React.js Component Creation

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SOURCE CODE

Card component

Card. jsx :

```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>
  )
}
```

Card.css:

```css
.card{
    padding:5px;
    border:1px solid gray;
    border-radius: 10px;
    flex-shrink: 0;
    flex-grow: 0;
    background-color:whitesmoke;
    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

Button.jsx :

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

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

Button.css :

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

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

App Component :
App .js

```js
import './App.css';
import { Card } from './components/card/Card';
```

```jsx
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:"Ninja H2R",
      description:"The Kawasaki Ninja H2R is powered by 998cc BS6 engine which develops a power of 305.75
                  bhp and a torque of 165 Nm"
    },
    {
      url:image2,
      title:"Hayabusa y2k",
      description:"MTT's Y2K bike was recognized by Guinness World Records as the most expensive production
                  motorcycle ever to go on sale"
    },
    {
      url:image3,
      title:"Ducati v4",
      description:"The Ducati Panigale V4 is a sport bike with a 1,103 cc (67.3 cu in) desmodromic 90° V4
engine"
    },
    {
      url:image4,
      title:"Barbus 1300R",
      description:"With its 'badass' design and exclusive high-end elegance, the BRABUS 1300 R is
                  unmistakably BRABUS"
    },
    {
      url:image5,
      title:"BMW 1000rr",
      description:"he BMW S 1000 RR is powered by 999cc BS6 engine"
    },
    {
      url:image6,
      title:"Yamaha MT-15",
      description:"The Yamaha MT 15 is powered by a 155 cc air-cooled engine which produces 18.4 PS @ 10000
                  rpm of power."
    },
  ]
  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:black;
}
```

Approach :

1 . initially taking an array of objects like below

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.

Output :