## WO4-Forms ##

· Form Controls · Accessing form elements · Form properties lundles

· Form elements · Submitting a form · Retrieving and changing values

· Mosa ... contains form controls (input field, Select menus, buttons)

ending to server.

Forms ux: -sability and accessibility considerations
"Designing Ux: Forms by Jessica Enders

A SEARCHING EXAMPLE

index notation [i]:

const form = document. formo [2];

or we can use get Element By Tag name:

const form = document. get Element By Taglume ('form')[0];

const form = document. formsearch; - not recommended const form = document. forms[search];

Form Object also has a method (elements) that returns an HTML Collection of all elements contained in the form:

const [input, betton] = form. elements;

can also access form controls using name attributes Lonst input = form, search Input

FORM PROPERTIES AND METHODS

form. rest(); < submits form

form. rest(); < resets form controls back to original state

button with type attribute reset will also do this without

activional scripting, < may not be best practice, though

## WO4 - Forms ##

form. action & used to let the action attribute of aform: form. action = 'lanlother. url';

## FORM EVENTS

tocus - when an element is focused on or selected. blur & when user moves focus away from the element. changes when user moves focus away from element after changing

SUBMITTING a FORM

Submit & occurs when the form is submitted usually sends form data to server but can be intecepted

RETRIEVING AND CHANGING VALUES FROM A FORM

text input elements have a value property · retrieve or change value

input. value = 'Search Here';

if (input.value === 'Search Here') { input.value = ';} This can also be done using placeholder attribute in HTML <inpat type = 'text' name = 'search box' placeholder = Search Har.</pre>

## FORM CONTROLS

- a linput > fields (Lext, passwords) check boxes, radio buttons, file upleads
- \* (Select) menus, drop-down lists of options
- # (text-arm) longer text entry
- # (button > John; ss:on and reset, etc.

autofocus attribute « give focus on page load

document, forms hero heroname focus (); Il Lava Scipt equiv max length attribute = limits number of characters

form elements: sitepoint. com/html5-forms-markup

## WO4- Forms

makethero function creates an object using the forminformation and also prevents the form from being sent to the server.

150N, stringify() il used to convert the object into a JEEN String

INPUT FIELDS - most common type of form control.

Text Input Fields - used for entering a short piece of information. type='text' attribute is not required but it is good to use to signify intent. value= 10' attribute to pre-fill recommended value

Password Input Fields

type='password' < conceals characters, everything else is treaded just like 'text'

Checkbox Input Fields

type='checkbox' =- checked == true, unchecked == false user can select more than one.

· use same 'name' property makes them accessed as an HTML collection (form. powers;)

· Iterate over collection using a for loop.

· Can preset a checkbox to checked

document forms hero Powers[8] checked = true; Radio Button Input Fields

type='radio' + allow user to ckeck a single option as true · use same 'name' attribute, used to group them o allows us to assign a category protty.

stored in form. category. value

· can have a preset

Kinput type = 'radio' hane = type value = villain'

Hidden Input Fields - type= 'hidden' - not displayed in browser but can contain information Sobmitted with form -do Not use for sensitive data

File Input Fields - type='file' used to upload files

Other Input Types

many such as number, tel, color, etc.

'number' . has optional attribute - min/max/step

SELECT DROF-TOWN LIST - used to select one or more options from a list of values

· Selected attribute will set an initial value

coption value = ' selected > Chaose a value (loption)

· name attribute is used to access in Lava Scriptcus a property of the form object

-if only one item is selected, it will return a reference to that selection. Otherwise a collection containing each selection.

- each selection object has a value property agent to the value attribute of the coptions tag

of selected items.

Text Areas - Hertarea) - enter long pieces of information overmultiple lines - comments, blog, etc.

· Access using 'name' and 'value' properties

Buttons

forton type='reset' > Reset < | button > < not recommended
< button type='button' > Click Me < | button > < creates a elickable button</pre>

FORM VALIDATION - Process of checking information is entered correctly

Required Fields • Email Addresses • Numbers • Passwords

client-side and serverside validation

avaScript Validation should be used to enhance user experience Server-Side validation for security Some Validation capabilities in HTMLS (i.e. required uttribute) ## WOY - Forms ##

Instant feed back provides a better user experience than an alert after clicking / tapping submit.

set an event listener directly to the input field using the keyup event the feedback can be inserted inside the label element of that field with a class of error for more direct feed back.

Disabling Submit Button

adding the clisabled attribute will disable the button. This can be altered programmatically.

using a Java Script function to enable I disable the button based on the field's content:

if (event. target.value === ") {

document.getElementById('submit').disabled = true;

}else {

document.getElementById('submit).disabled = false;
}