

Web Front-End Development

Week 8: Firebase and jQuery

When you have a form that is submitting data that you're going to store you want to think about what data is required and check for valid input. Firestore can do data validation but validating a form in the browser gives the user immediate feedback before they submit the form

HTML5 input types

Text fields were being used for so many different types of data so HTML5 added more input types

On some devices these input types will show different keyboards for the users (iOS)

- New input types
 - search
 - email
 - requires well formatted email address (requires button type submit)
 - url
 - requires well formatted url (including http://) (requires button type submit)
 - tel
 - number and range
 - min, max, step, value
 - The valueAsNumber DOM property returns the value as an int instead of a string which is useful for numbers and dates
 - date, month, week, time
 - min, max
 - color
 - will show either a default color picker or another widget depending on the browser.
- New attributes
 - required
 - Boolean attribute that specifies that an input field must be filled out before the form is submitted
 - works with the input types: text, search, url, tel, email, password, date pickers, number, checkbox, radio, and file
 - autofocus
 - sets the focus on the element when the page is loaded (button must be type submit)
 - placeholder
 - string for instructions
 - autocomplete
 - on or off
 - spellcheck
 - true or false

CSS has new pseudo-classes for the UI element states to help you style form elements based on their state.

You can make the form more user friendly by reducing the amount of input when possible.

- Disable or hide fields not needed

Example:

firebase_form2_jquery_auth_cfs.html, firebase_tickets_jquery_auth_cfs.js

- Would you like to purchase season tickets?
 - yes shows the rest of the form
 - no hides the form, alert thanks for visiting, takes you to cubuffs page
- Name field is required
- Email type="email" to check for valid email address
- Changed the button type to submit and replaced the click listener with a submit listener so it checks the HTML5 validation before submitting
- Disables card number and expiration if using paypal
- Hides shipping info if the same as billing (need to add shipping info)
- Team and payment info is required but can't be validated in the form so we added the logic to the jQuery.