Introduction to Programming

Class 27, 4 April 2017

SYNC

Sit where you like.

DO

Work on the next Unit 4 task until I return.

ALERT

Unit 4 Assessment on Thursday, 20 April.

WARM UP

Create a simple Terms of Service web form.

tos.html

```html
<!doctype html>
<head>
    <title>Terms of Service</title>
</head>
<body>
  <h1>This is a really lame form!</h1>
  <div>
      <input type="checkbox" id="agree_box">
      <span id="tos_message">
            I agree to the terms of service.
        </span>
        <br>
        <input type="button" value="Submit" onclick="submit()">
    </div>
    <script src="tos.js"></script>
</body>
```

If you complete this, move onto your next Unit 4 task.

tos.js

```javascript
// This program does a simple check to see if the user has agreed to the terms of
service.

function submit() {
    // Determine if the agree box has been checked.
    var checkBox = document.getElementById("agree_box");
    if(!checkBox.checked) {
        // Change the message red
        var message = document.getElementById("tos_message");
        message.style.color = "red";
    } else {
        alert("Form successfully submitted!");
    }
}
```

Review

Practice with checkboxes

```html
<!doctype html>
<head>
    <title>Simple Checkboxes</title>
</head>
<body>
  <h1>Checkboxes are cool.</h1>
  <div>
      <input type="checkbox" id="nothing_box" onclick="doesNothing()">
      This box does nothing<br>
      <input type="checkbox" id="check_all_box" onclick="toggleCheck()">
      This box checks and unchecks all boxes<br>
      <input type="checkbox" id="disable_box" onclick="toggleDisable()">
      This box disables and enables the other two boxes<br>
  </div>
  <script src="simpleChecks.js"></script>
</body>
```

```javascript
function doesNothing() {
    // Your code here
}


function toggleCheck() {
    // Your code here
}


function toggleDisable() {
    // Your code here
}
```

```javascript
// This js file controls the actions of the checkboxes

function doesNothing() {
  // This function does nothing
}

function toggleCheck() {
  // This function will cause all boxes to be checked when the
  // second box is checked

  var checker = document.getElementById("check_all_box");
  if(checker.checked) {
    // check the other boxes
    document.getElementById("nothing_box").checked = true;
    document.getElementById("disable_box").checked = true;
  } else {
    // uncheck the other boxes
    document.getElementById("nothing_box").checked = false;
    document.getElementById("disable_box").checked = false;
  }
}


function toggleDisable() {
  // This function will disable/enable the first two boxes

  var disabler = document.getElementById("disable_box");
  if(disable_box.checked) {
    // disable the first two boxes
    document.getElementById("nothing_box").disabled = true;
    document.getElementById("check_all_box").disabled = true;
  } else {
    // enable the first two boxes
    document.getElementById("nothing_box").disabled = false;
    document.getElementById("check_all_box").disabled = false;
  }
}
```

DO

Work on the next Unit 4 task for remainder of class.

ALERT

Unit 4 Assessment on Thursday, 20 April.