

# How to use state

1. Look at Login in both the browser and editor.

We have a password field. As is typical when the user types in their password, it is masked. This is great for security but darn, it can be frustrating when trying to type your password on a phone where the soft keyboard is tiny and prone to typos. That problem is mitigated by having a button to reveal the password as you type.

Let's see if we can implement that.

2. import useState from react at the top of the file.
3. Call useState with an initial value of false. Store its return in [showPassword, setShowPassword].
4. Find your password <input>. Set the type property to be a JSX expression: if showPassword is true, type should be "text" and if showPassword is false, type should be "password". (Hint: put a ternary in the expression).
5. Add a button whose text is "show" if showPassword is false and "hide" if showPassword is true. (Hint: again, think ternary inside of a JSX expression).
6. Add an onClick event to the button. When pressed, call setShowPassword, toggling showPassword from true to false or from false to true.
7. Run and test. You've got it right when clicking that button will show and hide the password.
8. Bonus! If you have extra time, redo that same thing in the Account.js component.