Principles of Web Development

Mini Assignment 7
Due: October 24, 2020 on PeerGrade at 23:59 (code)
Due: October 27, 2020 on PeerGrade at 23:59 (peer evaluation)
Due: October 29, 2020 on PeerGrade at 23:59 (grade critique)

In this mini assignment, you will create a **new** HTML document that will use the <form> tag and JavaScript to make it interactive. Prettiness and being interactive are **important** for this assignment. Note, responsiveness is **not** important for this assignment.

This is a PeerGrade assignment. You will create the webpage and then submit it to PeerGrade for your classmates to evaluate. It may be helpful to complete this week's lab before doing this assignment.

Please do the following:

Below you see two images of a registration form called **register.html**. The first image shows the page before the user interacted with it. The second image shows the page after the user incorrectly interacted with it. The page does not look pretty.

Image #1

a) A sample registration form in which the user has not filled in the required fields, but attempts to submit the form anyway by clicking **Register**.
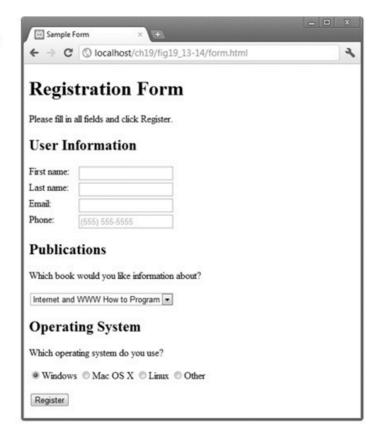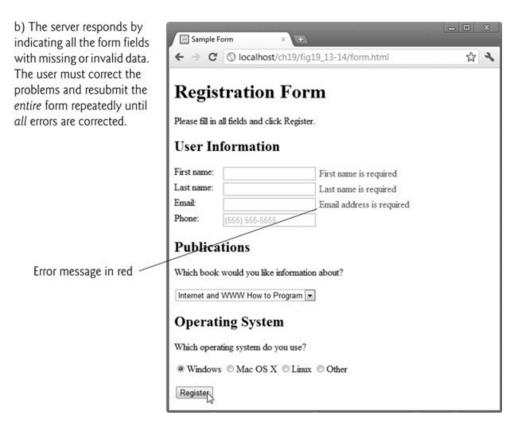
Image #2

b) The server responds by indicating all the form fields with missing or invalid data. The user must correct the problems and resubmit the *entire* form repeatedly until *all* errors are corrected.

Error message in red

The page was not reloaded as in a traditional application. The page was locally updated by modifying the DOM and seeing that result immediately on the screen.

Your job is to:

1. Create the above form. Note the action and method attributes will be left blank. The submit button will not call the backend. This is a local application.
2. Use JS to display the errors messages as described. Consult this week's lab for help.
3. Use HTML5 input attributes where ever possible, like the phone number input.
4. Place random computer science books in the dropdown, including the one shown in the image.
5. After a book has been selected display, below the section, in green, the name of the book as confirmation of their selection. The selection should display --- pick a book --- as the default.
6. The submit button should not work when there are errors on the page. Prevent the submit button from processing the submit operation when an error exists. Instead, the submit button will use the alert() function to display the message "Please correct the errors on the page and submit again". Once the user corrects the errors then the submit button should work without error message.
7. Make this webpage pretty using CSS and HTML. Please be creative.
   a. Your peer's will be asked to evaluate both how interactive the page is and whether it is nice to look at.
8. Do not make the page responsive. Assume the page fits on a fixed screen of 800 pixels wide.

WHAT TO HAND IN

- A single HTML page called register.html.
- Submit this to PeerGrade

HOW IT WILL BE GRADED

Students will be asked to evaluate the following:
- Does the page work?
- Does it satisfy all the interactive requirements?
- Is the page pretty?
- Students will be asked to comment on your page