SUBJECT: Form Properties & Methods MII: · Forms are members of document. forms · Able to access a form using either its name or order in the form collection 1 document.forms.my; // the form with name="my" 2 document.forms[0]; // the first form in the document Example - access using form name & form's input name 1 <form name="my"> <input name="one" value="1"> 3 <input name="two" value="2"> 4 </form> 6 <script> 7 // get the form 8 let form = document.forms.my; // <form name="my"> element 10 // get the element 11 let elem = form.elements.one; // <input name="one"> element 13 alert(elem.value); // 1 14 </script> · Multiple elements can 2 <input type="radio" name "age" value="10"> 3 <input type="radio" name "age" value="20"> 4 </form> have the same 6 <script> 7 let form = document.forms[0]; name 9 let ageElems = form.elements.age; Wes form.elements alert(ageElems[0]); // [object HTMLInputElement] 12 </script>

SUBJECT: Form Properties & Methods MI: · Elements w/the same name (continued) > makes form. elements [name] a collection -> typical for radio buttons & checkboxes · Can also access elements as form name (or index) > Sharter than form.element.name notation > be careful! if an element is accessed this way, but then its name gets changed, it is made available under the old of neu name Backreference: element. form · For any element, the form is available as element form 1 <form id="form"> <input type="text" name="login"> 3 </form> form // form -> element let login = form.login; elements[0] elements[1] elements[n] // element -> form 10 alert(login.form); // HTMLFormElement 11 </script>

SUBJECT: Form Elements DATE:
input and textarea
· values can be accessed as input-value (string)
O r
input.checked
(for checkboxes 4 radio buttons)
 <textarea></textarea> values cannot
·
be accessed using textarea. Innerhim
→ it only stores the initial
html — not the current value
<u>Select and option</u>
'
· The 3 important select properties:
1. $Select.options \longrightarrow the collection of Koption > subelements$
2 . Select. Value \longrightarrow the value of the currently selected option
3. Select. selected Index -> the number of the
Currently selected option

SUBJECT: Form Elements · Each of the 3 select options provides a way to set a value for <select> 1. Find the corresponding option element among select. Options ->> set option. selected to true 2. Set Select. value to a Known new Value 3. Set select-selected Index to a Known new option number 1 <select id="select"> 2 <option value="apple">Apple</option> <option value="pear">Pear</option> <option value="banana">Banana</option> 5 </select> // all three lines do the same thing 9 select.options[2].selected = true; 1 select.selectedIndex = 2; select.value = 'banana'; select.value = 'banana'; // please note: options start from zero, so index 2 means the 3rd option. 13 </script>

· Select allows for multiple options to be selected using the multiple attribute (is rarely used)

SUPJECT: Creating an Option Element DATE: · Can create an option element using document. create Element ('option') · Can also use the new Option Syntax: 1 option = new Option(text, value, defaultSelected, selected); -> text: the text inside the option -> Value: the option value -> defaultSelected: if true, then the selected attribute is created · Sets the HTML attribute ... Which can be accessed Via option.getAttribute ('selected') → Selected: Sets whether the option is selected or not * Either set both defaultSelected & selected to true (false, or nothing (they will both be Set to false by default)

SUBJECT: Creating an Option Element With selected + defaultSelected 1 let option = new Option("Text", "value", true, true); creating the same option Without selected + defaultSelected 1 let option = new Option("Text", "value"); 2 // creates <option value="value">Text</option> Option. Selected option element properties option.index option.text **Summary** Form navigation: document.forms A form is available as document.forms[name/index]. form.elements Form elements are available as form.elements[name/index], or can use just form[name/index]. The elements property also works for <fieldset>. element.form Elements reference their form in the form property. Value is available as input.value, textarea.value, select.value, etc. (For checkboxes and radio buttons, use input.checked to determine whether a value is selected.) For <select>, one can also get the value by the index select.selectedIndex or through the options collection select.options. These are the basics to start working with forms. We'll meet many examples further in the tutorial. In the next chapter we'll cover focus and blur events that may occur on any element, but are mostly handled on forms.