**Book – Doing Stuff With Web Things**

**CHAPTER 1**

HTML - define the stuff to be shown to the user.

CSs - make the stuff shown to the pleasant to see.

JavaScript - make the user experience interactive rather than passive.

**CHAPTER 2**

**JS:**

function showCongratulations(theButtonClicked){

document.getElementById(“result\_display”).innerHTML =

“Congratulations, you did it!<p>You got the page to update!</p>”

}

**HTML:**

<button onclick=”showCongratulations(this)”>Click Me!</button>

<section id=”result\_display”></section>

**CSS:**

#*result\_display* {

    background-color: DarkGrey;

    width: 300px;

    height: 150px;

    position: relative;

    top: 10px;

    left: 10px;

    padding: 5px;

}

**CHAPTER 3**

**JS:**

    function *loadStory*() {

        varstoryName=*document.getElementById*(*“*name\_input*”*)*.value*

        varstoryHTML=*localStorage.getItem*(storyName)

*document.getElementById*(“story\_editor”)*.*value = storyHTML

    }

    function *saveStory*() {

        varstoryName=*document.getElementById*(*“*name\_input*”*)*.value*

        varstoryHTML=*document.getElementById*(*“*story\_editor*”*)*.value*

*localStorage.setItem*(storyName, storyHTML)

    }

    function *dsiplayStory*() {

        varstoryHTML=*document.getElementById*(*“*story\_editor*”*)*.value*

*document.getElementById*(“story\_display”)*.*innerHTML = storyHTML

    }

**CSS:**

textarea{

width:800px;

height: 250px;

background-color: lightyellow;

}

**HTML:**

<h1>Story Editor</h1>

Story Name:<input *id*=name\_input></input>

<section>

    <button *onclick*="*loadStory*()">Find and Edit It</button>

    <button *onclick*="*saveStory*()">Save It</button>

    <button *onclick*="*displayStory*()">Display It</button>

</section>

<textarea *id*="story\_editor" *placeholder*="Write a totally awesome story here."></textarea>

<section *id*="story\_display"></section>

**CHAPTER 4**

**HTML:**

Enter a Number: <input *id*=name\_input></input>

<button *onclick*="*checkNumber*()">Check It!</button>

<section *id*="result\_display"></section>

**JS:**

    function *checkNumber*() {

        varnumberAsText=*document.getElementById*(*“*number\_input*”*)*.value*

        varaNumber=*parseInt*(numberAsText)

        if (numberAsText != “” && !isNaN(aNumber)) {

            varremainder=*Math.abs*(aNumber%2)

            if (aNumber != 0 && remainder == 0) {

*document.getElementById*(“result\_display”)*.*innerHTML =

                    aNumber + “is even*.*”

            } else if (aNumber != 0 && remainder == 1) {

*document.getElementById*(“result\_display”)*.*innerHTML =

                    aNumber + “is odd*.*”

            } else {

*document.getElementById*(“result\_display”)*.*innerHTML = “0 is neither even nor odd*.*”

            }

        } else {

*document.getElementById*(“result\_display”)*.*innerHTML = “Please enter a number*.*”

        }

    }

**CSS:**

        body {

            background-color: LightGrey;

        }

        input {

            border: none;

            border-radius: 5px;

            box-shadow: 0px 0px 5px #666666 inset;

            height: 25px;

            width: 200px;

            text-indent: 5px;

        }

**CHAPTER 5**

            function *checkNumbers*() {

                varsomeNumbers=[25,11,-2,14,"What ? ? This isn’ t a number!",-1,-10]

*for* (vari=0; i < 7; i++) {

                    varnumberAsText=someNumbers[i]

                    varaNumber=*parseInt*(numberAsText)*if*(numberAsText!=*“”*&&!*isNaN*(aNumber)){

*var*remainder=*Math.abs*(aNumber%2)*if*(aNumber!=0&&remainder==0){

*document.getElementById(“result\_display”).innerHTML += ” < p > ”+aNumber + “is even. < /p>”*

}

*else if*(*aNumber != 0 && remainder == 1*){

*document.getElementById*(*“*result\_display*”*)*.innerHTML*+=*”*<p>*”*+aNumber+*“*isodd*.”*

}*else {*

*document.getElementById(“result\_display”).innerHTML += “ < p >*0*is neither even nor odd. < /p>”*

}

                    }

                    else {

*document.getElementById*(“result\_display”)*.*innerHTML += “ < p > Please enter a number*.* < /p>”

                    }

                }

        <h1>Even or Odd???</h1><button *onclick*="*checkNumbers*()">Check It !</button>

        <section *id*="result\_display"></section>

HTML:

<body>

    <section *id*="note\_entry\_area">

        <h1> Note It! </h1> Description: <input *id*="description\_input">

        </input>

        <textarea *id*="note\_editor" *placeholder*="Note it down. Don't forget.">

                    </textarea>

        <button *onclick*="*saveNote*()"> Save </button>

    </section>

    <section *id*="all\_notes\_display">

    </section>

</body>

JS

function *saveNote*() {

    varcurrentDateAndTime=newDate()

    varaNoteDescription=*document.getElementById*(*“*description\_input*”*)*.value*

    varaNoteText=*document.getElementById*(*“*note\_editor*”*)*.value*

    varaCompleteNote=*currentDateAndTime.toLocaleString*()+

        "--" + aNoteDescription

    aCompleteNote += “ < p > ”+aNoteText + “ < /p>”

    varstoredNotesString=*localStorage.getItem*(*“*all\_notes*”*)

    varallNotes=*JSON.parse*(storedNotesString)

    if (allNotes == null) {

        allNotes = []

    }

*allNotes.push*(aCompleteNote)

    varallNotesString=*JSON.stringify*(allNotes)

*localStorage.setItem*(“all\_notes”, allNotesString)

}

HTML

<body>

    <section *id*="note\_entry\_area">

        <h1>Note It!</h1>

        Description: <input *id*="description\_input"></input>

        <textarea *id*="note\_editor" *placeholder*="Note it down. Don't forget."></textarea>

        <button *onclick*="*saveNote*()">Save</button>

    </section>

    <section *id*="all\_notes\_display"></section>

</body>

JS

function *showAllNotes*() {

    varstoredNotesString=*localStorage.getItem*(*“*all\_notes*”*)

    varallNotes=*JSON.parse*(storedNotesString)

    if (allNotes != null) {

        varnoteDisplayer=*document.getElementById*(*“*all\_notes\_display*”*)

*noteDisplayer.*innerHTML = null

        varnumberOfNotes=*allNotes.length*

*for* (vari=0; i < numberOfNotes; i++) {

            varaNote=allNotes[i]

            noteDisplayer*..*innerHTML += “ < hr > < p > ”+aNote + “ < /p>”

        }

    }

}

CSS:

body {

    background-color: LightGrey;

}

input {

    border: none;

    border-radius: 5px;

    box-shadow: 0px 0px 5px #666666 inset;

    height: 25px;

    width: 200px;

    text-indent: 5px;

}

input:*focus* {

    outline: none;

}

#*note\_entry\_area* {

    width: 500px;

    padding-left: 5px;

    border: none;

    border-radius: 5px;

    box-shadow: 0px 0px 5px #666666 inset;

    text-indent: 5px;

}

textarea {

    margin-top: 10px;

    border: none;

    border-radius: 5px;

    box-shadow: 0px 0px 5px #666666 inset;

    width: 90%;

    height: 150px;

    text-indent: 5px;

    resize: none;

    overflow: scroll;

CHAPTER 6

<body *onload*=”*showAllCustomers*()”>

    <id="customer\_entry\_area">

        <h1> Our Clothing Customers </h1>

        <input *id*="name\_input" *placeholder*="Name”></input> <input id = " *age\_input*"

*placeholder*="Age”></input> <input id = " *inseam\_input*" *placeholder*="Inseam”></input> <br>

    <img src = ”add\_customer.png” onclick = " *addAndSaveCustomer()*">

        </img> </section>

        <section *id*="all\_customers\_display">

        </section>

</body>

JS

function *addAndSaveCustomer*() {

    varaName=*document.getElementById*(*“*name\_input*”*)*.value*

    varanAge=*document.getElementById*(*“*age\_input*”*)*.value*\*1

    varanInseam=*document.getElementById*(*“*inseam\_input*”*)*.value*\*1

    varaClothingCustomer={

*“*

*name”*:aName,

*“age”*:anAge,

*“inseam”*:anInseam

}

    varallCustomers=*null*

    varstoredCustomersString=localStorage[*“*all\_customers*”*]

    if (storedCustomersString == null) {

        allCustomers = []

    } else {

        allCustomers = JSON*.*parse(storedCustomersString)

    }

*allCustomers.push*(aClothingCustomer)

    varallCustomersString=*JSON.stringify*(allCustomers)

    localStorage[“all\_customers”] = allCustomersString

*showAllCustomers*()

*document.getElementById*(“name\_input”)*.*value = null

*document.getElementById*(“age\_input”)*.*value = null

*document.getElementById*(“inseam\_input”)*.*value = null

}

function *showAllCustomers*() {

    varstoredCustomersString=localStorage[*“*all\_customers*”*]

    if (storedCustomersString != null) {

        varallCustomers=*JSON.parse*(storedCustomersString)

        varcustomerDisplayer=

*document.getElementById*("all\_customers\_display")

*customerDisplayer.*innerHTML = null

        varnumberOfCustomers=*allCustomers.length*

*for* (vari=0; i < *allCustomers.*length; i++) {

            varaClothingCustomer=allCustomers[i]

*customerDisplayer.*innerHTML += "<hr><p>Customer: " +

                aClothingCustomer["name"] + "</p>" +

                "<p>Age: " + aClothingCustomer["age"] +

                "</p>" + "<p>Inseam: " +

                aClothingCustomer["inseam"] + "</p>"

        }

    }

}

CSS

body {

    background-color: LightGrey;

}

input {

    border: none;

    border-radius: 5px;

    box-shadow: 0px 0px 5px #666666 inset;

    height: 25px;

    width: 200px;

    text-indent: 5px;

}

input:*focus* {

    outline: none;

}

#*note\_entry\_area* {

    width: 500px;

    padding-left: 5px;

    border: none;

    border-radius: 5px;

    box-shadow: 0px 0px 5px #666666 inset;

    text-indent: 5px;

}

textarea {

    margin-top: 10px;

    border: none;

    border-radius: 5px;

    box-shadow: 0px 0px 5px #666666 inset;

    width: 90%;

    height: 150px;

    text-indent: 5px;

}

img {

    margin-top: 5px;

    margin-bottom: 5px;

    border: none;

    border-radius: 5px;

    box-shadow: 0px 0px 5px #666666;

}