

# DOM

## Chapter 11 of *Webmaster in a Nutshell*

- See page 200 for document(DOM) hierarchy
  - Windows
    - Self
    - Navigator
    - Frame[]
    - Location
      - Href="URL"      causes the browser to goto URL
    - History
    - Document
      - Forms[]
        - Elements
          - Select
            - Options[]
            - selectedIndex
        - anchors
        - links
        - images
        - applets
        - embeds
  - Window properties
    - window.status="some value"
      - property that set status bar at bottom of browser
  - Window methods
    - window.alert(message)
      - alert("display string")
    - window.confirm(message)
      - modal dialog with OK and CANCEL, returns true(OK) or false(CANCEL) depending on button pressed
    - window.prompt(message, defaultreply)
      - displays message, OK & CANCEL, field for entry
      - returns value entered into dialog box.
    - window.open("URL", "window name"[,window features])
      - opens new window from "URL"
      - features - boolean
        - toolbar
        - location
        - directories

- status
  - menubar
  - scollbars
- window.close()
  - closes current window
- window.setTimeout("expression",millseconddelay)
  - timeout in milleseconds before "expression" is evaluated
- Window Events
  - OnLoad
    - Sent to current windowe at the end of document loading

```

<html>
<head>
<script>
function chgstatus(s) {
    window.status=s
    return
}
</script>
<title>My test</title>
</head>
<body onload="return chgstatus('help me')">
Hello World

</body>
</html>

```

- Document
  - Form
    - Text object
      - Properties
        - value
        - defaultvalue
        - name
      - Events
        - onChange
        - onSelect
        - onFocus
        - onBlur
      - Methods
        - blur()
          - removes focus
        - focus()
          - places focus in the text box
        - select()
          - selecting all the text within text object

```

<html>
<head>

```

```

<script>
function setValue() {
    document.formtest.textbox.value = window.prompt("update the Vale of Your
Name",document.formtest.textbox.value)
    return
}
</script>
<title>My test</title>
</head>
<body >
<form name=formtest>
Your name:<input type=text name=textbox size=8 maxlength=6>
<input type=button name=pb value="Push Me" onclick="return setValue()">
</form>
</body>
</html>

```

- CheckBox
  - Properties
    - checked
    - defaultvalue
    - name
    - value
  - Method
    - Click
  - Events
    - OnClick
- Select Object
  - Properties
    - length
    - name
    - options
    - selectedIndex
    - options[n].defaultSelected
    - options[n].index
    - options[n].selected
    - options[n].text
    - options[n].value
  - Methods
    - None
  - Events
    - OnChange

```

<html>
<head>
<script>
function Fruit() {
    var i
    var s
    if (document.formtest.testselect.selectedIndex >= 0) {
        i =
document.formtest.testselect.selectedIndex
        s = document.formtest.testselect[i].value

```

```

        document.formtest.fruitvalue.value = s
        s = document.formtest.testselect[i].text
        document.formtest.fruittext.value = s
    }
    else {
        alert("Please select a fruit")
    }
}
</script>
<title>My test</title>
</head>
<body >
<form name=formtest>
<select size=5 name=testselect>
<option value=1>Apples
<option value=2>Oranges
<option value=3>Pears
<option value=4>Tangerines
</select><br>
<input type=button name=pb2 value="Push for Fruit"
onclick="return Fruit()"><br>
Your Fruit Value:<input readonly type=text name=fruitvalue
size=12><br>
Your Fruit Text:<input readonly type=text name=fruittext size=12>
</form>
</body>
</html>

```

- Radio Buttons