Client-side Form Validation – Ensures all forms are filled out correctly

Form Validation – required fields, proper formats, valid emails, password parameters, etc

3 reasons to validate

> 1-we want to obtain the correct data in the correct format
>
> 2-we want to protect user data (ie. Secure passwords)
>
> 3-we want to protect ourselves (prevent damage to the application)

Built-in Form Validation

Fields like – required, minlength, maxlenth, type, pattern – all in the HTML.

Faster than JavaScript validation, but less customizable.

If meets the requirements it allows the browser to submit the form, and creates the :valid CSS class

Validating against a regular expression

Pattern attribute expects regex for the input to match the pattern requested.

Regex cheatsheet that I like

https://www.rexegg.com/regex-quickstart.html

Validating Forms Using JavaScript

Constraint Validation API

This API makes certain properties available on certain DOM interfaces. Namely HTMLButtonElement, HTMLFieldSetElement, HTMLInputElement, HTMLOutputElement, HTMLSelectElement, HTMLTextAreaElement.

Makes properties of validationMessage and validity available. Validity has a whole bunch of "ValidityStates"

Makes methods of checkValidity() and setCustomValidity(message) available.