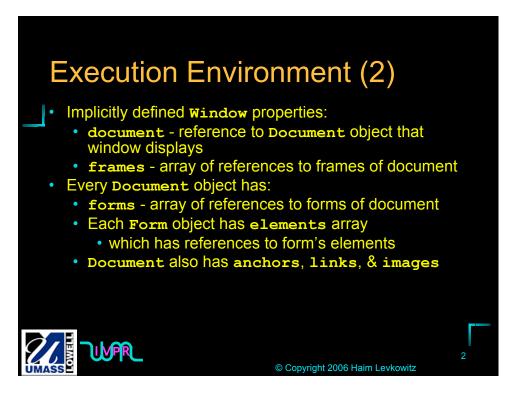
JavaScript Execution Environment

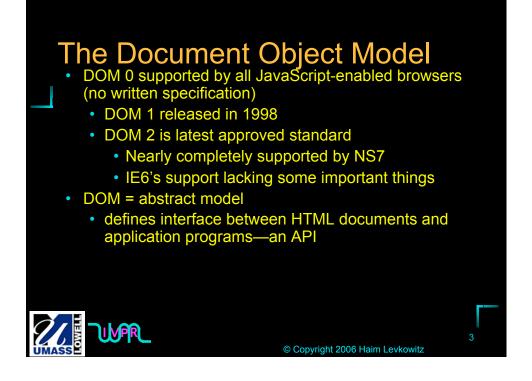
- JavaScript Window object represents window in which browser displays documents
- Window object provides largest enclosing referencing environment for scripts

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 All global variables are properties of Window







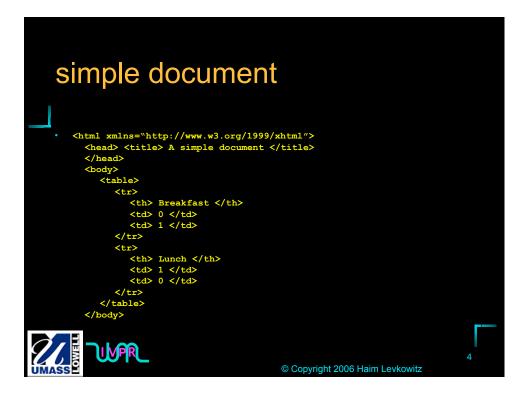
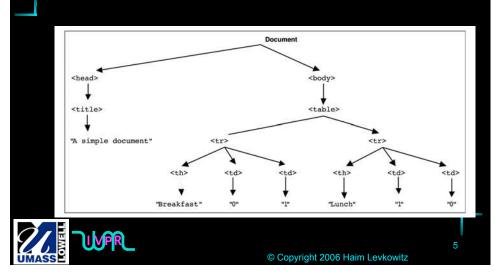
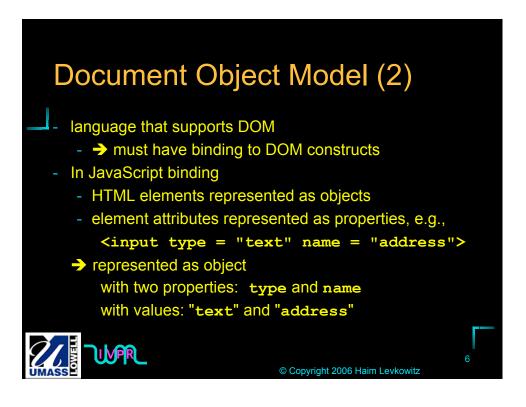
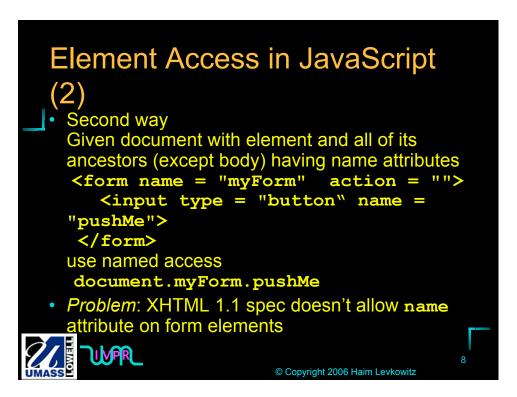


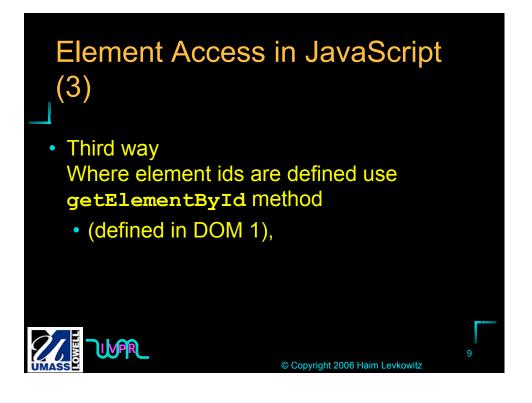
FIGURE 5.1 DOM structure for simple document

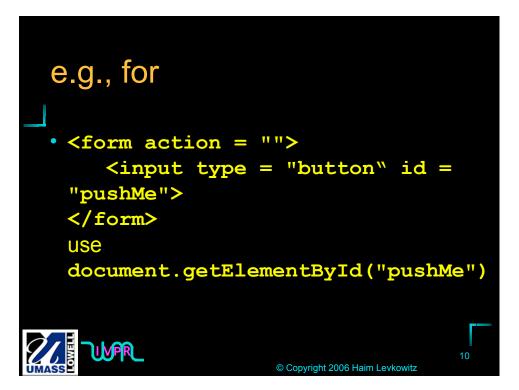


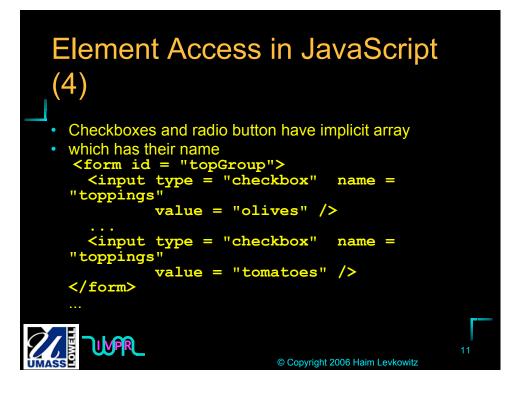


Element Access in JavaScript













- event is notification that something specific has occurred
 - with browser or action of user
 - event handler
 - script, implicitly executed
 - in response to appearance of event
 - process of connecting event handler to event is called *registration*



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TABLE 5.1 Events and Their Tag Attributes

Event	Tag Attribute	
blur	onblur	
change	onchange	
click	onclick	
focus	onfocus	
load	onload	
mousedown	onmousedown	
mousemove	onmousemove	
mouseout	onmouseout	
	continu	ied
	© Copyright 2006 Haim Levkowitz	4

TABLE 5.1 Events and TheirTag Attributes (Continued)

	© Copyright 2006 Haim Levkowitz	15
unload	onunload	
submit	onsubmit	
select	onselect	
mouseup	onmouseup	
mouseover	onmouseover	
Event	Tag Attribute	

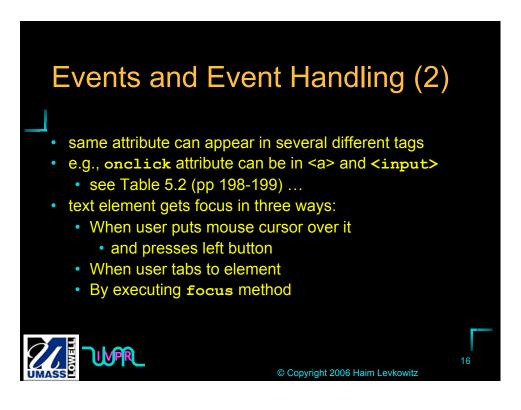


TABLE 5.2	
Event Attributes and T	heir
Tags	

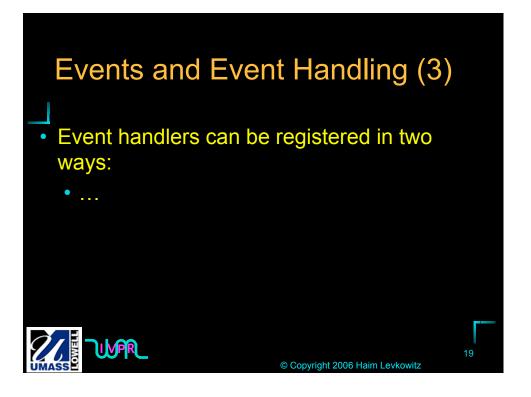
Attribute	Tag	Description
onblur	<a>	The link loses the input focus.
	<button></button>	The button loses the input focus.
	<input/>	The input element loses the input focus.
	<textarea></td><td>The text area loses the input focus.</td></tr><tr><td></td><td><select></td><td>The selection element loses the input focus.</td></tr><tr><td>onchange</td><td><input></td><td>The input element is changed and loses the input focus.</td></tr></tbody></table></textarea>	

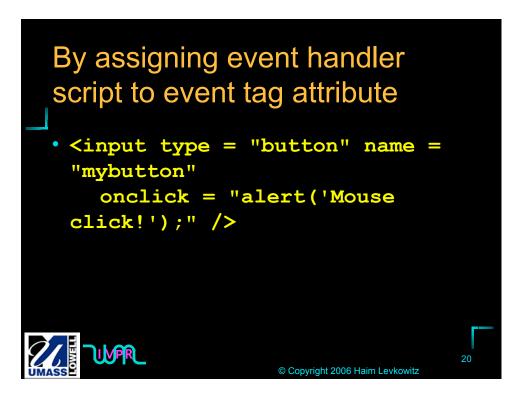


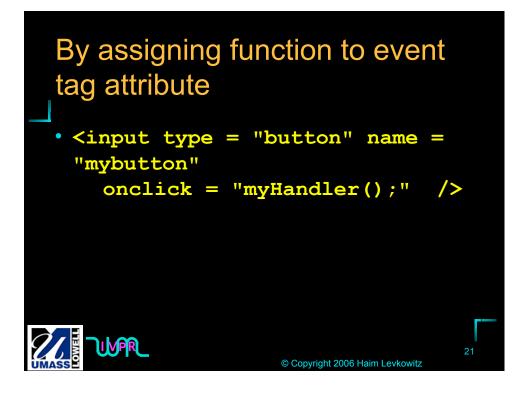
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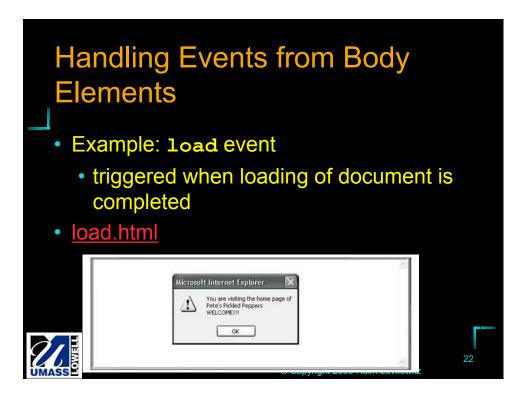
TABLE 5.2 Event Attributes and Their Tags (Continued)

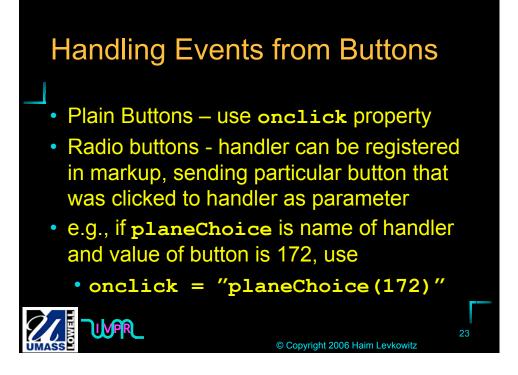
Attribute	Tag	Description	
	<textarea></td><td>The text area is changed and loses the input focus.</td><td></td></tr><tr><td></td><td><select></td><td>The selection element is changed and loses the input focus.</td><td></td></tr><tr><td>onclick</td><td><a></td><td>The user clicks on the link.</td><td></td></tr><tr><td></td><td><input></td><td>The input element is clicked.</td><td></td></tr><tr><td>onfocus</td><td><a></td><td>The link acquires the input focus.</td><td></td></tr><tr><td></td><td><input></td><td>The input element receives the input focus.</td><td></td></tr><tr><td></td><td><textarea></td><td>A text area receives the input focus.</td><td></td></tr><tr><td></td><td><select></td><td>A selection element receives the input focus.</td><td></td></tr><tr><td>onload</td><td><body></td><td>The document is finished loading.</td><td></td></tr><tr><td>onmousedown</td><td>Most elements</td><td>The user clicks the left mouse button.</td><td></td></tr><tr><td>onmousemove</td><td>Most elements</td><td>The user moves the mouse cursor within the element.</td><td></td></tr><tr><td>onmouseout</td><td>Most elements</td><td>The mouse cursor is moved away from being over the ele-
ment.</td><td></td></tr><tr><td>onmouseover</td><td>Most elements</td><td>The mouse cursor is moved over the element.</td><td></td></tr><tr><td>onmouseup</td><td>Most elements</td><td>The left mouse button is unclicked.</td><td></td></tr><tr><td>onselect</td><td><input></td><td>The mouse cursor is moved over the element.</td><td></td></tr><tr><td></td><td><textarea></td><td>The text area is selected within the text area.</td><td></td></tr><tr><td>onsubmit</td><td><form></td><td>The Submit button is pressed.</td><td></td></tr><tr><td>onunload</td><td><body></td><td>The user exits the document.</td><td></td></tr></tbody></table></textarea>		





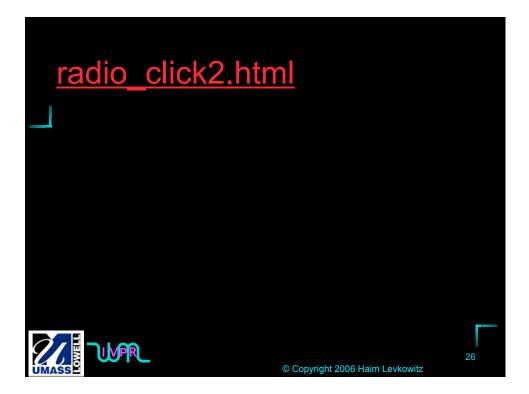


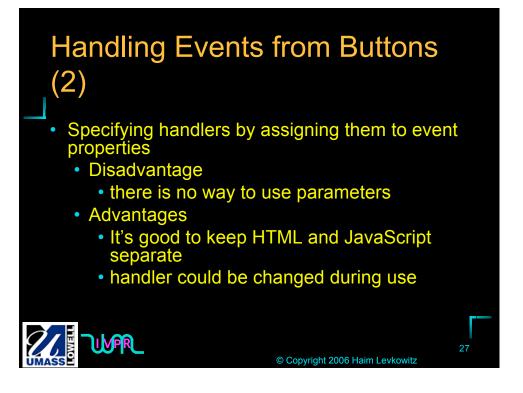


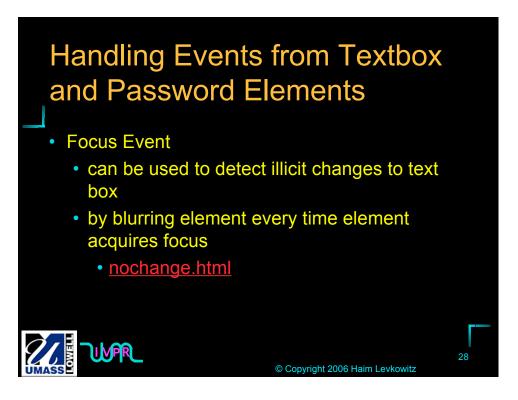


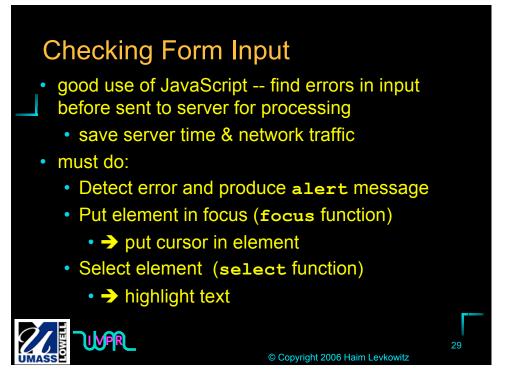
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 Model 182 (Skylane) Model 210 (Centurian) 		
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O Model 152	X	
	The larger of two four-place airplanes	
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