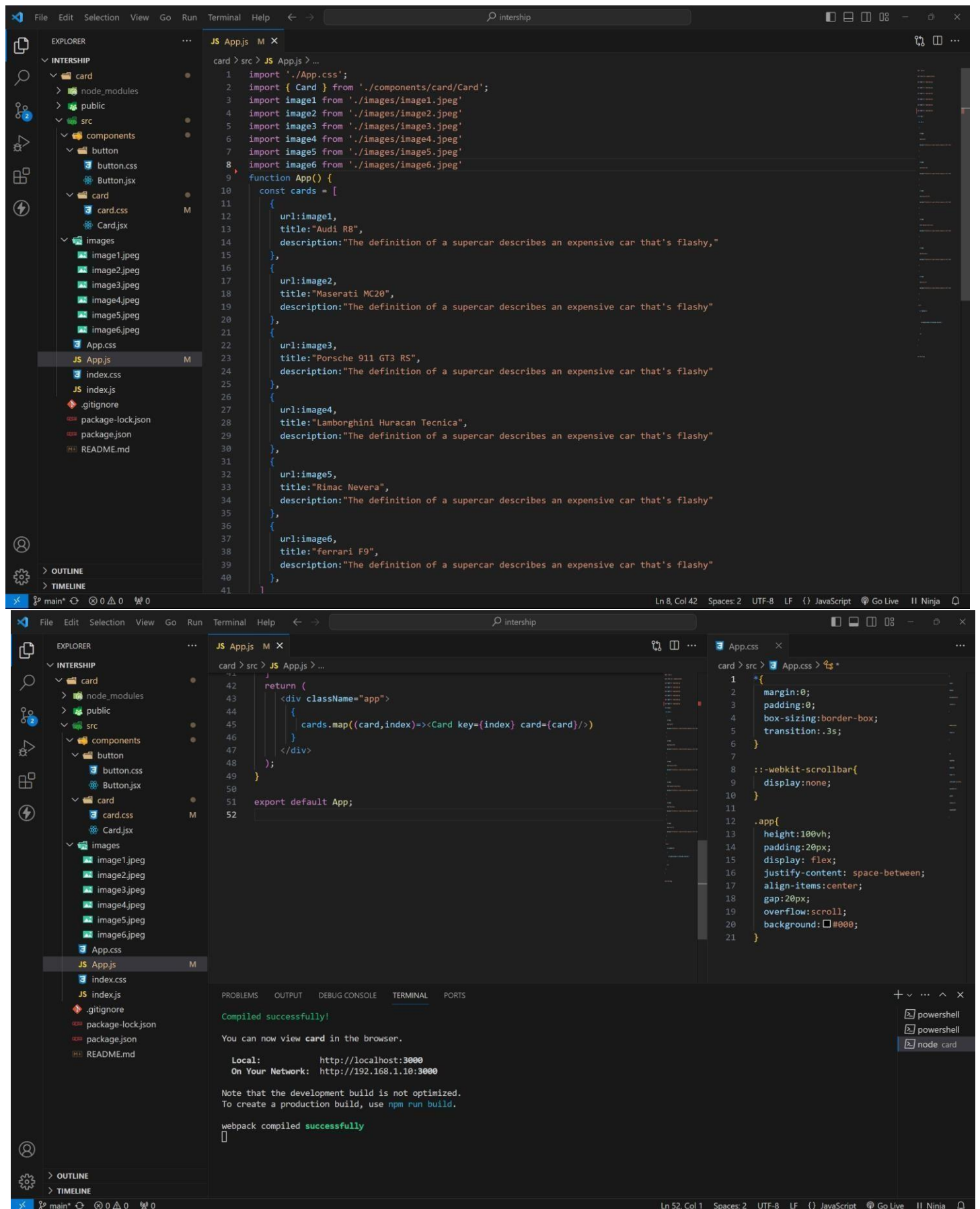

```jsx
import React, { useState } from 'react'
import { Button } from '../button/Button'
import './card.css'


export const Card = ({card}) => {
  const [show,setShow] = useState(false);
  function buttonClick(){
    setShow(!show);
  }
  return (
      <div className={show ? "card show" : "card"}>
          <div className="image">
              <img src={card.url} alt="" />
          </div>
          <h3>{card.title}</h3>
          {
              show && <p>{card.description}</p>
          }
          <Button buttonClick = {buttonClick} show={show}/>
      </div>
  )
}
```

```css
      border:1px solid #000;
      border-radius: 10px;
      flex-shrink: 0;
      flex-grow: 0;
      background-color: #fff;
      width:300px;
      height:250px;
      display: flex;
      flex-direction: column;
      align-items: center;
      ;
  }
.card.show{
      height:340px;
  }
.card .image{
      border-radius: 6px;
      overflow:hidden;
      background: red;
  }
.card .image img{
      width:100%;
      height:100%;
      object-fit: cover;
  }
.card .image img:hover{
      transform: scale(1.2);
  }
.card h3{
      text-align: center;
      margin:7px;
  }
.card p{
      text-align: justify;
      width:230px;
      padding:10px 0px;
  }
```

BUTTON COMPONENT:

```jsx
import React from 'react'
import './button.css'

export const Button = ({buttonClick,show}) => {
  return (
    <button onClick={buttonClick}>
        {show ? 'show less' : 'show more' }
    </button>
  )
}
```

```css
button{
    outline:none;
    border:none;
    width:90%;
    padding: 10px 5px;
    background: aqua;
    border-radius: 5px;
    font-weight: bold;
    margin-inline: auto;
}

button:hover{
    opacity:.6;
}
```

APP COMPONENT:

```js
import './App.css';
import { Card } from './components/card/Card';
import image1 from './images/image1.jpeg'
import image2 from './images/image2.jpeg'
import image3 from './images/image3.jpeg'
import image4 from './images/image4.jpeg'
import image5 from './images/image5.jpeg'
import image6 from './images/image6.jpeg'
function App() {
  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"
    },
```


App.js

```js
    ]
    return (
      <div className="app">
        {
          cards.map((card,index)=><Card key={index} card={card}/>)
        }
      </div>
    );
}

export default App;
```

App.css

```css
*{
  margin:0;
  padding:0;
  box-sizing:border-box;
  transition:.3s;
}

::-webkit-scrollbar{
  display:none;
}

.app{
  height:100vh;
  padding:20px;
  display: flex;
  justify-content: space-between;
  align-items:center;
  gap:20px;
  overflow:scroll;
  background:#000;
}
```

Terminal:

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**

Approach:

1 . initially taking an array of objects like below

```javascript
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"
  },
]
```
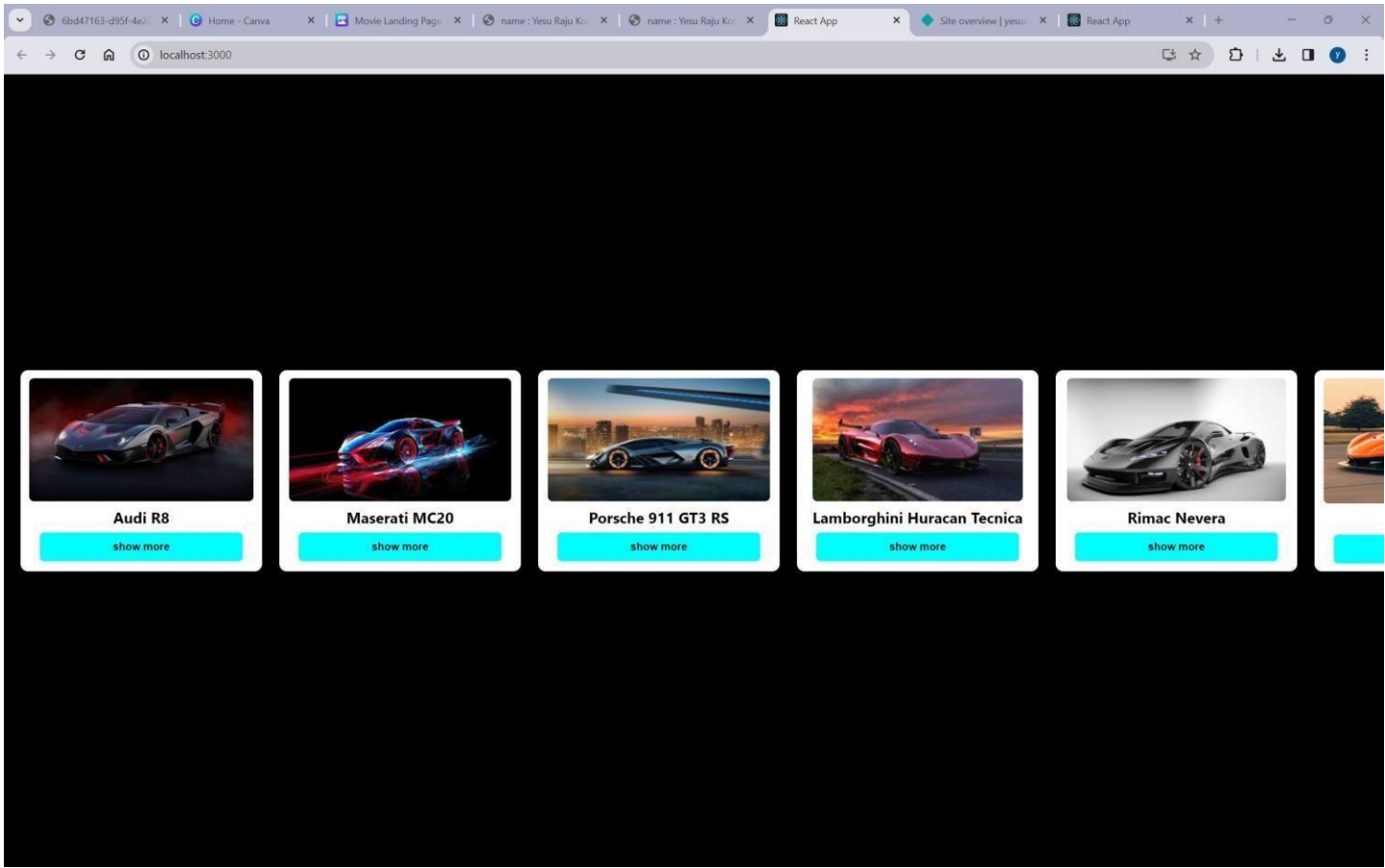
2 . Passing this card array to child (card component) of App component by using props;

3 . getting data as argument like {card} in card component.
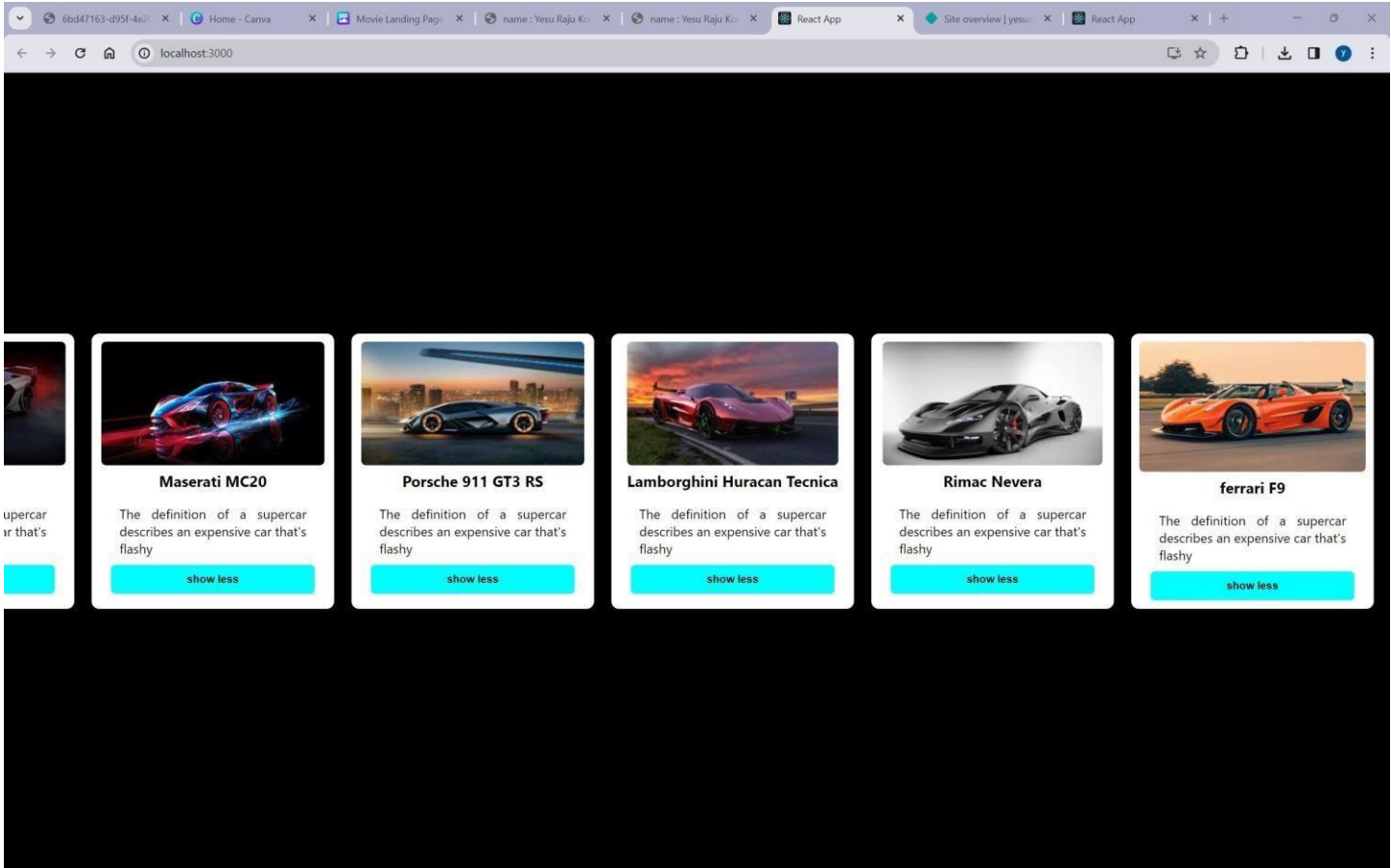
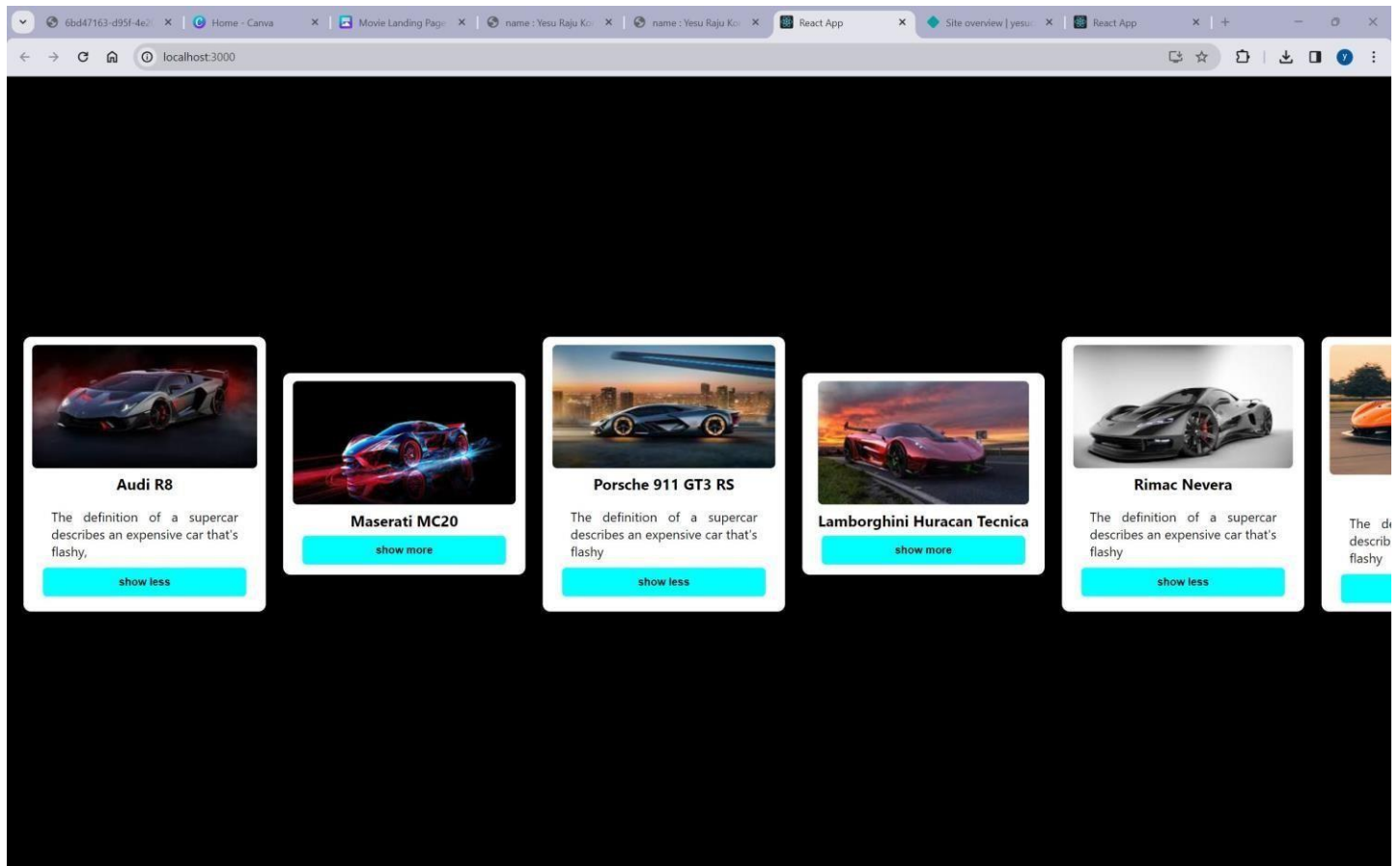**4 . in card component i use one state [show, set Show] to get extra info as description.**

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

OUTPUT:

AFTER BUTTON CLICKS:

GitHub link:

https://github.com/4727yesuraju/card live

demo: https://yesucard.netlify.app