



**Computer Science Department**  
**Web Application and Technologies (COMP 334)**  
**Spring 2018**

**Assignment 3: JavaScript**

**Due Date 17/05/2018**

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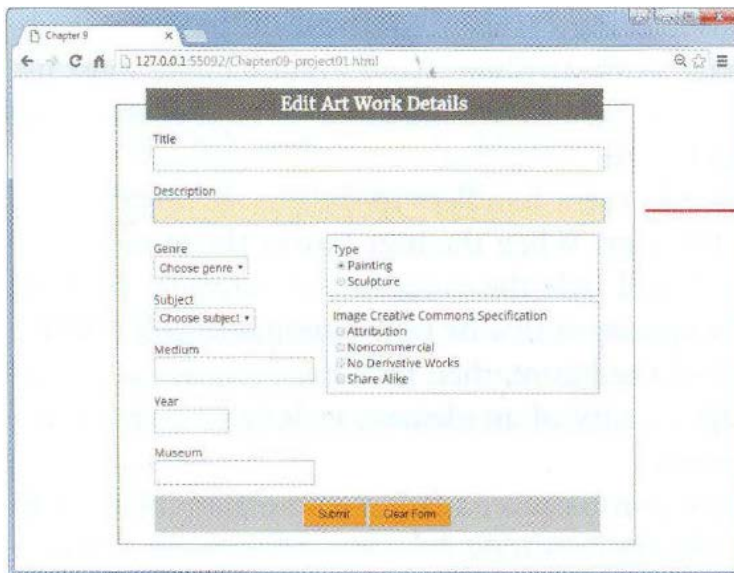
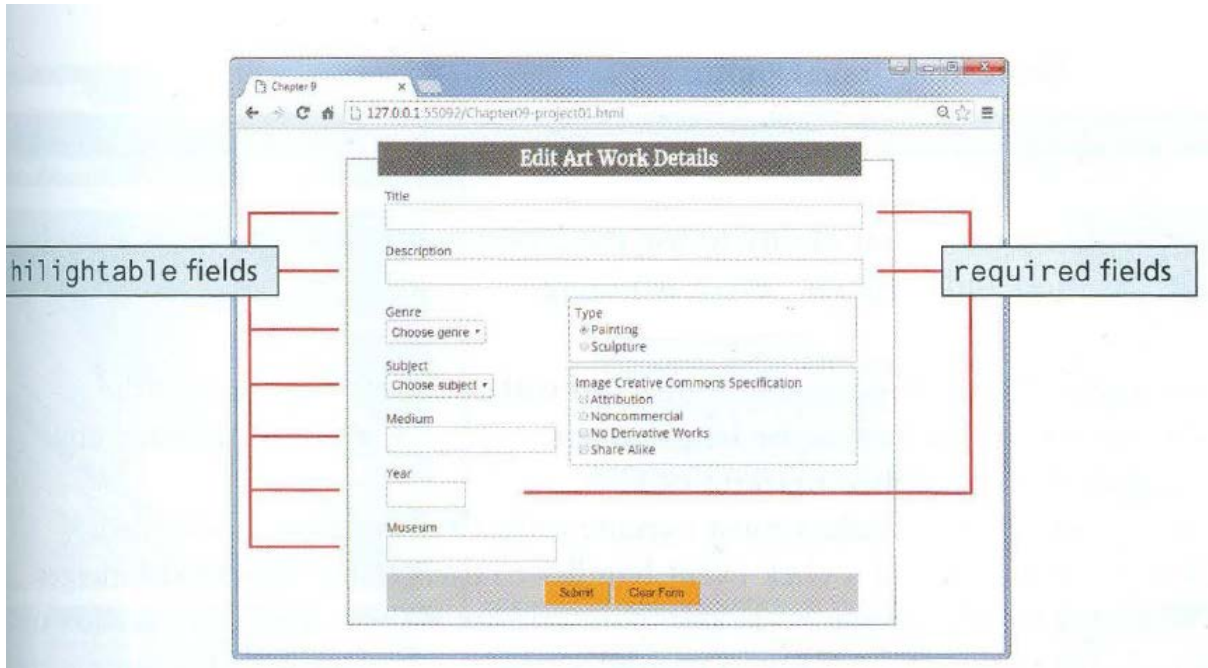
**Assignment Objective:**

You will demonstrate, your ability to respond to events, select and modify elements via the DOM, and to validate form data.

**Overview**

**Instructions**

1. You have been provided with the HTML file (ass3.html) that represents the data entry form shown in three figures below. Examine this file in browser.
2. You will notice that some of the form elements have the CSS class *highlightable* specified in their class attribute. Add listeners to the focus and blur events of all elements that have this *highlightable* class. In your event handlers for these two events, simply toggle the class *highlight* (which is in the provided CSS file). This will change the styling of the current form element. Be sure to set up these listeners after the page has loaded.
3. You will notice that some of the form elements have the CSS class *required* specified in their class attribute. We will not submit the form if these elements are empty. Add an event handler for the submit event of the form. In this handler, if any of the *required* form elements are empty, add the CSS class *error* to any of the empty elements. As well, cancel the submission of the form (hint: use the *preventDefault()* method).
4. Add the appropriate handler for these required controls that will remove the CSS class *error* that have changed content.



Add handlers for the focus and blur events. These handlers will toggle (add or remove) the class highlight

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:55092/Chapter09-project01.html". The page title is "Edit Art Work Details". The form contains the following fields and controls:

- Title:** A text input field with a red border and a red error icon.
- Description:** A text input field with a red border and a red error icon.
- Genre:** A dropdown menu with the text "Choose genre".
- Type:** A radio button group with options "Painting" (selected) and "Sculpture".
- Subject:** A dropdown menu with the text "Choose subject".
- Image Creative Commons Specification:** A group of radio buttons with options "Attribution", "Noncommercial", "No Derivative Works", and "Share Alike".
- Medium:** A text input field.
- Year:** A text input field with a red border and a red error icon.
- Museum:** A text input field.
- Buttons:** "Submit" and "Clear Form" buttons at the bottom.

When user submits, if any of the required fields is empty, then add the class error to the required elements

Add handler for the submit event of the form