

## ASSIGNMENT-2

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### Assignment Details

Card component:

Create a reusable card component that displays information such as a title,description,and an optional image. The card should have a consistent layout and styling.

Button component:

Create a reusable button component that be customized with different styles and text.The button should be clickable and visually indicate when it is being hovered over or clicked .

Component integration:

Integrate the card and button components into a sample React application. Use these components to display a list of cards with buttons.

# CARD COMPONENT :

## REACT JS CODE

```
// Card.js
```

```
import React from 'react';
```

```
import './Card.css'; // Assuming you have a Card.css file
```

```
function Card({ imgSrc, imgAlt, title, description, buttonText, link }) {  
  return (  
    <div className="card">
```

```
      <img src={imgSrc} alt={imgAlt} />  
      <div className="card-body">
```

```
        <h2>{title}</h2>
```

```
        <p>{description}</p>
```

```
        <a href={link}>{buttonText}</a>
```

```
      </div>
```

```
    </div>
```

```
  );
```

```
}
```

```
export default Card;
```

we can submit css code to make it look better

internal work of card component is done on react js but the look of the card is depend on css code

## CSS CODE:

```
/* Card.css */

.card {
  border: 1px solid #ddd;
  border-radius: 8px;
  overflow: hidden;
  margin: 16px;
  width: 300px; /* Adjust the width as needed */
}

.card img {
  width: 100%;
  height: auto;
}

.card-body {
  padding: 16px;
}

.card-body h2 {
  margin-bottom: 8px;
}

.card-body p {
  color: #555;
}

.card-body a {
  display: inline-block;
  padding: 8px 16px;
  background-color: #007bff;
  color: #fff;
  text-decoration: none;
  border-radius: 4px;
  margin-top: 8px;
}
```

# BUTTON COMPNET :

## Creating button compnet :

```
// Button.js
import React from 'react';

const Button = ({ label, onClick }) => (
  <a href="#" onClick={onClick} className="card-button">
    {label}
  </a>
);

export default Button;
```

## Integrating button compnet into my card componet :

```
// Card.js
import React from 'react';
import Button from './Button'; // Make sure to adjust the path based on your
project structure

const Card = ({ title, description, imageUrl, buttonLabel, onButtonClick }) => (
  <div className="card">
    <img src={imageUrl} alt="Card Image" />
    <div className="card-body">
      <h2>{title}</h2>
      <p>{description}</p>
      <Button label={buttonLabel} onClick={onButtonClick} />
    </div>
  </div>
);

export default Card;
```



## Styling the button compnet :

*/\* Add this to your existing CSS file or create a new one \*/*

```
.card-button {
  display: inline-block;
  padding: 8px 16px;
  background-color: #007bff;
  color: #fff;
  text-decoration: none;
  border-radius: 4px;
  margin-top: 8px;
}

.card-button:hover {
  background-color: #0056b3;
}
```

## Using button componet in our application :

```
// App.js or any other component where you want to use the Card
import React from 'react';
import Card from './Card'; // Adjust the path based on your project structure

const App = () => {
  const handleButtonClick = () => {
    // Define the action you want to perform on button click
    console.log('Button clicked!');
  };

  return (
    <div>
      <Card
        title="Example Card"
        description="This is a sample card description."
        imageUrl="https://example.com/image.jpg"
        buttonLabel="Click me"
        onClick={handleButtonClick}
      />
    </div>
  );
};

export default App;
```

## CONCLUSION :

the provided code establishes a flexible and visually appealing Card component for displaying content. The component incorporates responsive styling, an image, title, description, and a customizable button. The integration of a Button component enhances modularity and allows for seamless interaction within the Card. By following this approach, the code promotes maintainability, reusability, and a clean separation of concerns, contributing to an organized and efficient React application structure.

## THE LOOK OF MY CARD COMPONENT :

