**Day (4) Lab Assignments**

**Please do these assignments:**

1. Make a registration form (you can re-use the registration form you did before) as the following (Use HTML 5 new input types and validation attributes):
   1. Form fields:
      * Full Name (Required)
      * Email (Required, input type: email)
      * City (Drop-down list filled with some cities)
      * Password
      * Repeat password.
      * “I accept the terms and conditions” checkbox.
      * Register button, which redirects to another page saying: “Thank you, *Full Name* for registering in our website”.
   2. Make full name text has default text “Enter your Name:” [use placeholder attribute].
   3. When the user focus in full name text, show blue border for the input (use element.style.border=”solid 1px blue”), and remove the border when the input loses the focus.
   4. After user finish writing his full name and leaves the text box (lost focus), if full name wasn't in correct format (not empty string and more than 3 letters), show text next to textbox saying “invalid name”, and focus the full name textbox, and select all text on it, else if full name was in correct format hide the text next to textbox.
   5. For Password and repeat password fields, when the user leaves the repeat password field, we need to validate that they’re required, and they’re identical (The same), and if they’re not the same show text besides it saying “password and repeat password should be the same”; remove the validation message when the user enters it correctly.
2. Use HTML Dom, to do the following:
   1. Create image node (using document.createElement()).
   2. Set it source image (using setAttribute()).
   3. Append it to a div on the page (Try appendChild() and insertBefore(), what’s the difference)?
   4. After appending the image, alert the number of child nodes to the div (Use element.childNodes.length), what are the count of div child nodes? And Why?
   5. Remove the added image (using removeChild()).

**Bonus assignments:**

1. Make a page that contains an empty star image (provided in the lab files), and changes as following (like star rating control):
   1. When mouse over it, it converts to filled star (like rating stars control, but you can try it on one star only in the beginning, then change it to 5 stars).
   2. When mouse move away from it, it changes back to empty star.
   3. When mouse over it, and it clicked, make it fixed on the filled star (don’t changes again when mouse move away from it).
   4. When re-clicked again (after it was fixed from first click), it backs to empty star when mouse is out.

stars