```
 // 6-5
 // DS
 // 4/1/19
 var formValidity = true;

 function removeSelectDefault() {
     var selectBox = document.getElementById('size');
     selectBox.selectedIndex = -1;
     selectBox.style.boxShadow = "none";
 }
 function setUpPage() {
     removeSelectDefault();
     createEventListeners();
     generatePlaceholder();
 }

 function zeroPlaceholder() {
     var instrBox = document.getElementById('instructions');
     instrBox.style.color ="black";
     if(instrBox.value === instrBox.placeholder) {
         instrBox.value =""
     }
 }

 function checkPlaceholder() {
     var instrBox = document.getElementById("instructions");
     if(instrBox.value === "")   {
         instrBox.style.color ="rgb(178,184,183)";
         instrBox.value = instrBox.placeholder;
     }
 }

 function generatePlaceholder() {
     if(!Modernizr.input.placeholder) {
         var instrBox = document.getElementById('instructions');
         instrBox.value = instrBox.placeholder;
         instrBox.style.color = "rgb(178,184,183)";
         if(instrBox.addEventListener) {
             instrBox.addEventListener('focus', zeroPlaceholder, false);
             instrBox.addEventListener('blue', checkPlaceholder, false);
         } else if(instrBox.attachEvent) {
             instrBox.attachEvent('onfocus', zeroPlaceholder);
             instrBox.attachEvent('onblur', checkPlaceholder);
         }
     }
 }
 function validateRequired() {
     var inputElements = document.querySelectorAll('input[required]');
     var errorDiv = document.getElementById("errorMessage");
     var crustBoxes = document.getElementsByName("crust");
     var fieldsetValidity = true;
     var elementCount = inputElements.length;
     var currentElement;

     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";
             }
         }
```

```javascript
            currentElement = document.querySelectorAll("select")[0];
            if(currentElement.selectedIndex === -1) {
                currentElement.style.border ="1px solid red";
                fieldsetValidity = false;
            } else {
                currentElement.style.border ="";
            }
            if(!crustBoxes[0].checked && !crustBoxes[1].checked) {
                crustBoxes[0].style.outline = "1px solid red";
                crustBoxes[1].style.outline = "1px solid red";
                fieldsetValidity = false;
            } else {
                crustBoxes[0].style.outline = "";
                crustBoxes[1].style.outline = "";
            }
            if(fieldsetValidity === false) {
                throw "please complete all required fields.";
            } else {
                errorDiv.style.display = "none";
                errorDiv.innerHTML = "";
            }
        }
        catch(msg) {
            errorDiv.style.display ="block";
            errorDiv.innerHTML = msg;
            formValidity = false;
        }
    }
    /* validate form */
    function validateForm(evt) {
        if(evt.preventDefault) {
            evt.preventDefault();
        } else {
            evt.returnValue = false;
        }
        formValidity = true;
        validateRequired();
        if(formValidity === true) {
            document.getElementById('errorMessage').innerHTML ="";
            document.getElementById('errorMessage').style.display ="none";
            document.getElementsByTagName('form')[0].submit();
        } else {
            document.getElementById('errorMessage').innerHTML =" please complete the highlighted
    fields.";
            document.getElementById('errorMessage').style.display ="block";
            scroll(0,0);
        }
    }
    function createEventListeners() {
        var orderForm = document.getElementsByTagName('form')[0];
        if(orderForm.addEventListener) {
            orderForm.addEventListener('submit', validateForm, false);
        } else if(orderForm.attachEvent) {
            orderForm.attachEvent('onsubmit', validateForm);
        }
    }

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