

Week 6 Practical Exercises

Note:

- Exercise 1 will be assessed as part of the Practical Set 1 submission.
- Include HTML comments for your student ID, Name, and Practical Class Time at the top of each source file created.
- All files must be uploaded to your TWA web site before submission of Practical Set 1.

Objectives:

- Write JavaScript to perform mandatory field validation on different input types.
- Write JavaScript to perform numeric value and format specific validation.
- Write JavaScript to modify CSS properties/values.
- Write JavaScript to control form submission.
- Complete exercises 1 below and upload the solution to your TWA web site in folders indicated in the exercise. Test and validate the pages.

Suggested Resources:

CSS tutorial https://www.w3schools.com/css/default.asp
CSS reference https://www.w3schools.com/cssref/default.asp
CSS validator https://jigsaw.w3.org/css-validator/
HTML tutorial https://www.w3schools.com/html/default.asp
HTML 5 tutorial https://www.w3schools.com/html/html5_intro.asp
HTML tag list https://www.w3schools.com/tags/default.asp
HTML validator https://validator.w3.org

Exercise 1:

This exercise is an extension of the week 5 form exercise.

- Make a copy of your week5Styles.css file and name it week6Styles.css. Upload week6Styles.css in the practicals/css folder on your TWA web site.
- Upload your week 5 PatientForm.html file in the practicals/week6 folder on your TWA web site.
- Change the css link in week6/PatientForm.html to use week6Styles.css
- Make a copy of your week5validation.js file and name it week6validation.js. Upload week6validation.js in the practicals/javascript folder on your TWA web site.
- Link week6/PatientForm.html to use week6validation.js.

In this exercise you are to write JavaScript code in week6validation.js that

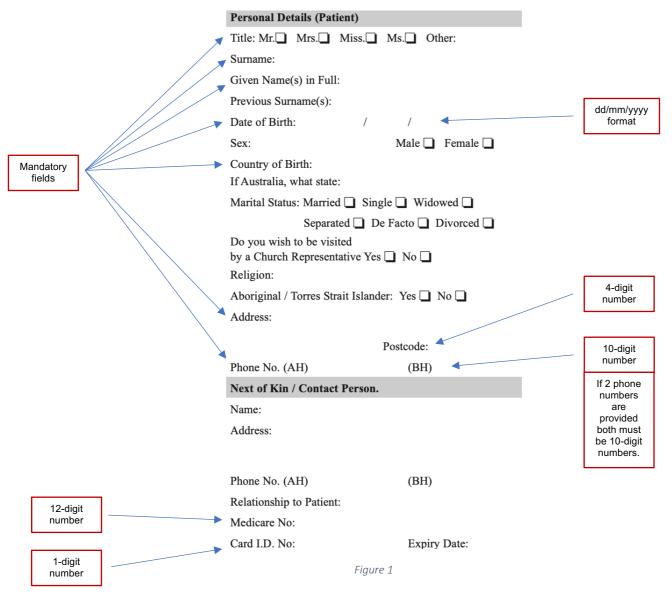
- I. performs the indicated validations,
- II. uses in-page (DOM) notifications for all user error messages (ie, do not use alert boxes),
- III. ensures that the form does not submit if there are any validation errors.

Figure 1 on the following page shows the details of these requirements in reference to the week 4 form.

You may need to change some of your chosen input devices in the form to fulfill the requirements of this exercise. If this is the case, make the changes to your form in week6/PatientForm.html only. For example, if in the week 4 exercise you used the number input type for postcode you will need to change this to type text. In other words, the stated functionality must be achieved by JavaScript not by HTML 5 validation controls.

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