// ThemeContext.js

import React, { createContext, useState } from 'react';

export const ThemeContext = createContext();

export const ThemeProvider = ({ children }) => {

const [theme, setTheme] = useState('light'); // Default to light

const toggleTheme = () =>

setTheme(prev => (prev === 'light' ? 'dark' : 'light'));

return (

<ThemeContext.Provider value={{ theme, toggleTheme }}>

{children}

</ThemeContext.Provider>

);

};

// App.js

import React from 'react';

import { ThemeProvider } from './ThemeContext';

import EmployeeList from './components/EmployeeList';

function App() {

return (

<ThemeProvider>

<div style={{ padding: 20 }}>

<h1>Employee Management App</h1>

<EmployeeList />

</div>

</ThemeProvider>

);

}

export default App;

// components/EmployeeList.js

import React, { useContext } from 'react';

import EmployeeCard from './EmployeeCard';

import { ThemeContext } from '../ThemeContext';

const employees = [

{ id: 1, name: 'Alice Johnson', role: 'Developer' },

{ id: 2, name: 'Bob Smith', role: 'Designer' },

];

const EmployeeList = () => {

const { toggleTheme } = useContext(ThemeContext);

return (

<div>

<button onClick={toggleTheme}>Toggle Theme</button>

{employees.map(emp => (

<EmployeeCard key={emp.id} employee={emp} />

))}

</div>

);

};

export default EmployeeList;

// components/EmployeeCard.js

import React, { useContext } from 'react';

import { ThemeContext } from '../ThemeContext';

const EmployeeCard = ({ employee }) => {

const { theme } = useContext(ThemeContext);

const cardStyle = {

backgroundColor: theme === 'light' ? '#fff' : '#333',

color: theme === 'light' ? '#000' : '#fff',

padding: '15px',

margin: '10px 0',

borderRadius: '5px',

};

const buttonStyle = {

backgroundColor: theme === 'light' ? '#007bff' : '#888',

color: '#fff',

border: 'none',

padding: '8px 12px',

borderRadius: '4px',

cursor: 'pointer',

};

return (

<div style={cardStyle}>

<h3>{employee.name}</h3>

<p>Role: {employee.role}</p>

<button style={buttonStyle}>Message</button>

</div>

);

};

export default EmployeeCard;

OUTPUT(UI behavior):

Toggle Theme button switches between light and dark.

All buttons and employee cards reflect the selected theme without prop-drilling.