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// Hands on project 6-3
//Dylan Sieren
// 4/1/19
"use strict";
var formValidity = true;
var button = document.getElementById('submitBtn');
/* Validate required fields */
function validateRequired() {
    var inputElements = document.querySelectorAll('#contactinfo input');
    var errorDiv = document.getElementById('errorText');
    var elementCount = inputElements.length;
    var requiredValidity = true;
    var currentElement;

    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 = "";
    }
    catch (msg) {
        errorDiv.style.display ="block";
        errorDiv.innerHTML = msg;
        formValidity = false;
    }
}

function createEventListeners() {
    var form = document.getElementsByTagName("form")[0];
    if(form.addEventListener) {
        form.addEventListener('submit', validateForm, false);
    } else if (form.attachEvent) {
        form.attachEvent('onsubmit', validateForm);
    }
    var ssnFields = document.getElementsByClassName('ssn');
    for(var i = 0; i < ssnFields.length; i++) {
        if(ssnFields[i].addEventListener) {
            ssnFields[i].addEventListener('input', advanceSsn, false);
        } else if(ssnFields[i].attachEvent) {
            ssnFields[i].attachEvent('oninput', advanceSsn);
        }
    }
}

function validateForm(evt) {
    if(evt.preventDefault) {
        evt.preventDefault(); // prevent form from submitting
    } else {
        evt.returnValue = false;
    }
    formValidity = true; // reset value for revalidation
    validateRequired();
    validateNumbers();
    if(formValidity === true) {
        document.getElementsByTagName('form')[0].submit();
    }
}
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    }  
  }  
  
function validateNumbers() {  
  var numberInputs = document.querySelectorAll('#contactinfo input[type=number]');  
  var elementCount = numberInputs.length;  
  var numErrorDiv = document.getElementById('numErrorText');  
  var numbersValidity = true;  
  var currentElement;  
  
  try {  
    for(var i =0; i < elementCount; i++) {  
      currentElement = numberInputs[i];  
      if(isNaN(currentElement.value) || (currentElement.value === "")) {  
        currentElement.style.background = "rgb(255, 233,233)";  
      }  
      else {  
        currentElement.style.background = "white";  
      }  
    }  
    if( numbersValidity === false) {  
      throw "Zip and social security values must be numbers.";  
    }  
    numErrorDiv.style.display = "none";  
    numErrorDiv.innerHTML = "";  
  }  
  catch(msg) {  
    numErrorDiv.style.display = "block";  
    numErrorDiv.innerHTML = msg;  
    formValidity = false;  
  }  
}  
  
function zeroPlaceholder() {  
  var addressBox = document.getElementById('addrinput');  
  addressBox.style.color = "black";  
  if(addressBox.value === addressBox.placeholder) {  
    addressBox.value = ""  
  }  
}  
  
function checkPlaceholder() {  
  var addressBox = document.getElementById("addrinput");  
  if(addressBox.value === "") {  
    addressBox.style.color = "rgb(178,184,183)";  
    addressBox.value = addressBox.placeholder;  
  }  
}  
  
function generatePlaceholder() {  
  if(modernizr.input.placeholder) {  
    var addressBox = document.getElementById('addrinput');  
    addressBox.value = addressBox.placeholder;  
    addressBox.style.color = "rgb(178,184,183)";  
    if(addressBox.addEventListener) {  
      addressBox.addEventListener('focus', zeroPlaceholder, false);  
      addressBox.addEventListener('blur', checkPlaceholder, false);  
    } else if(addressBox.attachEvent) {  
      addressBox.attachEvent('onfocus', zeroPlaceholder);  
      addressBox.attachEvent('onblur', checkPlaceholder);  
    }  
  }  
}  
  
function setUpPage() {
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        createEventListeners();
        generatePlaceholder();
    }

    function advanceSsn() {
        var ssnFields = document.getElementsByClassName('ssn');
        var currentField = document.activeElement;
        if (currentField.value.length === currentField.maxLength) {
            if(currentField === ssnFields[0]) {
                ssnFields[1].focus();
            }
            if(currentField === ssnFields[1]) {
                ssnFields[2].focus();
            }
            if(currentField === ssnFields[2]) {
                document.getElementById('submitBtn').focus();
            }
        }
    }
}

if(window.addEventListener) {
    window.addEventListener('load', setUpPage, false);
} else if (window.attachEvent) {
    window.attachEvent('onload', setUpPage);
}
```