**ASSIGNMENT - 2**

**React.js Component Creation**

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**SOURCE CODE**

**Cardcomponent**

**Card. jsx :**

importReact, { useState } from'react'

import{ Button } from'../button/Button'

import'./card.css'

exportconstCard= ({card}) => {

  const [show,setShow] =useState(false);

  functionbuttonClick(){

    setShow(!show);

  }

  return (

    <divclassName={show ? "card show" :"card"}>

        <divclassName="image">

           <imgsrc={card.url}alt=""/>

        </div>

        <h3>{card.title}</h3>

        {

            show&&<p>{card.description}</p>

        }

        <ButtonbuttonClick={buttonClick}show={show}/>

    </div>

  )

}

Card.css:

.card{

    padding:5px;

    border:1pxsolidgray;

    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.imageimg{

   width:100%;

   height:100%;

   object-fit:cover;

}

.card.imageimg:hover{

    transform: scale(1.2);

}

.cardh3{

    text-align: center;

    margin:7px;

}

.cardp{

    text-align: justify;

    width:230px;

    padding:10px0px;

}

**Button component**

Button.jsx :

importReactfrom'react'

import'./button.css'

exportconstButton= ({buttonClick,show}) => {

  return (

    <buttononClick={buttonClick}>

        {show ?'see less' :'see more'}

    </button>

  )

}

Button.css :

button{

    outline:none;

    border:none;

    width:90%;

    padding: 10px5px;

    background:yellow;

    border-radius: 5px;

    font-weight: bold;

    margin:auto;

}

button:hover{

    opacity:.6;

}

App Component :

App .js

import'./App.css';

import{ Card } from'./components/card/Card';

importimage1from'./images/image1.jpeg'

importimage2from'./images/image2.jpeg'

importimage3from'./images/image3.jpeg'

importimage4from'./images/image4.jpeg'

importimage5from'./images/image5.jpeg'

importimage6from'./images/image6.jpeg'

functionApp() {

  constcards= [

    {

      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 (

     <divclassName="app">

       {

         cards.map((card,index)=><Cardkey={index}card={card}/>)

       }

     </div>

  );

}

exportdefaultApp;

App.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.initiallytakinganarrayofobjectslikebelow**

**2.Passingthiscardarraytochild(cardcomponent)ofAppcomponent**

**byusingprops;**

**3.gettingdataasargumentlike{card}incardcomponent.**

**4.incardcomponentiuseonestate[show,setShow]togetextrainfoas**

**description.**

1. **when we click the button then show becomes true by assigning.**

Output :



