

Guide to implementing Rules for Password

Let's get back to something we've missed: the password guide

WE'LL COVER THE FOLLOWING ^

- Validation
- Changelist
- Guide
- Changelist

Thus far, we've neglected the password guide, which we'll now implement.

The popup isn't interesting to us since we've already implemented a tooltip in the last lesson that is positioned dynamically. We'll just implement it as part of the error message.

Validation

We still need to validate the passwords. The guides don't serve to replace validation since we should continue to warn of an error even if the guide is no longer showing.

Output
JavaScript
HTML





Guide

- Some basic validation rules
- The “Confirm Password” field compares the value in the password field for validation.
- Since these are the only fields that have validation dependencies, we need to run validation on both upon change to either.
 - So when the validation for `password` is run, the `confirmPassword` element has to be selected and validated against. And vice versa.
 - Previously, our `validate` function took an `event` as the parameter. We want to reuse the function, and `confirmPassword` won’t be attached to an event. So we have it accept the HTML element directly.
 - This means the listener can’t be `validate`. Listener methods are called with `event` arguments, so we use an anonymous function that calls `validate` with `event.target`.

Guide

The guide is first displayed when we focus the input, is updated upon every key stroke and goes away upon blur.

Output
JavaScript
HTML
<div><div><div>Name</div><div><input type="text" value="First"/> <input type="text" value="Last"/></div><div>Choose your username</div><div><input type="text"/></div><div>Create a password</div><div><input type="text"/></div><div>Confirm your password</div><div><input type="text"/></div><div>Birthday</div><div><input type="text" value="Month"/> <input type="text" value="Day"/> <input type="text" value="Year"/></div><div>Mobile phone</div><div><input type="text"/></div><div>Your current email address</div><div><input type="text"/></div></div></div>
<div><div></div><div></div></div>

Changelist

- New listeners to the input elements
- An additional call to hide the guide in the `onblur` listener
 - Note that we could have put it in the `validate` function. We don't because we should only have code in a function that relates to what the function is doing. In this case, this isn't part of "validating," so we don't include it there.
- Create a `Guide` class. By doing so, we abstract out what it means to hide, show, and update the guide. We've decided just to show it and update it where the error message is, but if we wanted to change it to a popup, this

where the error message is, but if we wanted to change it to a popup, this abstraction makes it easier to do so.

- It accepts the `classname` as the parameter to target the right node and accepts a function for updating the guidance message
- We import the function from a previous lesson to get the password category. Based on the category, we choose the message to display.

Something else worth noting is that this file is getting quite long. In a real application, we'd split this file into multiple, based on its domain. So an outer directory called `form`, and inner ones with `form/validation.js` and `form/guide.js` would be a reasonable choice.