Assignment 4 – CSE102

Total points: 30   **Submission deadline: Wednesday December 4 11:59 PM KST**

Synopsis

Assignment 4 of the CSE102 course will focus on responsive design and creating and adding HTML + JavaScript forms to your website with fully functional form checking and display of submitted form information. After completing this assignment, you will have concrete understanding of the responsive design and HTML + JavaScript functionality. Your submission should address the elements described in the following sections.

Proper HTML forms (16 pts)

You will create following forms:

1) A dummy login form. See this example for details: https://www.daniweb.com/programming/web-development/code/330933/a-simple-html-login-page-using-javascript)
   A. You will check whether entered username and password match a pre-defined username and password. If not, then an error message window is shown.)
   B. The form will disappear after information in correct format is entered, and a message is displayed 'Welcome – [Email]'.
2) A dummy signup form for new account creation. This signup form will accept user's first name, last name, valid email address, password as well as confirm password inputs. Following restrictions are to be enforced using JavaScript:
   C. First Name and Last Name should accept only Alphabets (no numbers and special characters) with maximum length of 15 characters for each.
   D. Email address should be valid.
   E. Password should be 8 characters long with a mixture of lowercase, uppercase, number and special characters.
   F. All fields are compulsory.
   G. Text entered in Password and Confirm Password fields should match. In case there is no match, alert should be shown.
   H. The form will disappear after information in correct format is entered, and a message is displayed 'Welcome – [Email]'.

3) A feedback page with feedback form that looks like the following. You may want to use radio buttons to represent check-box input. Following restrictions are to be enforced using JavaScript:
A. Email and Name are optional.
B. All text box inputs are optional.
C. Al radio button inputs are mandatory.
D. The feedback boxes should have at most 500 characters length.
E. After the form is submitted, the form should disappear and the page should show what is submitted to the user.

WEBSITE FEEDBACK FORM

Please fill out this brief feedback form so we can ensure a top quality experience to all of our visitors.

EMAIL optional	NAME optional

Is this your first visit to the website?

☐ Yes

☐ No

What is the primary reason for your visit to the website?

Were you able to find what you needed?

☐ Yes

☐ No

If you did not find what you needed, please tell us what info you were seeking?

How easy is it to find information on the site?

☐ Very Easy

☐ Easy

☐ Average

☐ Difficult

☐ Very Difficult

What is the likelihood that you will return to the site?

☐ Extremely Likely

☐ Very Likely

☐ Moderately Likely

☐ Slightly Likely

☐ Unlikely to Return

Please provide any additional comments or suggestions. optional

4) Contact us form which has following fields: Name, Email, Phone, Company Name, Subject and Description. Following restrictions are to be enforced using JavaScript:
A. First Name and Last Name should accept only Alphabets (no numbers and special characters) with maximum length of 15 characters for each.
B. Email address should be valid.
C. Phone number should be 10 digits max.
D. Company Name should be at most 50 characters long.
E. Subject should be at most 50 characters long.
F. Description should be at most 500 characters long.
G. Both names, email should be compulsory fields.
H. After the form is submitted, the form should disappear and the page should show what is submitted to the user.

Contact us

Contact us about anything related to our company or services.

We'll do our best to get back to you as soon as possible.

Name

Demo

Email

Phone

Company Name

Subject

Description

Send

Rubric:

1) Dummy login form: UI – 1 pts, Correct working: 2 pts.
2) Signup form: UI – 1 pts, Correct working: 2 pts
3) Website feedback form: UI: 2 pts, Correct working: 3 pts
4) Contact us form: UI: 1 pts, Correct working: 2 pts
5) Proper arrangement of forms in the website: 2 pts

Responsive Mobile Friendly Layout (8 pts)

Your website should follow a proper layout when accessed using a browser on mobile smart phone. You can make some changes in CSS layout to make your website mobile friendly. Go through the tutorials on the following page to make suitable changes to your website CSS so it looks mobile friendly:

https://www.thesitewizard.com/css/mobile-friendly-responsive-design.shtml

https://developers.google.com/web/fundamentals/design-and-ux/responsive

This technique is called responsive design, where the same web page will be presented for both desktop and mobile users. Only the Cascading Style Sheets, or CSS, will be different. That is, browsers on desktop/laptop computers will render the page using one set of CSS instructions, while those on mobile phones another.

Rubric:

1) Changing CSS for making it responsive: 4 pts
2) Actual responsive website view on mobile device: 4 pts

Site Hosting (2 pts)

Create a folder assignment4 in your Infinity server account space and host your site there – where index.html is the entry point to the site. Provide link to the hosted site on blackboard.

Task Distribution List (2 pts)

The task distribution list is further revised and refined mentioning who did which tasks for the Assignment 2.

Submission (2 pts)

1) Provide link to the hosted site on blackboard.
2) Create a ZIP of your Website and upload it on blackboard.

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