

# React.js Component Creation

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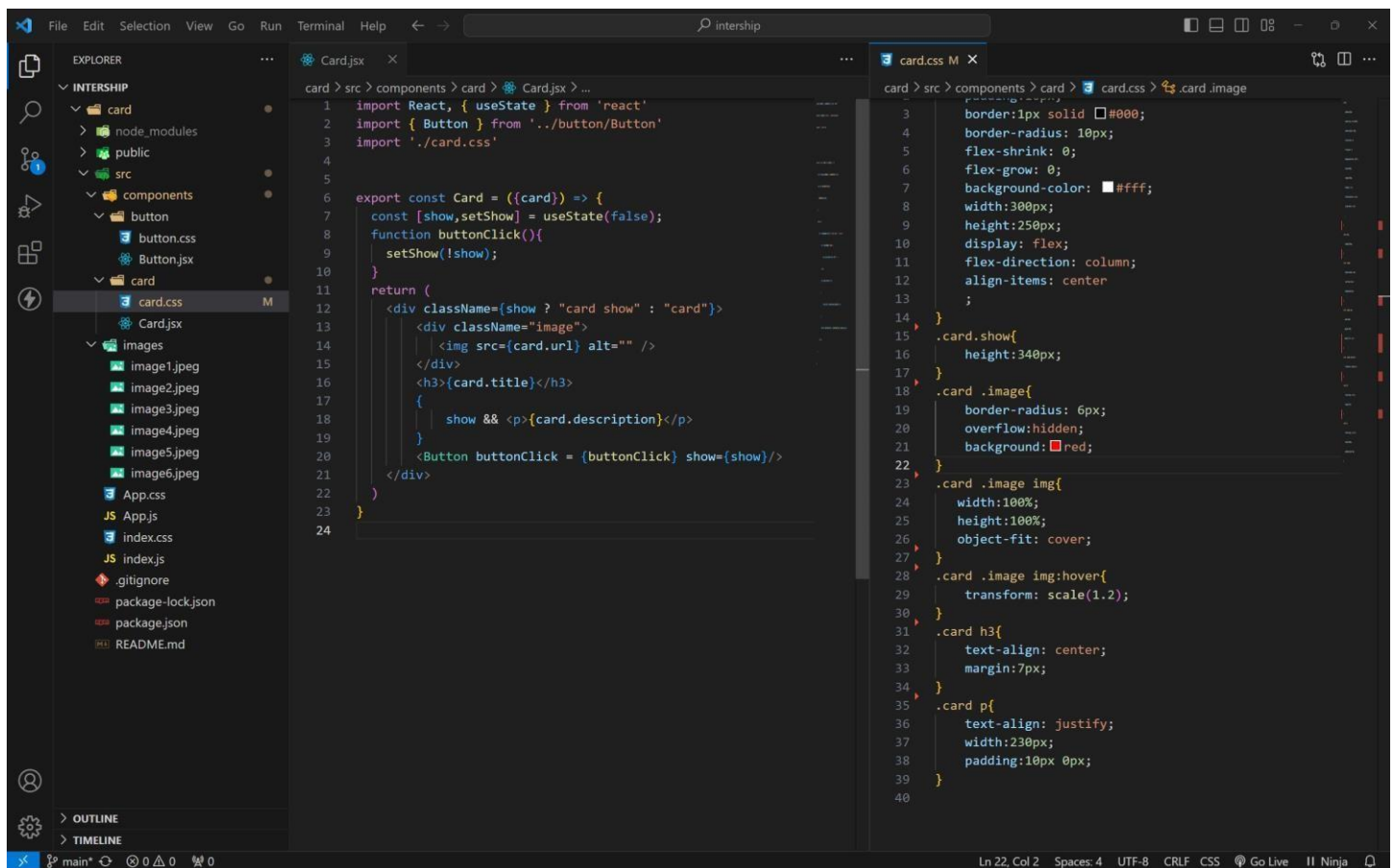
Roll NO: 20NN1A05E6

College Name: Vignan's Nirula Institute of Technology and Science For women

University: JNTUK

source code:

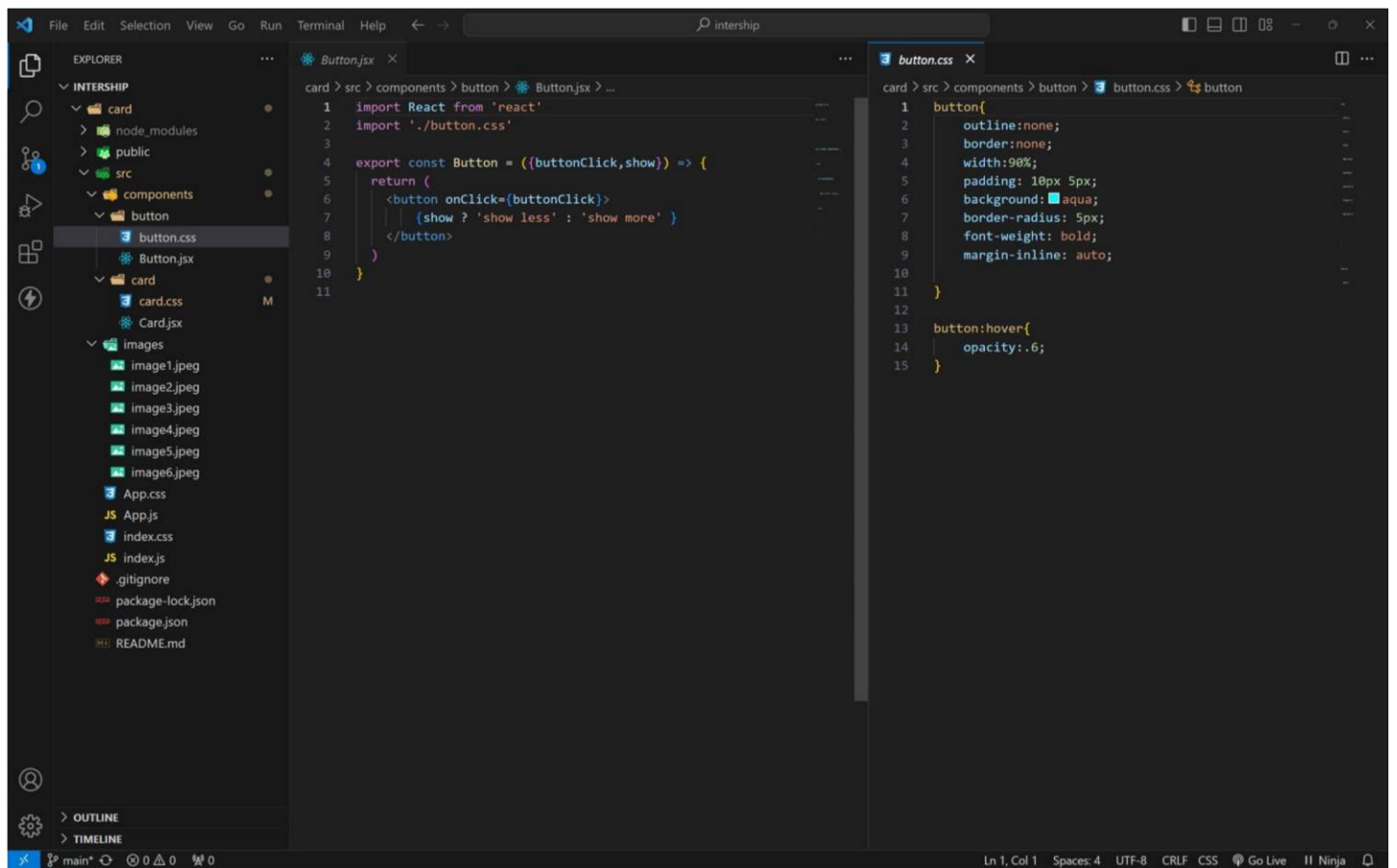
## CARD COMPONENT:



```
card > src > components > card > Card.jsx > ...
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  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:



**APP COMPONENT:**

File Edit Selection View Go Run Terminal Help

intership

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

JS App.js

index.css

JS index.js

.gitignore

package-lock.json

package.json

README.md

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 ]

Ln 8, Col 42 Spaces: 2 UTF-8 LF {} JavaScript Go Live II Ninja

File Edit Selection View Go Run Terminal Help

intership

EXPLORER

INTERSHIP

card

node\_modules

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button.css

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image1.jpeg

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image6.jpeg

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JS App.js

index.css

JS index.js

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package-lock.json

package.json

README.md

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 }

50 }

51 export default App;

52 }

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

powerShell powerShell node card

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**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"
  },
]
```

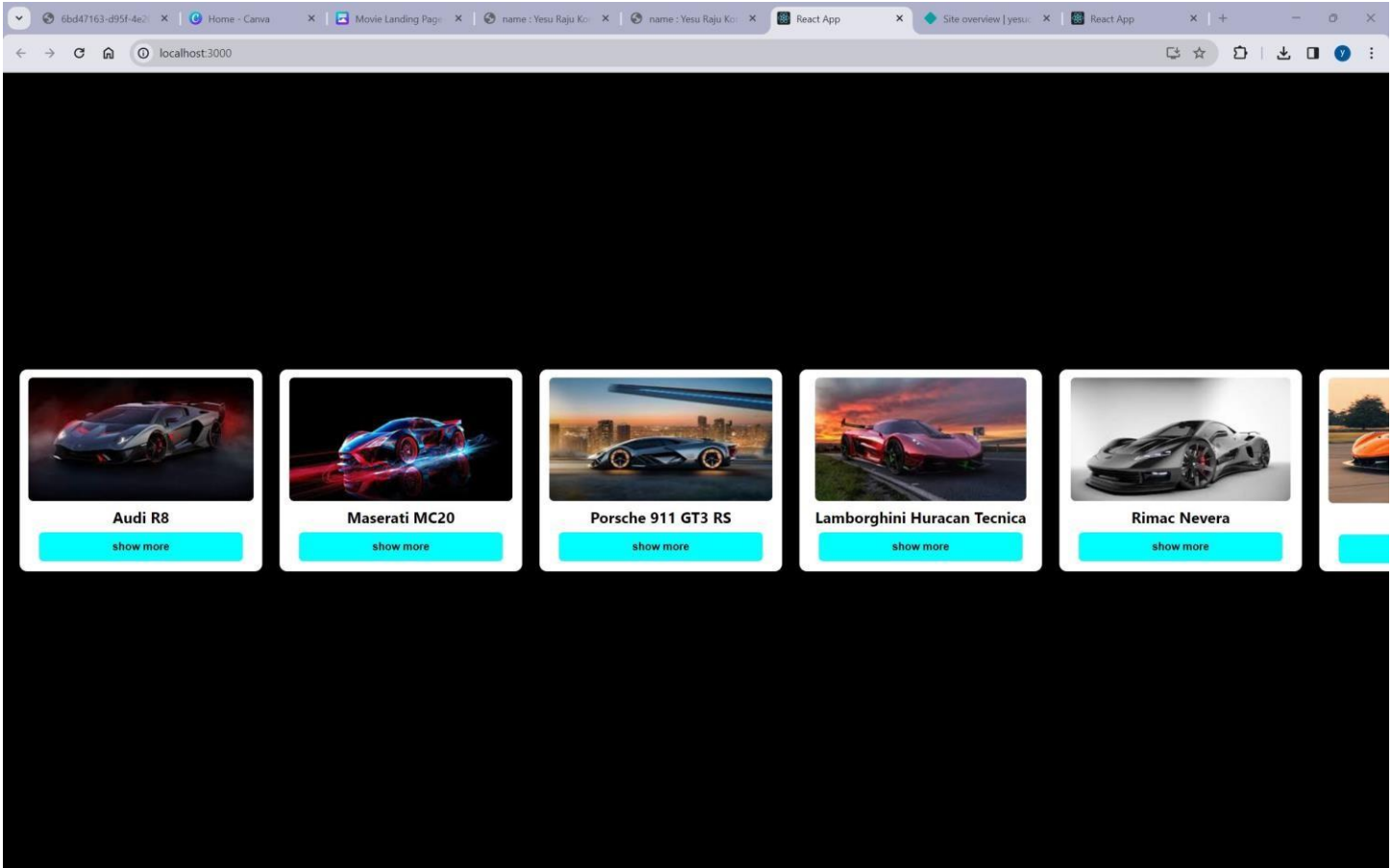
**1 . Passing this card array to child (card component) of App component by using props.**

**2 . getting data as argument like {card} in card component.**

**3 . in card component i use one state [show, set Show] to get extra info as description.**

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




upercar  
ar that's



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

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

