

ASSIGNMENT-2

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COLLEGE: SRI VENKATESWARA ENGINEERING COLLEGE , TIRUPATI

React.js Component Creation

Source Code:

CardComponent.jsx:

```
import React, { useState } from 'react';
import './card.css';

export default function CardComponent({ img, title, nation, description }) {
  const [isExpanded, setIsExpanded] = useState(false);

  const handleToggle = () => {
    setIsExpanded(!isExpanded);
  };

  return (
    <div className='shadow-xl border-blue-500/30 border-2 rounded w-64'>
      <div className='h-98'>
        <img src={img} alt={`Avatar ${title}`} />
      </div>
      <div className='p-4'>
        <h1 className='text-xl font-bold'>{title}</h1>
        <h2 className='text-l font-bold text-blue-500'>{nation}</h2>
        <p className={`text-sm ${isExpanded ? 'visible' : 'hidden'}`}>{description}</p>
        <br />
        <button onClick={handleToggle} className='your-class-name'>
          {isExpanded ? 'Know Less' : 'Know More '}
        </button>
      </div>
    </div>
  );
}
```

```
    </div>
  );
}
```

ButtonComponent.jsx:

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

export const Button = ({ buttonClick, show }) => {
  return (
    <button onClick={buttonClick} className="shadow-xl border-blue-1000/30 border-2 rounded w-64">
      {show ? 'Read less' : 'Read more'}
    </button>
  );
}
```

button.css:

```
button{
  outline:none;
  border:none;
  width:90%;
  padding: 10px 5px;
  background:rgb(36, 54, 144);
  border-radius: 5px;
  font-weight: bold;
  margin-inline: auto;
  color: aliceblue;
}

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

page.js:

```
"use client"
import React, { useState } from 'react';
import CardComponent from "@components/CardComponent";
import { Button } from "@components/ButtonComponent";

export default function Home() {
  const [cards, setCards] = useState([

    {
      img: "https://ew.com/thmb/W2tbe-
_9AOKaFfctT8WmnMM0UfA=/1500x0/filters:no_upscale():max_bytes(150000):strip_icc()/korra_5-
729b4a8b005042b4bfd4e62742dc8bc6.jpg",
      title: "Avatar Korra",
      nation: "Water Tribe",
      description: "Korra was the Avatar, living in a time following Aang's era. Born in the Southern
Water Tribe, she exhibited early proficiency in bending all four elements. Korra's journey involved
mastering the spiritual and physical aspects of being the Avatar. Facing political unrest, anti-
bending movements, and spiritual challenges, she worked to bring balance to a world undergoing
significant changes. Korra's resilience, growth, and ability to confront unprecedented threats marked
her as a unique and powerful Avatar in her own right.",
      isExpanded: false,
    },
    {
      img: "https://static1.cbrimages.com/wordpress/wp-content/uploads/2020/08/Aang-Avatar-State-
Roku.jpg",
      title: "Avatar Roku",
      nation: "Fire Nation",
      description: "Roku was the Avatar, having lived a few decades prior to Aang's time. After facing
challenges in maintaining balance between the Fire Nation and the other nations, Roku dedicated
himself to preserving harmony. His lifelong friendship with Fire Lord Sozin complicated matters,
ultimately leading to a confrontation that shaped the destiny of the Avatar cycle.",
      isExpanded: false,
    },
    {
      img: "https://static1.cbrimages.com/wordpress/wp-content/uploads/2020/05/Shadow-of-Kyoshi-Rangi-
Avatar-1.png",
      title: "Avatar Kyoshi",
      nation: "Earth Kingdom",
      description: "Kyoshi was the Avatar, having lived several centuries before Aang's time. Born on
the Kyoshi Island, she faced challenges in asserting the independence of her homeland. Renowned for
her strength and determination, Kyoshi established the Kyoshi Warriors and confronted various
threats, leaving a lasting legacy as a formidable and uncompromising Avatar.    ",
      isExpanded: false,
    },
  ],
```


```

{
  img: "https://wallpapers.com/images/featured/avatar-aang-8x73wwvp9qx11vtq.jpg",
  title: "Avatar Aang",
  nation: "Air Temple",
  description: "Aang was the last Airbender, who was frozen in an iceberg for a hundred years, he
awoke to a world engulfed in war. Aang, the Avatar, embarked on a journey to master all four elements
and bring an end to the conflict by defeating fire lord Ozai, fulfilling his destiny as the savior of
the world.",
  isExpanded: false,
},
{
  img: "https://i.redd.it/x1tumpz5x2031.jpg",
  title: "Avatar Wan",
  nation: "Fire Lion Turtle",
  description: "Wan was the first Avatar, having lived ten thousand years prior to Avatar Korra's
time. After being banished from his home, he learned to coexist with the spirits and decided to help
bring balance between them and the rest of mankind, a quest that eventually led to him becoming the
first Avatar.",
  isExpanded: false,
},
{
  img: "https://i.pinimg.com/736x/40/e2/87/40e2873f1321088922ebb97c3df301d2.jpg",
  title: "Avatar Kuruk",
  nation: "Water Tribe",
  description: "Kuruk was the Avatar, known for his carefree and laid-back attitude, Kuruk
initially embraced a carefree lifestyle. However, after the abduction of his wife by spirits, he
became more focused on his duties as the Avatar. Kuruk's experiences served as a lesson about the
responsibilities that come with the Avatar's power, and he left a legacy that highlighted the
importance of balance and vigilance.",
  isExpanded: false,
},
{
  img: "https://cdn.vox-
cdn.com/thumbor/_6rGnrYs9LzNKC7l38MlgKLMFt8=/0x353:1688x1628/1200x675/filters:focal(523x513:793x783)/
cdn.vox-cdn.com/uploads/chorus_image/image/72340007/LegacyYangchen.0.jpg",
  title: "Avatar Yangchen",
  nation: "Air Temple",
  description: "Yangchen was the Avatar, known for her strong sense of duty, Yangchen dedicated
herself to maintaining balance in a world filled with conflicts between nations and spirits. She
faced numerous challenges, asserting the importance of the Avatar's role in upholding harmony.
Yangchen's wisdom and commitment left a profound impact on the Avatar legacy, emphasizing the need
for a harmonious coexistence between the physical and spiritual realms.",
  isExpanded: false,
},
]);

const handleClick = (index) => {
  const updatedCards = [...cards];


```


Output:




Avatar Roku
Fire Nation

Know More




Avatar Kyoshi
Earth Kingdom

Know More




Avatar Aang
Air Temple

Know More




Avatar Wan
Fire Lion Turtle

Know More




Avatar Kuruk
Water Tribe

Know More




Avatar Yangchen
Air Temple

Know More



Avatar Roku
Fire Nation


Know More



Avatar Kyoshi
Earth Kingdom

Kyoshi was the Avatar, having lived several centuries before Aang's time. Born on the Kyoshi Island, she faced challenges in asserting the independence of her homeland. Renowned for her strength and determination, Kyoshi established the Kyoshi Warriors and confronted various threats, leaving a lasting legacy as a formidable and uncompromising Avatar.

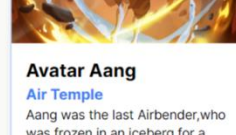
Know Less



Avatar Aang
Air Temple

Aang was the last Airbender, who was frozen in an iceberg for a hundred years, he awoke to a world engulfed in war. Aang, the Avatar, embarked on a journey to master all four elements and bring an end to the conflict by defeating fire lord Ozai, fulfilling his destiny as the savior of the world.

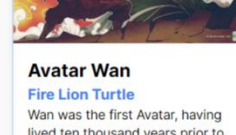
Know Less



Avatar Wan
Fire Lion Turtle


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Know Less



Avatar Kuruk
Water Tribe

Know More



Avatar Yangchen
Air Temple

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Avatar Roku
Fire Nation

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Avatar Kyoshi
Earth Kingdom

[Know More](#)



Avatar Aang
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Avatar Wan
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Avatar Kuruk
Water Tribe

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