**ASSIGNMENT-2**

**Page.js**

"use client"

import React from 'react';

import Card from './components/Card';

import Button from './components/Button';

const App = () => {

return (

<div>

<h1>Sample React Application</h1>

<div style={{ display: 'flex', justifyContent: 'center' }}>

<Card

title="Example Card 1"

description="This is a sample card component with a button."

imageUrl="https://cdni.autocarindia.com/Utils/ImageResizer.ashx?n=https://cms.haymarketindia.net/model/uploads/modelimages/Mercedes-Benz-GLC-110820231043.jpg"

>

<Button text="Click me" onClick={() => alert('Button clicked!')} />

</Card>

<Card

title="Example Card 2"

description="This is another sample card component with a button."

imageUrl="https://imgd-ct.aeplcdn.com/664x415/n/cw/ec/129907/q3-right-front-three-quarter.jpeg"

>

<Button

text="Click me too"

onClick={() => alert('Another button clicked!')}

backgroundColor="#28a745"

hoverBackgroundColor="#218838"

/>

</Card>

</div>

</div>

);

};

export default App;

**card.jsx**

import React from 'react';

import PropTypes from 'prop-types';

import styled from 'styled-components';

const CardContainer = styled.div`

border: 1px solid #ccc;

border-radius: 8px;

padding: 16px;

margin: 16px;

width: 300px;

`;

const CardTitle = styled.h2`

margin-bottom: 8px;

`;

const CardDescription = styled.p`

color: #666;

`;

const CardImage = styled.img`

width: 100%;

height: auto;

border-radius: 8px;

`;

const Card = ({ title, description, imageUrl }) => {

return (

<CardContainer>

<CardTitle>{title}</CardTitle>

{imageUrl && <CardImage src={imageUrl} alt={title} />}

<CardDescription>{description}</CardDescription>

</CardContainer>

);

};

Card.propTypes = {

title: PropTypes.string.isRequired,

description: PropTypes.string.isRequired,

imageUrl: PropTypes.string,

};

export default Card;

**Button.jsx**

import React from 'react';

import PropTypes from 'prop-types';

import styled from 'styled-components';

const ButtonElement = styled.button`

background-color: ${(props) => props.backgroundColor || '#007bff'};

color: ${(props) => props.color || '#fff'};

border: none;

border-radius: 4px;

padding: 8px 16px;

cursor: pointer;

transition: background-color 0.3s;

&:hover {

background-color: ${(props) => props.hoverBackgroundColor || '#0056b3'};

}

`;

const Button = ({ onClick, text, backgroundColor, color, hoverBackgroundColor }) => {

return (

<ButtonElement

onClick={onClick}

backgroundColor={backgroundColor}

color={color}

hoverBackgroundColor={hoverBackgroundColor}

>

{text}

</ButtonElement>

);

};

Button.propTypes = {

onClick: PropTypes.func.isRequired,

text: PropTypes.string.isRequired,

backgroundColor: PropTypes.string,

color: PropTypes.string,

hoverBackgroundColor: PropTypes.string,

};

export default Button;

