









6.5 Changing Colors and Fonts

- Background color is controlled by the backgroundColor property

- Foreground color is controlled by the color property

- Can use a function to change these two properties

- Let the user input colors through text buttons

- Have the text elements call the function with the element address (its name) and the new color

Background color: <input type = "text" size = "10" name = "background" onchange = "setColor('background', this.value)">

- The actual parameter this.value works because at the time of the call, this is a reference to the



Javascript, ©Matt Evett & Addison Wesley





■ → SHOW <u>dynValue.html</u>



Javascript, ©Matt Evett & Addison Wesley

sley



Locating the Mouse Cursor

- The coordinates of the element that causes an event are available in the *clientX* and *clientY* properties of the event object
 - These are relative to upper left corner of the browser display window
- screenX and screenY are relative to the upper left corner of the whole client screen
- If we want to locate the mouse cursor when the mouse button is clicked, we can use the click event
- SEE where.html

Javascript, ©Matt Evett & Addison Wesley

Reacting to a Mouse Click

- A mouse click can be used to trigger an action, no matter where the mouse cursor is in the display
- Use event handlers for *onmousedown* and *onmouseup* for the document object to effect the action.
 - In the example, the action is to change the visibility attribute of a message
- SEE <u>anywhere.html</u>

Javascript, @Matt Evett & Addison Wesley





dropper

Javascript, ©Matt Evett & Addison Wesley



Drag & Drop, 2nd and 3rd Handlers

- 2. Move the element by changing its top and left properties as the mouse cursor is moved (onmousemove)
 - Use event.x and event.y to track the mouse cursor
- 3. Dropping the element when the mouse button is released by unregistering these two handlers.
- SEE <u>dragNDrop.html</u>

Javascript, ©Matt Evett & Addison Wesley