React.js Component Creation

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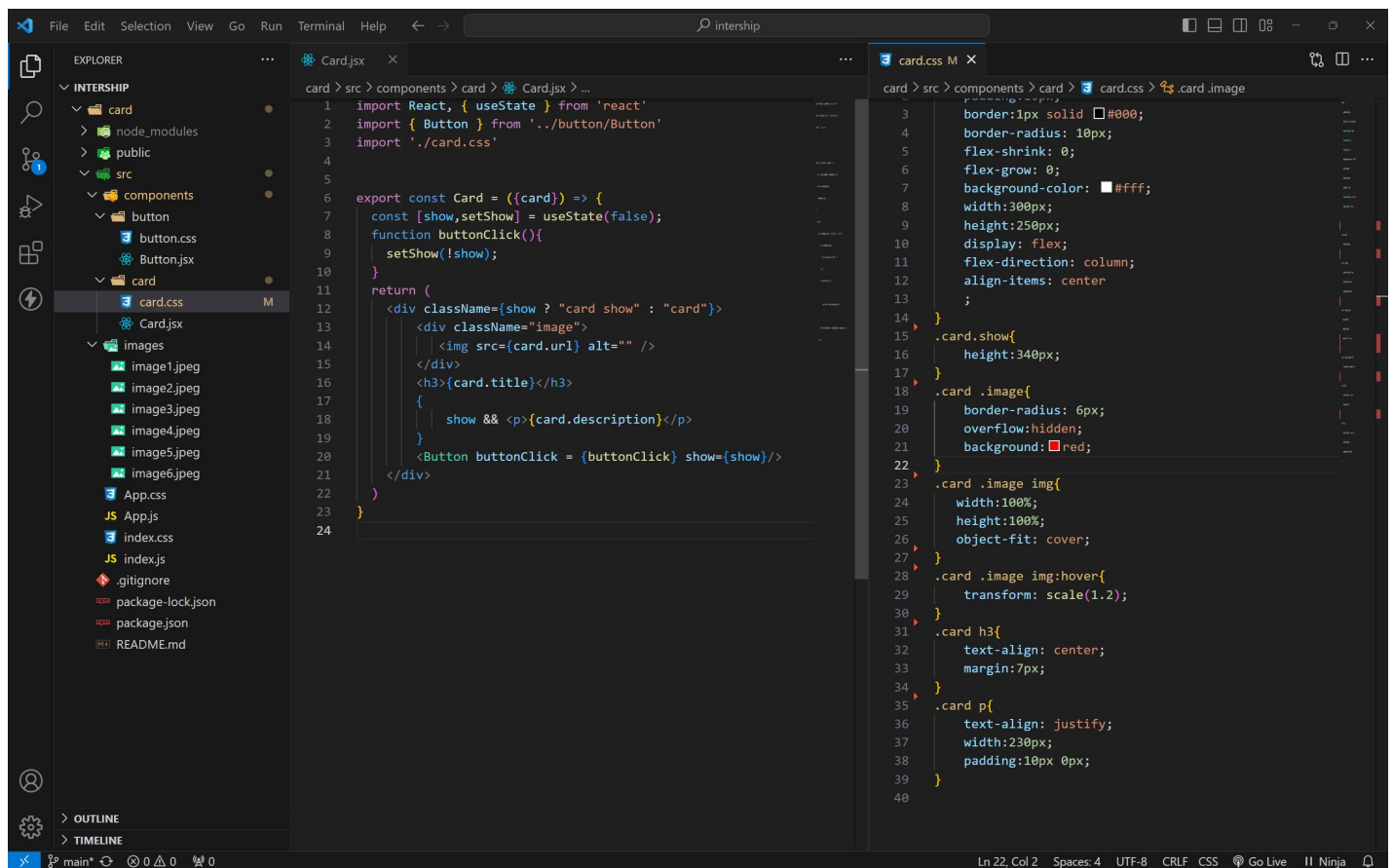
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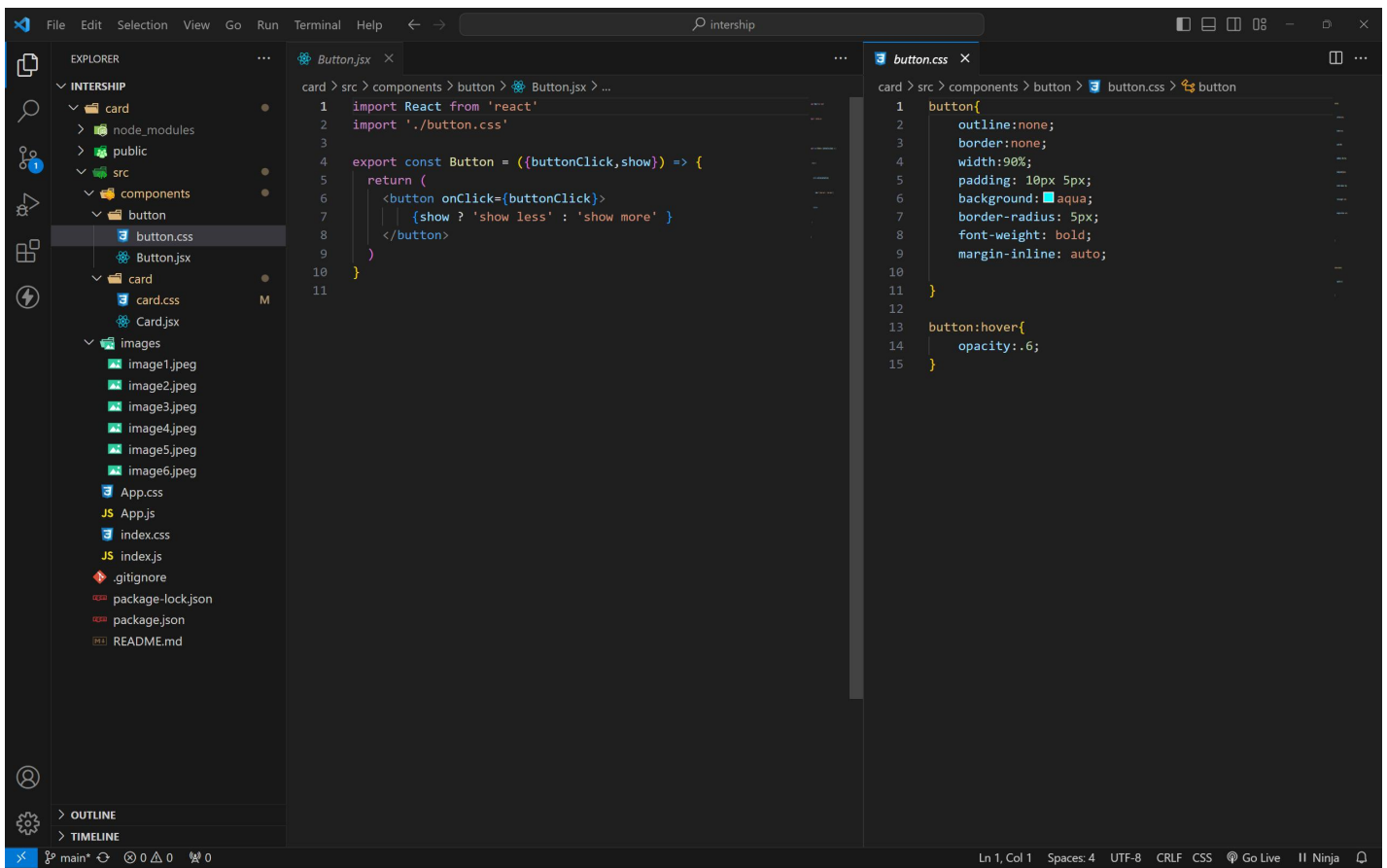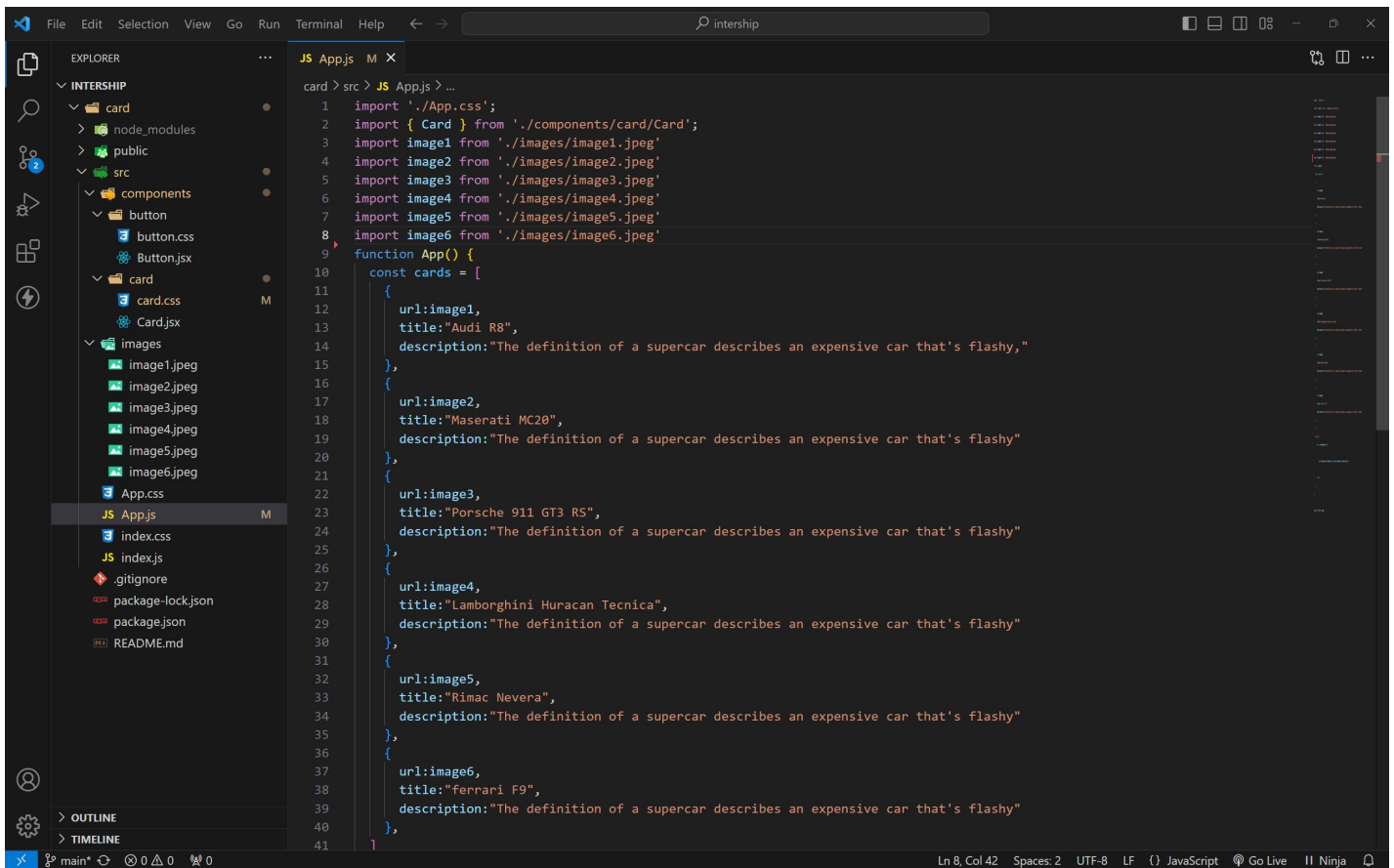
source code :
CARD COMPONENT :


```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"
    },
```
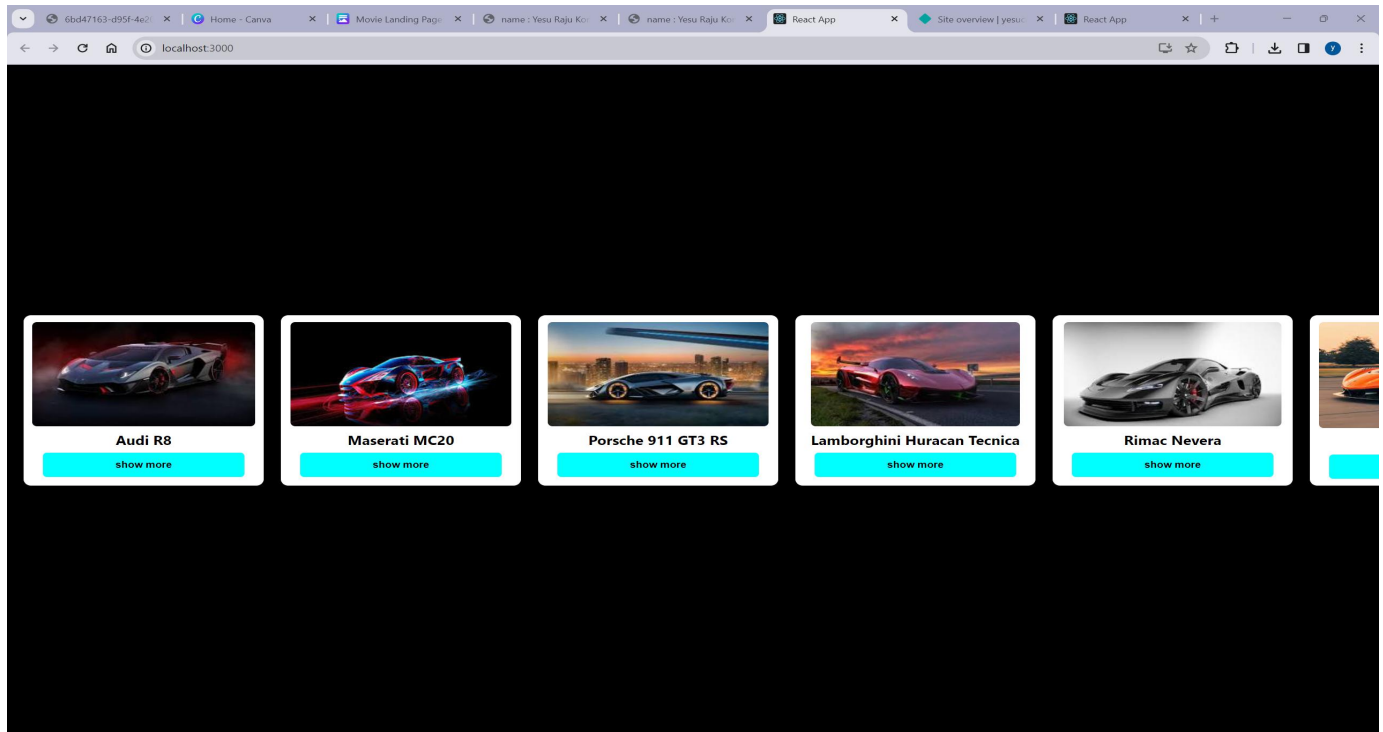
approach :
1 . initially taking an array of objects like below

```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, 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 :

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