**Exercise 01\_06\_01 – Step 2**

snoot.html

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

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

snoot.js

"use strict";

function removeSelectDefaults() {

var emptyBoxes = document.getElementsByTagName("select");

alert("select lists: " + emptyBoxes.length);

}

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

snoot.js

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

if (window.addEventListener) {

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

}

else if (window.attachEvent) {

window.attachEvent("onload", removeSelectDefaults);

}

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

snoot.js

for (var i = 0; i <= emptyBoxes.length; i++) {

emptyBoxes[i].selectedIndex = -1;

}

**Exercise 01\_06\_01 – Step 3**

snoot.js

"use strict";

var twentyNine = document.createDocumentFragment();

var thirty = document.createDocumentFragment();

var thirtyOne = document.createDocumentFragment();

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

snoot.js

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

if (window.addEventListener) {

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

}

else if (window.attachEvent) {

window.attachEvent("onload", setUpPage);

}

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

snoot.js

function setUpPage() {

removeSelectDefaults();

}

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

snoot.js

function setUpDays() {

var dates = document.getElementById("delivDy").  
 getElementsByTagName("option");

twentyNine.appendChild(dates[28].cloneNode(true));

thirty.appendChild(dates[28].cloneNode(true));

thirty.appendChild(dates[29].cloneNode(true));

thirtyOne.appendChild(dates[28].cloneNode(true));

thirtyOne.appendChild(dates[29].cloneNode(true));

thirtyOne.appendChild(dates[30].cloneNode(true));

}

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

snoot.js

function updateDays() {

var deliveryDay = document.getElementById("delivDy");

var dates = deliveryDay.getElementsByTagName("option");

var deliveryMonth = document.getElementById("delivMo");

var deliveryYear = document.getElementById("delivYr");

var selectedMonth = deliveryMonth.options[deliveryMonth.  
 selectedIndex].value;

}

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

snoot.js

var selectedMonth = deliveryMonth.options[deliveryMonth.  
 selectedIndex].value;

while (dates[28]) {

deliveryDay.removeChild(dates[28]);

}

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

snoot.js

while (dates[28]) {

deliveryDay.removeChild(dates[28]);

}

if (deliveryYear.selectedIndex === -1) {

deliveryYear.selectedIndex = 0;

}

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

snoot.js

if (selectedMonth === "2" &&

deliveryYear.options[deliveryYear.selectedIndex].value   
 === "2020") {

deliveryDay.appendChild(twentyNine.cloneNode(true));

}

else if (selectedMonth === "4" || selectedMonth ==="6" ||

selectedMonth === "9" || selectedMonth === "11") {

deliveryDay.appendChild(thirty.cloneNode(true));

}

else if (selectedMonth === "1" || selectedMonth ==="3" ||

selectedMonth === "5" || selectedMonth === "7" ||

selectedMonth === "8" || selectedMonth === "10" ||

selectedMonth === "12") {

deliveryDay.appendChild(thirtyOne.cloneNode(true));

}

snoot.js

function createEventListeners() {

var deliveryMonth = document.getElementById("delivMo");

if (deliveryMonth.addEventListener) {

deliveryMonth.addEventListener("change", updateDays,   
 false);

}

else if (deliveryMonth.attachEvent) {

deliveryMonth.attachEvent("onchange", updateDays);

}

}

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

snoot.js

var deliveryYear = document.getElementById("delivYr");

if (deliveryYear.addEventListener) {

deliveryYear.addEventListener("change", updateDays, false);

} else if (deliveryYear.attachEvent) {

deliveryYear.attachEvent("onchange", updateDays);

}

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

snoot.js

function setUpPage() {

removeSelectDefaults();

setUpDays();

createEventListeners();

}

**Exercise 01\_06\_01 – Step 4**

snoot.js

var messageBox = document.getElementById("customText");

if (messageBox.addEventListener) {

messageBox.addEventListener("change", autoCheckCustom,   
 false);

}

else if (messageBox.attachEvent) {

messageBox.attachEvent("onchange", autoCheckCustom);

}

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

snoot.js

function autoCheckCustom() {

var messageBox = document.getElementById("customText");

}

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

snoot.js

function autoCheckCustom() {

var messageBox = document.getElementById("customText");

if (messageBox.value !== "" &&   
 messageBox.value !== messageBox.placeholder) {

document.getElementById("custom").checked = "checked";

}

else {

document.getElementById("custom").checked = "";

}

}

**Exercise 01\_06\_01 – Step 5**

snoot.js

function copyBillingAddress() {

var billingInputElements =   
 document.querySelectorAll("#billingAddress input");

var deliveryInputElements =   
 document.querySelectorAll("#deliveryAddress input");

}

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

snoot.js

function copyBillingAddress() {

var billingInputElements =   
 document.querySelectorAll("#billingAddress input");

var deliveryInputElements =   
 document.querySelectorAll("#deliveryAddress input");

if (document.getElementById("sameAddr").checked) {

for (var i = 0; i < billingInputElements.length; i++) {

deliveryInputElements[i +1].value =   
 billingInputElements[i].value;

}

document.querySelector("#deliveryAddress select").value   
 = document.querySelec

tor("#billingAddress   
 select").value;

}

}

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

snoot.js

var same = document.getElementById("sameAddr");

if (same.addEventListener) {

same.addEventListener("change", copyBillingAddress,   
 false);

}

else if (same.attachEvent) {

same.attachEvent("onchange", copyBillingAddress);

}

snoot.js

else {

for (var i = 0; i < billingInputElements.length; i++) {

deliveryInputElements[i + 1].value = "";

}

document.querySelector("#deliveryAddress   
 select").selectedIndex = -1;

}

**Exercise 01\_06\_01 – Step 6**

snoot.html

<form action="results.htm" novalidate="novalidate">

**Exercise 01\_06\_01 – Step 7**

snoot.js

/\* global variables \*/

var twentyNine = document.createDocumentFragment();

var thirty = document.createDocumentFragment();

var thirtyOne = document.createDocumentFragment();

var formValidity = true;

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

snoot.js

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

if (form.addEventListener) {

form.addEventListener("submit", validateForm, false);

}

else if (form.attachEvent) {

form.attachEvent("onsubmit", validateForm);

}

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

snoot.js

function validateForm() {

alert("validateForm()");

}

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

snoot.js

function validateForm(evt) {

if (evt.preventDefault) {

evt.preventDefault();

}

else {

evt.returnValue = false;

}

formValidity = true;

}

snoot.js

formValidity = true;

if (formValidity === true) {

document.getElementById("errorText").innerHTML = "";

document.getElementById("errorText").style.display =   
 "none";

document.getElementsByTagName("form")[0].submit();

}

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

snoot.js

else {

document.getElementById("errorText").innerHTML = "Please   
 fix the indicated problems and then resubmit your   
 order.";

document.getElementById("errorText").style.display =   
 "block";

scroll(0,0);

}

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

snoot.js

function validateForm(evt) {

if (evt.preventDefault) {

evt.preventDefault();

}

else {

evt.returnValue = false;

}

formValidity = false;

**Exercise 01\_06\_01 – Step 8**

snoot.js

function validateAddress(fieldsetId) {

}

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

snoot.js

function validateAddress(fieldsetId) {

var inputElements = document.querySelectorAll("#" +   
 fieldsetId + " input");

var errorDiv = document.querySelectorAll("#" + fieldsetId +   
 " .errorMessage")[0];

var fieldsetValidity = true;

var elementCount = inputElements.length;

var currentElement;

}

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

snoot.js

var currentElement;

try {

alert("I am executing the try clause");

}

catch(msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

formValidity = false;

}

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

snoot.js

formValidity = true;

validateAddress("billingAddress");

validateAddress("deliveryAddress");

snoot.js

try {

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

currentElement = inputElements[i];

if (currentElement.value === "") {

debugger;

currentElement.style.background =   
 "rgb(255,233,233)";

fieldsetValidity = false;

}

else {

currentElement.style.background = "white";

}

}

}

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

snoot.js

try {

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

currentElement = inputElements[i];

if (currentElement.value === "") {

debugger;

currentElement.style.background =   
 "rgb(255,233,233)";

fieldsetValidity = false;

}

else {

currentElement.style.background = "white";

}

}

if (fieldsetValidity === false) {

if (fieldsetId === "billingAddress") {

throw "Please complete all Billing Address   
 information.";

}

else {

throw "Please complete all Delivery Address   
 information.";

}

}

else {

errorDiv.style.display = "none";

errorDiv.innerHTML = "";

}

}

**Exercise 01\_06\_01 – Step 9**

snoot.js

try {

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

currentElement = inputElements[i];

if (currentElement.value === "") {

currentElement.style.background =   
 "rgb(255,233,233)";

fieldsetValidity = false;

}

else {

currentElement.style.background = "white";

}

}

currentElement = document.querySelector("#" + fieldsetId   
 + " select");

if (currentElement.selectedIndex === -1) {

currentElement.style.border = "1px solid red";

fieldsetValidity = false;

}

else {

currentElement.style.border = "";

}

if (fieldsetValidity === false) {

if (fieldsetId === "billingAddress") {

throw "Please complete all Billing Address   
 information.";

}

else {

throw "Please complete all Delivery Address   
 information.";

}

}

else {

errorDiv.style.display = "none";

errorDiv.innerHTML = "";

}

}

**Exercise 01\_06\_01 – Step 10**

snoot.js

function validateDeliveryDate() {

}

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

snoot.js

function validateDeliveryDate() {

var selectElements =   
 document.querySelectorAll("#deliveryDate select");

var errorDiv = document.querySelectorAll("#deliveryDate   
 .errorMessage");

var fieldsetValidity = true;

var elementCount = selectElements.length;

var currentElement;

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

snoot.js

try {

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

currentElement = selectElements[i];

if (currentElement.selectedIndex === -1) {

currentElement.style.border = "1px solid red";

fieldsetValidity = false;

} else {

currentElement.style.border = "";

}

}

if (fieldsetValidity === false) {

throw "Please specify a Delivery Date.";

} else {

errorDiv.style.display = "none";

errorDiv.innerHTML = "";

}

} catch (msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

formValidity = false;

}

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

snoot.js

validateDeliveryDate();

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

snoot.js

var deliveryYear = document.getElementById("delivYr");

if (deliveryMonth.selectedIndex === -1) {

return

}

**Exercise 01\_06\_01 – Step 11**

snoot.js

function validatePayment() {

}

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

snoot.js

function validatePayment() {

var errorDiv = document.querySelector("#paymentInfo   
 .errorMessage");

var fieldsetValidity = true;

var ccNumElement = document.getElementById("ccNum");

var selectElements = document.querySelectorAll("#paymentInfo   
 select");

var elementCount = selectElements.length;

var cvvElement = document.getElementById("cvv");

var cards = document.getElementsByName("PaymentType");

var currentElement;

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

snoot.js

try {

alert("In the try block");

if (fieldsetValidity === false) {

throw "Please complete all Payment information.";

} else {

errorDiv.style.display = "none";

errorDiv.innerHTML = "";

}  
 } catch (msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

formValidity = false;

}

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

snoot.js

validateDeliveryDate();

validatePayment();

snoot.js

try {

if (!cards[0].checked && !cards[1].checked &&   
 !cards[2].checked && !cards[3].checked) {

for (var i = 0; i < cards.length; i++) {

cards[i].style.outline = "1px solid red";

}

fieldsetValidity = false;

}

else {

for (var i = 0; i < cards.length; i++) {

cards[i].style.outline = "";

}

}

if (fieldsetValidity === false) {

throw "Please complete all Payment information.";

} else {

errorDiv.style.display = "none";

errorDiv.innerHTML = "";

}

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

snoot.js

if (ccNumElement.value === "") {

ccNumElement.style.background = "rgb(255,233,233)";

fieldsetValidity = false;

} else {

ccNumElement.style.background = "white";

}

if (fieldsetValidity === false) {

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

snoot.js

for (var i = 0; i < selectElements.length; i++) {

currentElement = selectElements[i];

if (currentElement.selectedIndex === -1) {

currentElement.style.border = "1px solid red";

fieldsetValidity = false;

} else {

currentElement.style.border = "";

}

}

if (fieldsetValidity === false) {

snoot.js

if (cvvElement.value === "") {

cvvElement.style.background = "rgb(255,233,233)";

fieldsetValidity = false;

} else {

cvvElement.style.background = "white";

}

if (fieldsetValidity === false) {

**Exercise 01\_06\_01 – Step 12**

snoot.js

function validateMessage() {

}

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

snoot.js

var errorDiv = document.querySelector("#message   
 .errorMessage");

var msgBox = document.getElementById("customText");

var fieldsetValidity = true;

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

snoot.js

try {

alert("In the try block");

if (fieldsetValidity === false) {

throw "Please enter your Message text.";

} else {

errorDiv.style.display = "none";

errorDiv.innerHTML = "";

}

} catch (msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

msgBox.style.background ="rgb(255,233,233)";  
 formValidity = false;

}

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

snoot.js

validatePayment();

validateMessage();

snoot.js

try {

if (document.getElementById("custom").checked &&   
 ((msgBox.value === "") || (msgBox.value ===   
 msgBox.placeholder))) {

throw "Please enter your Message text.";

} else {

errorDiv.style.display = "none";

msgBox.style.background = "white";

}

} catch (msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

msgBox.style.background = "rgb(255,233,233)";

formValidity = false;

}

**Exercise 01\_06\_01 – Step 13**

snoot.js

function validateCreateAccount() {

}

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

snoot.js

validateMessage();

validateCreateAccount();

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

snoot.js

var errorDiv = document.querySelector("#createAccount   
 .errorMessage");

var usernameElement = document.getElementById("username");

var pass1Element = document.getElementById("pass1");

var pass2Element = document.getElementById("pass2");

var passwordMismatch = false;

var invColor = "rgb(255,233,233)";

var fieldsetValidity = true;

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

snoot.js

function validateCreateAccount() {

var errorDiv = document.querySelector("#createAccount   
 .errorMessage");

var usernameElement = document.getElementById("username");

var pass1Element = document.getElementById("pass1");

var pass2Element = document.getElementById("pass2");

var passwordMismatch = false;

var invColor = "rgb(255,233,233)";

var fieldsetValidity = true;

try {

alert("In the try block");

} catch (msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

formValidity = false;

}

}

snoot.js

try {

usernameElement.style.background = "";

pass1Element.style.background = "";

pass2Element.style.background = "";

errorDiv.style.display = "none";

if (usernameElement.value !== "" &&   
 pass1Element.value !== "" &&   
 pass2Element.value !== "") {

if (pass1Element.value !== pass2Element.value) {

passwordMismatch = true;

throw "Passwords entered do not match, please   
 reenter.";

}

}

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

snoot.js

usernameElement.style.background = "";

pass1Element.style.background = "";

pass2Element.style.background = "";

errorDiv.style.display = "none";

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

snoot.js

} catch (msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

pass1Element.style.background = invColor;

pass2Element.style.background = invColor;

formValidity = false;

if (passwordMismatch) {

usernameElement.style.background = "";

}

}

snoot.js

else if (usernameElement.value === "" && pass1Element.value   
 === "" && pass2Element.value === "") {

fieldsetValidity = true;

}

else {

fieldsetValidity = false;

throw "Please enter all fields to Create Account.";

}

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

snoot.js

if (passwordMismatch) {

usernameElement.style.background = "";

}

else {

usernameElement.style.background = invColor;

}

**Project 01\_06\_01**

index.html

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

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

index.html

<form action="results.html" novalidate="novalidate">

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

script.js

"use strict";

/\* global variables \*/

var formValidity = true;

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

script.js

/\* run setup functions when page finishes loading \*/

if (window.addEventListener) {

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

} else if (window.attachEvent) {

window.attachEvent("onload", createEventListeners);

}

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

script.js

function createEventListeners() {

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

if (form.addEventListener) {

form.addEventListener("submit", validateForm, false);

} else if (form.attachEvent) {

form.attachEvent("onsubmit", validateForm);

}

}

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

script.js

function validateForm() {

alert("validateForm()");

}

script.js

function validateForm(evt) {

if (evt.preventDefault) {

evt.preventDefault();

} else {

evt.returnValue = false;

}

formValidity = true;

}

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

script.js

function validateForm(evt) {

if (evt.preventDefault) {

evt.preventDefault();

} else {

evt.returnValue = false;

}

formValidity = true;

if (formValidity === true) {

document.getElementsByTagName("form")[0].submit();

}

}

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

script.js

validateRequired();

if (formValidity === true) {

document.getElementsByTagName("form")[0].submit();

}

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

script.js

function validateRequired() {

}

script.js

function validateRequired() {

var inputElements = document.querySelectorAll("#contactinfo   
 input");

var errorDiv = document.getElementById("errorText");  
 var elementCount = inputElements.length;

var requiredValidity = true;

var currentElement

}

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

script.js

function validateRequired() {

var inputElements = document.querySelectorAll("#contactinfo   
 input");

var errorDiv = document.getElementById("errortext");

var elementCount = inputElements.length;

var requiredValidity = true;

var currentElement

try {

alert("I am executing the try clause");

}   
 catch (msg) {

errorDiv.style.display = "block";

errorDiv.innerHTML = msg;

formValidity = false;

}

*}*

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

script.js

try {

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

currentElement = inputElements[i];

if (currentElement.value === "") {

debugger;

currentElement.style.background =   
 "rgb(255,233,233)";

requiredValidity = false;

} else {

currentElement.style.background = "white";

}

}

}

script.js

try {

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

currentElement = inputElements[i];

if (currentElement.value === "") {

currentElement.style.background =   
 "rgb(255,233,233)";

requiredValidity = false;

} else {

currentElement.style.background = "white";

}

}

if (requiredValidity === false) {

throw "Please complete all fields.";

}

errorDiv.style.display = "none";

errorDiv.innerHTML = "";

}