



# MINI APP

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## INSTRUCTIONS

Update index.html file and  
hit the url from the browser

[HTTP://LOCALHOST:8081/](http://localhost:8081/)

## INDEX.HTML

```
<script src="https://unpkg.com/react@16/umd/react.development.js"
crossorigin></script>
<script src="https://unpkg.com/react-dom@16/umd/react-
dom.development.js" crossorigin></script>
<script src="https://unpkg.com/babel-standalone@6/babel.min.js">
</script>

<div id="root">
</div>

<script type="text/babel">

class Header extends React.Component
{
```



```
render()
```

```
{
```

```
    return <h1>{this.props.text}</h1>;
```

```
}
```

```
}
```

```
class LabelledInput extends React.Component
```

```
{
```

```
    render()
```

```
    {
```

```
        return <div>
```

```
            <label>{this.props.label}</label>
```

```
            <input
```

```
                type={this.props.type}
```

```
                value={this.props.value}
```

```
            < {onChange={this.props.onValueChange
```

```
                </input>
```

```
            </div>;
```

```
        }
```

```
    }
```

```
class Login extends React.Component
```

```
{
```

```
    constructor(props)
```

```
    {
```

```
        super(props);
```

```
        this.state = {
```

```
            username: "",
```

```
            password: ""
```

```
        };
```

```
        this.handleSubmit = this.handleSubmit.bind(this);
```

```
        this.handleUsername = this.handleUsername.bind(this);
```

```
        this.handlePassword = this.handlePassword.bind(this);
```

```
    }
```

```
    handleSubmit(event)
```

```
    {
```



```
        let username = this.state.username;
```



```
let password = this.state.password;
let state = {
  username: "",
  password: ""
};
if(password.length < 4)
{
  state.error = true;
}
else
{
  if(username == "harry" && password == "potter")
  {
    state.error = false;
    this.props.onLogin();
  }
  else
  {
    state.error = true;
  }
}
this.setState(state);
event.preventDefault();
}

handleUsername(event)
{
  this.setState({ username:event.target.value });
}

handlePassword(event)
{
  this.setState({ password:event.target.value });
}

render()
{
  return <div>
```





```

    <Header text={this.props.header} />
    <form onSubmit={this.handleSubmit}>
      <LabelledInput
        type="text"
        label="Username: "
        value={this.state.username}
        onChange={this.handleUsername}
      />
      <br/>
      <br/>
      <LabelledInput
        type="password"
        label="Password: "
        value={this.state.password}
        onChange={this.handlePassword}
      />
      <br/>
      <br/>
      { this.state.error && <p>Please enter the
correct details</p> }
      <input type="submit" value="Go"></input>
    </form>
  </div>;
}
}

function LogoutButton(props)
{
  return <button onClick={props.onLogout}>Logout</button>;
}

class App extends React.Component
{
  constructor(props)
  {
    super(props);
    this.state = {
      loggedIn: false
    }
  }
}

```

```
};
this.handleLogin = this.handleLogin.bind(this);
this.handleLogout = this.handleLogout.bind(this);
}

handleLogin()
{
  this.setState({loggedIn: true});
}

handleLogout()
{
  this.setState({ loggedIn: false });
}

render()
{
  return <div>
    { !this.state.loggedIn ?
      <Login header="Login1" onLogin=
{this.handleLogin}/> :
      <LogoutButton onLogout={this.handleLogout} />
    }
  </div>;
}
}

ReactDOM.render( <App />, document.getElementById("root"));
</script>
```

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