12.ReactJS-HOL

App.js:

import React, { Component } from 'react';

import './App.css';

function UserGreeting(props) {

  return <h1>Welcome back</h1>;

}

function GuestGreeting(props) {

  return <h1>Please sign up.</h1>;

}

function Greeting(props) {

  const isLoggedIn = props.isLoggedIn;

  if (isLoggedIn) {

    return <UserGreeting />;

  }

  return <GuestGreeting />;

}

function LoginButton(props) {

  return (

    <button onClick={props.onClick}>

      Login

    </button>

  );

}

function LogoutButton(props) {

  return (

    <button onClick={props.onClick}>

      Logout

    </button>

  );

}

class App extends Component {

  constructor(props) {

    super(props);

    this.handleLoginClick = this.handleLoginClick.bind(this);

    this.handleLogoutClick = this.handleLogoutClick.bind(this);

    this.state = {isLoggedIn: false};

  }

  handleLoginClick() {

    this.setState({isLoggedIn: true});

  }

  handleLogoutClick() {

    this.setState({isLoggedIn: false});

  }

  render() {

    const isLoggedIn = this.state.isLoggedIn;

    let button;

    if (isLoggedIn) {

      button = <LogoutButton onClick={this.handleLogoutClick} />;

    } else {

      button = <LoginButton onClick={this.handleLoginClick} />;

    }

    return (

      <div className="App-header">

        {}

        <Greeting isLoggedIn={isLoggedIn} />

        {}

        {button}

      </div>

    );

  }

}

export default App;

App.css:

.App-header {

  display: flex;

  flex-direction: column;

  align-items: center;

  justify-content: center;

  font-size: calc(10px + 2vmin);

  color: black;

  min-height: 100vh;

}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.