IT 353 - Homework 04 – JavaScript Events

In this exercise you will demonstrate your ability to respond to events, select and modify elements via the DOM, and to validate form data.

You have been provided with the HTML file (**homework04.html**) that represents the data entry form shown in the figure next page. Examine this file in browser. The **styles.css** is also provided for you, contains the style for the class error as well. No need to change **styles.css**. You will write your javascript codes in **homework04.js**

1) (15 pts) Add listeners to the focus and blur events of all elements that have this *hilightable* class. In your event handlers for these two events, create a setbackground() function that will change the styling of the current form element depending if in focus or blur. Be sure to set up these listeners after the page has loaded.

2) (15 pts) Some of the form elements have the CSS class *required* specified in their class attribute. The form should not be submitted 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).

3) (10 pts) Add the appropriate handler for these required controls that will remove the CSS class error that have changed content.

4) (5 pts) Update the footer of the **homework.html** with your name.

5) (5 pts) Testing the form in the browser (Chrome). Verify the highlighting functionality works by tabbing from field to field. Try submitting the form with blank fields to verify the error formatting works. Verify the error formatting is removed if you add content and then resubmit.

Submission of your work
Web Server:
Make the appropriate changes in your **index.html** so it links to your **homework04.html** web page.
Once you finished your homework, copy your **hw04** files to the server. And test it by opening a browser (Chrome) and typing http://yourServerIP/index.html
Not having your homework on the server will affect your grade.
Remember to organize your files: create a directory **hw04**, that contains **homework04.html,** the **js** folder with **homework04.js,** the **css** folder with **styles.css,** in this directory.

Reggienet:
Zip your **hw04** folder (contains the completed **homework04.html,** the **js** folder with **homework04.js** the **css** folder with **styles.css**) and attach it to this submission.

hilightable fields — Edit Art Work Details form (Title, Description, Genre, Type, Subject, Image Creative Commons Specification, Medium, Year, Museum, Submit, Clear Form) — **required fields**

Add handlers for the focus and blur events

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