

Sure! Here are three full examples demonstrating the usage of `useContext` in React:

Example 1: Theme Switcher

In this example, we'll create a simple theme switcher using React context and `useContext`.

```
``jsx
// ThemeContext.js
import React from 'react';

const ThemeContext = React.createContext();

export default ThemeContext;

// ThemeProvider.js
import React, { useState } from 'react';
import ThemeContext from './ThemeContext';

const ThemeProvider = ({ children }) => {
  const [theme, setTheme] = useState('light');

  const toggleTheme = () => {
    setTheme((prevTheme) => (prevTheme === 'light' ? 'dark' : 'light'));
  };

  return (
    <ThemeContext.Provider value={{ theme, toggleTheme }}>
      {children}
    </ThemeContext.Provider>
  );
};

export default ThemeProvider;

// ThemeToggler.js
import React, { useContext } from 'react';
import ThemeContext from './ThemeContext';

const ThemeToggler = () => {
  const { theme, toggleTheme } = useContext(ThemeContext);

  return (
    <button onClick={toggleTheme}>
      Toggle Theme ({theme})
    </button>
  );
};
```

```

    </button>
  );
};

export default ThemeToggler;

// App.js
import React from 'react';
import ThemeProvider from './ThemeProvider';
import ThemeToggler from './ThemeToggler';

const App = () => {
  return (
    <ThemeProvider>
      <ThemeToggler />
    </ThemeProvider>
  );
};

export default App;

```

Example 2: Language Switcher

In this example, we'll create a language switcher using React context and `useContext`.

```

````jsx
// LanguageContext.js
import React from 'react';

const LanguageContext = React.createContext();

export default LanguageContext;

// LanguageProvider.js
import React, { useState } from 'react';
import LanguageContext from './LanguageContext';

const LanguageProvider = ({ children }) => {
 const [language, setLanguage] = useState('en');

 const toggleLanguage = () => {
 setLanguage((prevLanguage) => (prevLanguage === 'en' ? 'fr' : 'en'));
 };

```

```

 return (
 <LanguageContext.Provider value={{ language, toggleLanguage }}>
 {children}
 </LanguageContext.Provider>
);
 };
};

```

```
export default LanguageProvider;
```

```
// LanguageToggler.js
```

```
import React, { useContext } from 'react';
```

```
import LanguageContext from './LanguageContext';
```

```
const LanguageToggler = () => {
 const { language, toggleLanguage } = useContext(LanguageContext);
```

```

 return (
 <button onClick={toggleLanguage}>
 Toggle Language ({language})
 </button>
);
};

```

```
export default LanguageToggler;
```

```
// App.js
```

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

```
import LanguageProvider from './LanguageProvider';
```

```
import LanguageToggler from './LanguageToggler';
```

```

const App = () => {
 return (
 <LanguageProvider>
 <LanguageToggler />
 </LanguageProvider>
);
};

```

```
export default App;
```

```
...
```

```
Example 3: Authentication
```

In this example, we'll create an authentication system using React context and `useContext`.

```
``jsx
// AuthContext.js
import React, { createContext, useState } from 'react';

const AuthContext = createContext();

const AuthProvider = ({ children }) => {
 const [isLoggedIn, setIsLoggedIn] = useState(false);

 const login = () => {
 setIsLoggedIn(true);
 };

 const logout = () => {
 setIsLoggedIn(false);
 };

 return (
 <AuthContext.Provider value={{ isLoggedIn, login, logout }}>
 {children}
 </AuthContext.Provider>
);
};

export { AuthContext, AuthProvider };

// Login.js
import React, { useContext } from 'react';
import { AuthContext } from './AuthContext';

const Login = () => {
 const { login } = useContext(AuthContext);

 return (
 <button onClick={login}>
 Login
 </button>
);
};

export default Login;
```

```

// Logout.js
import React, { useContext } from 'react';
import { AuthContext } from './AuthContext';

const Logout = () => {
 const { logout } = useContext(AuthContext);

 return (
 <button onClick={logout}>
 Logout
 </button>
);
};

export default Logout;

// App.js
import React from 'react';
import { AuthProvider } from './AuthContext';
import Login from './Login';
import Logout from './Logout';

const App = () => {
 return (
 <AuthProvider>
 <div>
 <h1>Authentication Example</h1>
 <Login />
 <Logout />
 </div>
 </AuthProvider>
);
};

export default App;

```

These examples showcase different scenarios where `useContext` can be used to share state across components without prop drilling.