**Exercise 01\_05\_01 – Step 1**

photos.js

function createEventListeners() {

}

------------------------------------

photos.js

function createEventListeners() {

var leftArrow = document.getElementById("leftarrow");

alert(leftArrow);

}

------------------------------------

photos.js

/\* shift all images one figure to the right, and change values in photoOrder array to match \*/

function leftArrow() {

alert("left arrow clicked");

------------------------------------

photos.js

function createEventListeners() {

var leftarrow = document.getElementById("leftarrow");

if (leftarrow.addEventListener) {

leftarrow.addEventListener("click", leftArrow, false);

} else if (leftarrow.attachEvent) {

leftarrow.attachEvent("onclick", leftArrow);

}

var rightarrow = document.getElementById("rightarrow");

if (rightarrow.addEventListener) {

rightarrow.addEventListener("click", rightArrow, false);

} else if (rightarrow.attachEvent) {

rightarrow.attachEvent("onclick", rightArrow);

}

}

function rightArrow() {

alert("right arrow clicked");

**Exercise 01\_05\_01 – Step 2**

photos.js

function createEventListeners() {

var leftarrow = document.getElementById("leftarrow");

if (leftarrow.addEventListener) {

leftarrow.addEventListener("click", leftArrow, false);

}

else if (leftarrow.attachEvent) {

leftarrow.attachEvent("onclick", leftArrow);

}

var rightarrow = document.getElementById("rightarrow");

if (rightarrow.addEventListener) {

rightarrow.addEventListener("click", rightArrow, false);

}

else if (rightarrow.attachEvent) {

rightarrow.attachEvent("onclick", rightArrow);

}

var mainFig = document.getElementsByTagName("img")[1];

alert(mainFig);

}

------------------------------------

photos.js

var mainFig = document.getElementsByTagName("img")[1];

if (mainFig.addEventListener) {

mainFig.addEventListener("click", zoomFig, false);

}

else if (mainFig.attachEvent) {

mainFig.attachEvent("onclick", zoomFig);

}

------------------------------------

photos.js

/\* open center figure in separate window \*/

function zoomFig() {

alert("center image clicked");

}

**Exercise 01\_05\_01 – Step 3**

photos.js

function populateFigures() {

var filename;

var currentFig;

}

------------------------------------

photos.js

function populateFigures() {

var filename;

var currentFig;

for (var i = 1; i < 4; i++) {

filename = "images/IMG\_0" + photoOrder[i] + "sm.jpg";

currentFig = document.getElementsByTagName("img")[i - 1];

currentFig.src = filename;

alert(currentFig.src);

}

}

**Exercise 01\_05\_01 – Step 4**

photos.js

function previewFive() {

alert("previewFive() event handler");

}

------------------------------------

photos.js

function createEventListeners() {

….

var showAllButton = document.querySelector("#fiveButton p");

if (showAllButton.addEventListener) {

showAllButton.addEventListener("click", previewFive, false);

}

else if (showAllButton.attachEvent) {

showAllButton.attachEvent("onclick", previewFive);

}

------------------------------------

photos.js

function previewFive() {

var lastFigure = document.createElement("figure");

}

------------------------------------

photos.js

function previewFive() {

var lastFigure = document.createElement("figure");

lastFigure.id = "fig5";

lastFigure.style.zIndex = "5";

lastFigure.style.position = "absolute";

lastFigure.style.right = "45px";

lastFigure.style.top = "67px";

}

photos.js

function previewFive() {

var lastFigure = document.createElement("figure");

lastFigure.id = "fig5";

lastFigure.style.zIndex = "5";

lastFigure.style.position = "absolute";

lastFigure.style.right = "45px";

lastFigure.style.top = "67px";

var lastImage = document.createElement("img");

}

------------------------------------

photos.js

function previewFive() {

var lastFigure = document.createElement("figure");

lastFigure.id = "fig5";

lastFigure.style.zIndex = "5";

lastFigure.style.position = "absolute";

lastFigure.style.right = "45px";

lastFigure.style.top = "67px";

var lastImage = document.createElement("img");

lastImage.width = "240";

lastImage.height = "135";

}

**Exercise 01\_05\_01 – Step 5**

photos.js

function previewFive() {

var lastFigure = document.createElement("figure");

lastFigure.id = "fig5";

lastFigure.style.zIndex = "5";

lastFigure.style.position = "absolute";

lastFigure.style.right = "45px";

lastFigure.style.top = "67px";

var lastImage = document.createElement("img");

lastImage.width = "240";

lastImage.height = "135";

var articleElem =   
 document.getElementsByTagName("article")[0];

alert(articleElem);

}

------------------------------------

photos.js

var articleElem =   
 document.getElementsByTagName("article")[0];

lastFigure.appendChild(lastImage);

------------------------------------

photos.js

var articleElem =   
 document.getElementsByTagName("article")[0];

lastFigure.appendChild(lastImage);

articleElem.appendChild(lastFigure);

**Exercise 01\_05\_01 – Step 6**

photos.js

lastFigure.appendChild(lastImage);

articleElem.appendChild(lastFigure);

var firstFigure = lastFigure.cloneNode(true);

------------------------------------

photos.js

var firstFigure = lastFigure.cloneNode(true);

firstFigure.id = "fig1";

firstFigure.style.right = "";

firstFigure.style.left = "45px"

------------------------------------

photos.js

var firstFigure = lastFigure.cloneNode(true);

firstFigure.id = "fig1";

firstFigure.style.right = "";

firstFigure.style.left = "45px"

articleElem.appendChild(firstFigure);

------------------------------------

photos.js

articleElem.appendChild(firstFigure);

document.getElementsByTagName("img")[3].src = "images/IMG\_0"   
 + photoOrder[4] + "sm.jpg";

document.getElementsByTagName("img")[4].src = "images/IMG\_0"   
 + photoOrder[0] + "sm.jpg";

------------------------------------

photos.js

/\* global variables \*/

var photoOrder = [1, 2, 3, 4, 5];

var figureCount = 3;

photos.js

function populateFigures() {

var filename;

var currentFig;

if (figureCount === 3) {

for (var i = 1; i < 4; i++) {

filename = "images/IMG\_0" + photoOrder[i] + "sm.jpg";

currentFig = document.getElementsByTagName("img")[i - 1];

currentFig.src = filename;

}

}

}

------------------------------------

photos.js

else {

for (var i = 0; i < 5; i++) {

filename = "images/IMG\_0" + photoOrder[i] + "sm.jpg";

currentFig = document.getElementsByTagName("img")[i];

currentFig.src = filename;

}

}

------------------------------------

photos.js

figureCount = 5;

}

**Exercise 01\_05\_01 – Step 7**

photos.js

// articleElem.appendChild(lastFigure);

------------------------------------

photos.js

// articleElem.appendChild(lastFigure);

articleElem.insertBefore(lastFigure,  
 document.getElementById("rightarrow"));

------------------------------------

photos.js

// articleElem.appendChild(firstFigure);

------------------------------------

photos.js

// articleElem.appendChild(firstFigure);

articleElem.insertBefore(firstFigure,  
 document.getElementById("fig2"));

------------------------------------

photos.js

document.getElementsByTagName("img")[0].src = "images/IMG\_0"  
 + photoOrder[0] + "sm.jpg";

document.getElementsByTagName("img")[4].src = "images/IMG\_0"  
 + photoOrder[4] + "sm.jpg";

**Exercise 01\_05\_01 – Step 8**

photos.js

function previewFive() {  
. . .

var numberButton = document.querySelector("#fiveButton p");

numberButton.innerHTML = "Show fewer images";

------------------------------------

photos.js

numberButton.innerHTML = "Show fewer images";

if (numberButton.addEventListener) {

numberButton.removeEventListener("click", previewFive,  
 false);

numberButton.addEventListener("click", previewThree,  
 false);

}

else if (numberButton.attachEvent) {

numberButton.detachEvent("onclick", previewFive);

numberButton.attachEvent("onclick", previewThree);

}

------------------------------------

photos.js

function previewThree() {

alert("previewThree() called");

}

------------------------------------

photos.js

function previewThree() {

var articleElem =   
 document.getElementsByTagName("article")[0];

var numberButton = document.querySelector("#fiveButton p");

articleElem.removeChild(document.getElementById("fig1"));

articleElem.removeChild(document.getElementById("fig5"));

}

photos.js

function previewThree() {  
 var articleElem =   
 document.getElementsByTagName("article")[0];

var numberButton = document.querySelector("#fiveButton p");

articleElem.removeChild(document.getElementById("fig1"));

articleElem.removeChild(document.getElementById("fig5"));

figureCount = 3;

numberButton.innerHTML = "Show more images";

if (numberButton.addEventListener) {

numberButton.removeEventListener("click", previewThree,   
 false);

numberButton.addEventListener("click", previewFive,   
 false);

}

else if (numberButton.attachEvent) {

numberButton.detachEvent("onclick", previewThree);

numberButton.attachEvent("onclick", previewFive);

}

}

**Exercise 01\_05\_01 – Step 9**

photos.js

function zoomFig() {

var zoomWindow = window.open("zoom.html", "zoomwin",   
 "width=960,height=600");

}

------------------------------------

photos.js

function zoomFig() {

var zoomWindow = window.open("zoom.html", "zoomwin", "width=960,height=600");

zoomWindow.focus();

}

**Exercise 01\_05\_01 – Step 10**

photos.js

function closeWin() {

window.close();

}

------------------------------------

photos.js

function createEventListener() {

var closeWindowDiv = document.getElementsByTagName("p")[0];

if (closeWindowDiv.addEventListener) {

closeWindowDiv.addEventListener("click", closeWin, false);

} else if (closeWindowDiv.attachEvent) {

closeWindowDiv.attachEvent("onclick", closeWin);

}

}

------------------------------------

photos.js

function pageSetup() {

document.getElementsByTagName("img")[0].src = figFilename;   
 // assign filename to img element

createEventListener();

}

**Exercise 01\_05\_01 – Step 11**

photos.js

/\* global variables \*/

var photoOrder = [1, 2, 3, 4, 5];

var figureCount = 3;

var autoAdvance = setInterval(rightArrow, 5000);

------------------------------------

photos.js

function leftArrow() {

clearInterval(autoAdvance);

for (var i = 0; i < 5; i++) {

if ((photoOrder[i] - 1) === 0) {

photoOrder[i] = 5;

} else {

photoOrder[i] -= 1;

}

populateFigures();

}

}

------------------------------------

photos.js

var figureCount = 3;

var autoAdvance = setInterval(rightAdvance, 5000);

function rightAdvance() {

for (var i = 0; i < 5; i++) {

------------------------------------

photos.js

function rightArrow() {

clearInterval(autoAdvance);

rightAdvance();

}

**Exercise 01\_05\_01 – Step 12**

photos.js

function zoomFig() {

var propertyWidth = 960;

var propertyHeight =600;

var winLeft = ((screen.width - propertyWidth) / 2);

var winTop = ((screen.height - propertyHeight) / 2);

var winOptions = "width=960,height=600,";

winOptions += ",left=" + winLeft;

winOptions += ",top=" + winTop;

var zoomWindow = window.open("zoom.html", "zoomwin",   
 "width=960,height=600");

zoomWindow.focus();

}

------------------------------------

photos.js

function zoomFig() {

var propertyWidth = 960;

var propertyHeight =600;

var winLeft = ((screen.width - propertyWidth) / 2);

var winTop = ((screen.height - propertyHeight) / 2);

var winOptions = "width=960,height=600,";

winOptions += ",left=" + winLeft;

winOptions += ",top=" + winTop;

var zoomWindow = window.open("zoom.html", "zoomwin",   
 winOptions);

zoomWindow.focus();

}

**Project 01\_05\_02**

index.html

<script src="modernizr.custom.05819.js"></script>

<script type="text/javascript" src="confirm.js"></script>

</head>

------------------------------------

confirm.js

function processInput() {

var propertyWidth = 300;

var propertyHeight = 100;

var winLeft = ((screen.width - propertyWidth) / 2);

var winTop = ((screen.height - propertyHeight) / 2);

var winOptions = "width=300,height=100";

winOptions += ",left=" + winLeft;

winOptions += ",top=" + winTop;

window.open("confirm.html", "confirm", winOptions);

}

------------------------------------

confirm.js

function createEventListener() {

var submitButton = document.getElementById("submit");

if (submitButton.addEventListener) {

submitButton.addEventListener("click", processInput, false);

}

else if (submitButton.attachEvent) {

submitButton.attachEvent("onclick", processInput);

}

}

------------------------------------

confirm.js

if (window.addEventListener) {

window.addEventListener("load", createEventListener, false);

}

else if (window.attachEvent) {

window.attachEvent("onload", createEventListener);

}

confirm.js

"use strict";

var confirmWindow;

------------------------------------

confirm.js

function processInput() {

var propertyWidth = 300;

var propertyHeight = 100;

var winLeft = ((screen.width - propertyWidth) / 2);

var winTop = ((screen.height - propertyHeight) / 2);

var winOptions = "width=300,height=100";

winOptions += ",left=" + winLeft;

winOptions += ",top=" + winTop;

confirmWindow = window.open("confirm.html", "confirm",  
 winOptions);

setTimeout("confirmWindow.close()", 5000);

}

confirm.html

<p>Your address has been updated.</p>

<p id="closeB">Close</p>

------------------------------------

confirm.html

</style>

<script type="text/javascript">

function closeWindow() {

window.close();

}

</script>

------------------------------------

confirm.js

<script type="text/javascript">

function closeWindow() {

window.close();

}

function createEventListener() {

var closeButton = document.getElementById("closeB");

if (closeButton.addEventListener) {

closeButton.addEventListener("click",  
 closeWindow, false);

}

else if (closeButton.attachEvent) {

closeButton.attachEvent("onclick", closeWindow);

}

}

------------------------------------

confirm.js

/\* run createEventListener() function when page finishes   
 loading \*/

if (window.addEventListener) {

window.addEventListener("load", createEventListener,   
 false);

}

else if (window.attachEvent) {

window.attachEvent("onload", createEventListener);

}

**Project 01\_05\_05**

index.html

<script src="modernizr.custom.05819.js"></script>

<script type="text/javascript" src="index.js"></script>

</head>

------------------------------------

index.js

/\* global variables \*/

"use strict";

function createTOC() {

var list = document.getElementsByTagName("ul")[0];

alert(list);

var headingText;

var TOCEntry;

}

------------------------------------

index.js

/\* run createTOC() function when page finishes loading \*/

if (window.addEventListener) {

window.addEventListener("load", createTOC, false);

}

else if (window.attachEvent) {

window.attachEvent("onload", createTOC);

}

------------------------------------

index.js

for (var i = 1; i <= 10; i++) {

headingText = document.getElementById(i).innerHTML;

alert(headingText);

}

index.js

function createTOC() {

var list = document.getElementsByTagName("ul")[0];

var headingText;

var TOCEntry;

for (var i = 1; i <= 10; i++) {

headingText = document.getElementById(i).innerHTML;

TOCEntry = document.createElement("li");

}

}

------------------------------------

index.js

function createTOC() {

var list = document.getElementsByTagName("ul")[0];

var headingText;

var TOCEntry;

for (var i = 1; i <= 10; i++) {

headingText = document.getElementById(i).innerHTML;

TOCEntry = document.createElement("li");

TOCEntry.innerHTML = "<a href=#" + i + ">" + headingText   
 + "</a>";

}

}

------------------------------------

index.js

function createTOC() {

var list = document.getElementsByTagName("ul")[0];

var headingText;

var TOCEntry;

for (var i = 1; i <= 10; i++) {

headingText = document.getElementById(i).innerHTML;

TOCEntry = document.createElement("li");

TOCEntry.innerHTML = "<a href=#" + i + ">" + headingText   
 + "</a>";

list.appendChild(TOCEntry);

}

}