

# React.js Component Creation Assignment

## **Overview:**

In this assignment, you will create reusable components like card components and buttons using React.js. You will apply your knowledge of JSX syntax, component structure, and state management to build these components.

## **Objective:**

The objective of this assignment is to familiarize yourself with React.js and practice creating reusable components. By completing this assignment, you will gain hands-on experience in building user interface elements using React.js.

## **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.

## **Guidelines:**

Use functional components to create the card and button components.

Use props to pass data and event handlers to the components.

Use CSS or a CSS-in-JS library like styled-components to style the components.

Ensure that the components are reusable and can be easily customized with different data and styles.

## **Submission Requirements:**

Submit the code for the card and button components, as well as the integrated sample application.

Include a brief description of how you approached the assignment and any challenges you encountered.

## **Assignment Criteria:**

**Component Reusability:** Are the card and button components reusable and customizable?

**Component Structure:** Is the component structure well-organized and easy to understand?

**Styling:** Are the components styled appropriately and visually appealing?

**Functionality:** Do the components function as expected, including handling click events and displaying data?

## **Conclusion:**

In conclusion, this assignment has provided you with practical experience in creating components using React.js. By completing this assignment, you have gained a deeper understanding of React.js fundamentals and how to apply them to real-world projects.

## **Examples:**

some examples of websites that use card components effectively to create simple and seamless user interfaces: Pinterest, Airbnb, Medium, Dribbble.