

# 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 can 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 handleClick = () => {  
    // 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={handleClick}  
      />  
    </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 :

