React form control

Unstyled form control

The FormControlUnstyled is a utility that lets you associate a form input with auxillary components, such as labels, error indicators or helper text.

{{"component": "modules/components/ComponentLinkHeader.js", "design": false}}

FormControlUnstyled

FormControlUnstyled wraps an input and other components, enabling to reflect the input's state in these other components.

For instance, you may want to show an additional element asking the user to enter a value if the input is empty, or display a warning icon if the entered value is incorrect.

{{"demo": "BasicFormControl.js"}}

The FormControlUnstyled provides a context that can be read by the useFormControl hook.

useFormControl hook

The useFormControl hook can be used to enable integration between custom form inputs and FormControlUnstyled. Additionally, you can read the form control's state and react to its changes in a custom component.

The demo below shows both. `CustomInput` is a wrapper around a native HTML `input` that adds FormControlUnstyled integration. `ControlStateDisplay` reads the state of the form control and displays it as text.

{{"demo": "UseFormControl.js", "defaultCodeOpen": false}}

Note that even though FormControlUnstyled supports both controlled and uncontrolled-style API (i.e. it accepts `value` and `defaultValue` props), `useFormControl` returns only the controlled `value`. This way, you don't have to implement both in your custom input - FormControlUnstyled does this for you.

`useFormControl` returns an object with the following fields:

Name	Type	Description
disabled	boolean	Represents the value of the FormControlUnstyled's `disabled` prop.
error	boolean	Represents the value of the FormControlUnstyled's `error` prop. Note that it is not calculated automatically (i.e. it's not set when `required: true` and `value: ''`)
filled	boolean	Set to `true` if `value` is not empty.
focused	boolean	Set to `true` if the wrapped input has received focus.
required	boolean	Represents the value of the FormControlUnstyled's `required` prop.
value	unknown	The current value of the form control.

Additionally, the following callbacks are a part of the returned object. They are meant to be used when creating custom inputs.

Name	Type	Description
onChange	React.ChangeEvent => void	Value change handler. Should be forwarded to the inner input.
onBlur	() => void	Focus change handler. Should be forwarded to the inner input.
onFocus	() => void	Focus change handler. Should be forwarded to the inner input.