

React.js Component Creation

Name : ANTHU DIYANDRA PICHIAH

Email : babianthu@gmail.com

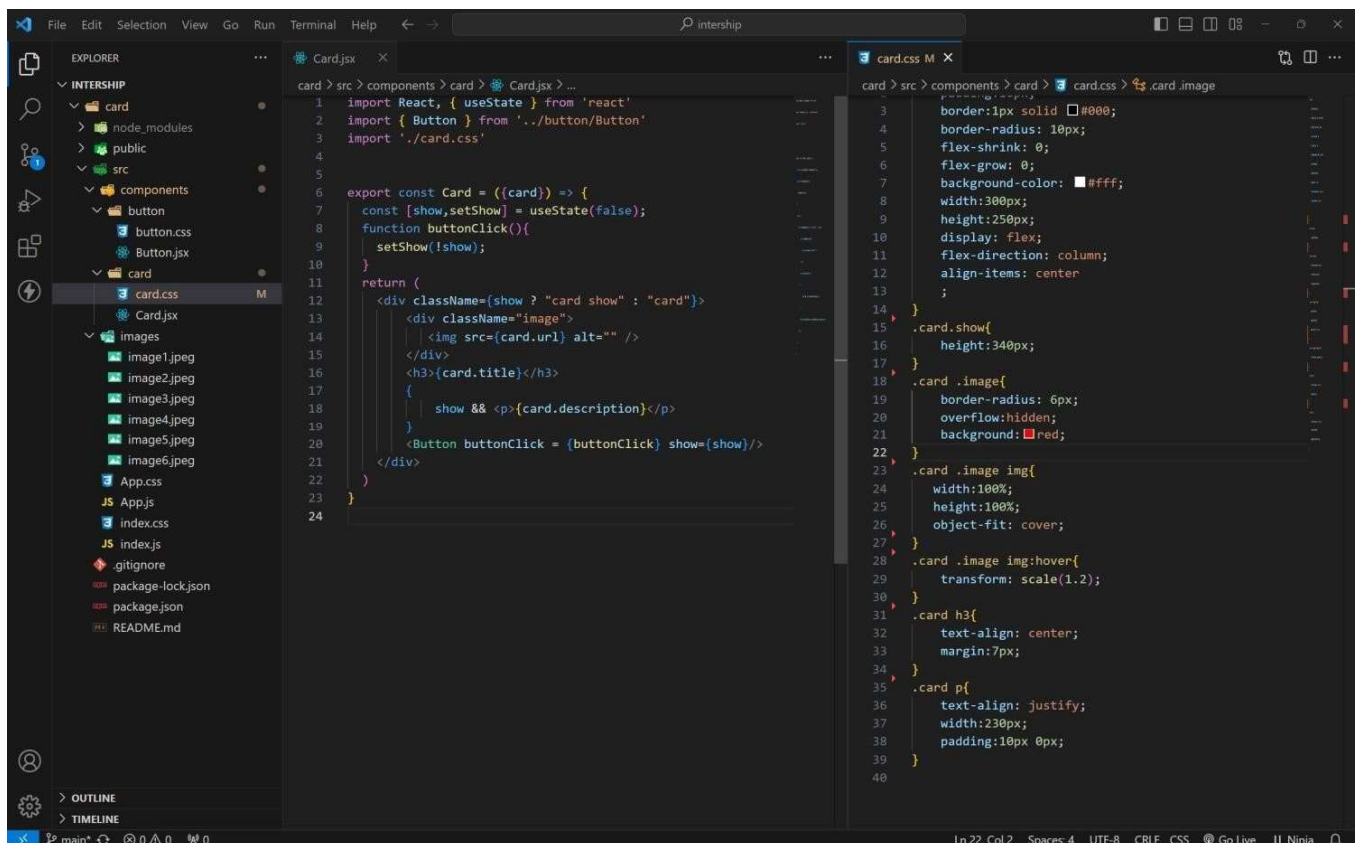
Phone no : 6304979994

Roll NO : 21HU5A0401

College Name : Chebrolu engineering college

Source Code:

CARD COMPONENT:



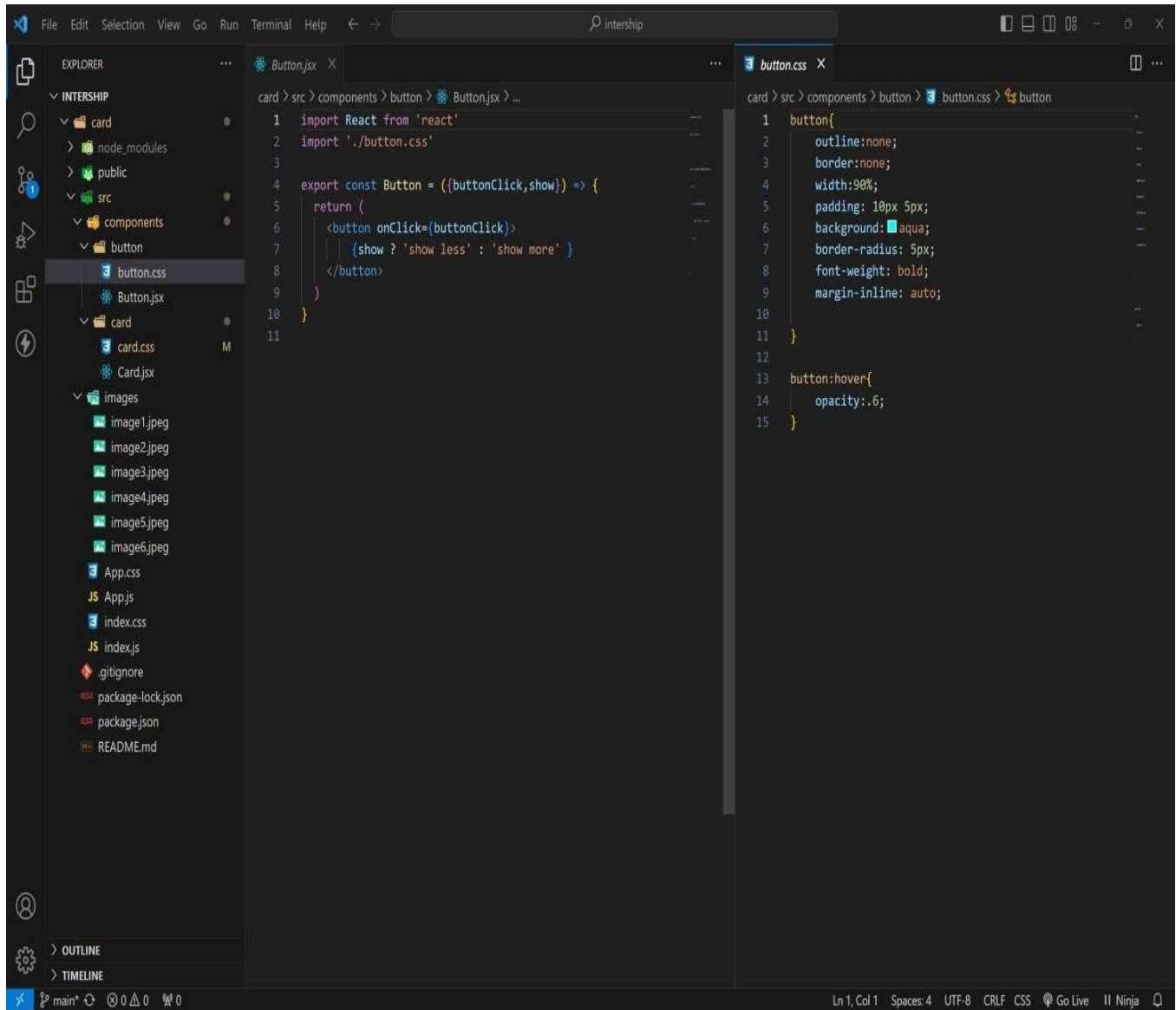
```
File Edit Selection View Go Run Terminal Help intership
EXPLORER
INTERSHIP
  card
  node_modules
  public
  src
  components
    button
    button.css
    Button.jsx
    card
      card.css
      Card.jsx
    images
      image1.jpeg
      image2.jpeg
      image3.jpeg
      image4.jpeg
      image5.jpeg
      image6.jpeg
  App.css
  JS App.js
  index.css
  JS index.js
  .gitignore
  package-lock.json
  package.json
  README.md

OUTLINE
TIMELINE

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:300px;
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:

The image displays a VS Code editor window with the following components:

- EXPLORER:** Shows the project structure. The `src` directory contains `components` (with `button` and `card` subdirectories), `images` (with `image1.jpeg` through `image6.jpeg`), `App.css`, `App.js`, `index.css`, and `index.js`.
- Editor:** Shows the `App.js` file. The code imports `App.css` and `Card` from `./components/card/Card`. It also imports six image files from the `./images` directory. The `App` function defines an array of car data and returns a JSX element using `cards.map` to render `Card` components. The `export default App` statement is at the bottom.
- App.css:** Shows the CSS file with a `*{}` selector for general styling (margin, padding, box-sizing, transition) and a `.app{}` selector for the main container (height, padding, display, flex, justify-content, align-items, gap, overflow, background).
- Terminal:** Shows the output of the development build. It indicates that the application was compiled successfully and is now running on `http://localhost:3000`. It also provides the network URL `http://192.168.1.10:3000`. A note mentions that the development build is not optimized and suggests using `npm run build` for a production build. The terminal also shows `webpack compiled successfully`.

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"  
  },  
]
```

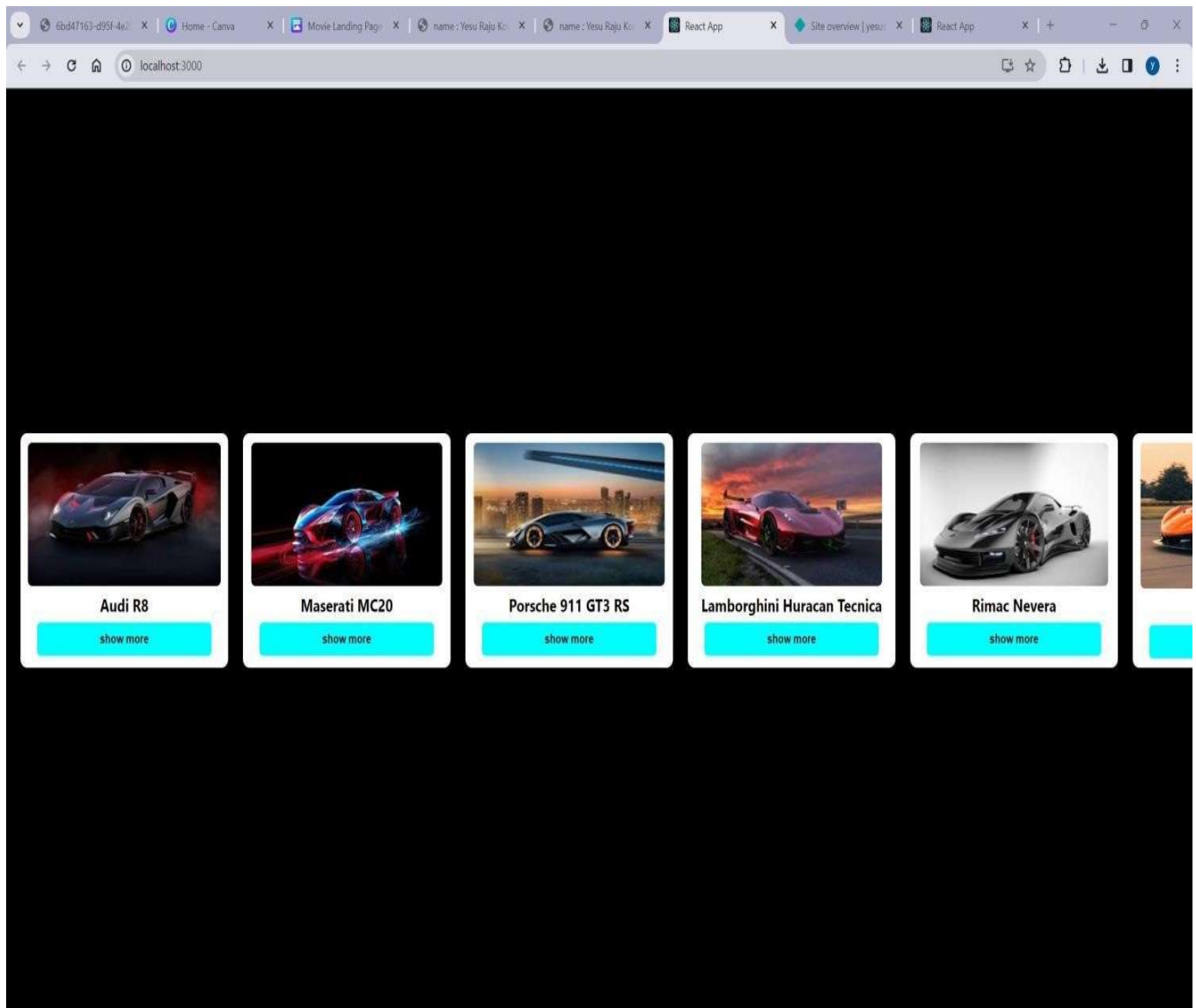
2 . Passing this card array to child (card component) of App component by using props;

3 . getting data as argument like {card} in card component.


4 . in card component i use one state [show, 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:



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



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

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Rimac Nevera

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ferrari F9

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show less