Announcements

- PHP Scripts activated
Handling ERRORS

- We can detect errors by using `window.onerror`
- **Example:** `ErrorHandler.js`, `Error.html`
- Let’s introduce some errors in `Error.html`
Function Prototypes

- What is a function prototype?
null and undefined

- `null` — indicates no value
- `undefined`
  - Value associated with uninitialized variables.
  - Value associated with object properties that do not exist.
- `==` considers `null` and `undefined` equal
- `===` considers `null` and `undefined` different
Switch Statement

- Type of conditional statement
- **Example**: Switch.html
Regarding the name property

- The name property is used by servers to process the data.
- Most of the time we will set the name and id attributes to the same value.
**Checkboxes**

- Allow us to make a selection.
- Defined by using type="checkbox"
- We can tell whether an entry is selected by using the "checked" property.
  - true → entry has been selected
- Default selection by using checked="checked"
- **Example:** Checkboxes.html
Radio Buttons

- Exist in groups and only one can be checked in a group.
- Defined by using type=“radio”.
- We defined the radio buttons to be in the same group by using the same name for all of them.
- Note: Do not use the same value for name and id.
- Default selection by using checked=“checked”
- We access the elements using arrays
- `document.getElementsByName` returns array

**Example:** Checkboxes.html
Drop-DOWN/Scrollable LISTS

- Defined using the `<select>` tag (not the `<input>` tag).
- `<option>` tag to specify possible options.
- To define a default choice use:
  
  ```html
  selected="selected"
  ```
- The `multiple` attribute in `<select>` allows for selection of multiple items (usually displayed as a multiple-selection list)

  **Example:** DropDownList.html
  
  **Example:** ScrollableList.html
TEXT AREAS

- Allows user to input more than one line of information.
- We use the `<textarea>` tag
- `rows` and `cols` attributes define the text area.
- Default text (if any) appears between the `<textarea>` and `</textarea>` tags.
- **Example:** TextArea.html
Web Servers

- How can we have our own web server?