

This assignment is an extension of Assignment#2 and requires you to add JavaScript functionality to the previously created XHTML pages of Assignment #2. You will have an opportunity to demonstrate how to use cookie, JavaScript functions, and event handling. The following are specific details of the assignment.

- **Cookie and Greetings Implementation** – In the CS Department Page, use a **cookie** to hold a user's information and display a greeting with the user's name from the cookie. The greeting displayed should be an appropriate greeting based on the time of the day (e.g., good morning, good afternoon, or good evening) when a user visits the web site. (An example of such greeting is “Good Afternoon John, welcome to Assignment#3” when the user John visits your page in the afternoon).
 - If the name stored in the cookie is different from the user opening your page, have a hyperlink that prompts the user to enter his/her name. Use the correct name to reset the document's cookie. You may need to reload the page (automatically) to get the new name after resetting the cookie. Set an expiration time for the cookie.
 - If no cookie has been set, then prompt the user to enter his/her name and set the cookie.
- **Survey Form Extension and Average & Maximum Computation** – Add an additional text box called “**Data**”, and two output fields labeled **Average** and **Maximum** on the Student Survey Form.
 - A user is required to enter at least ten comma separated numbers ranging from 1 through 100 in the Data field.
 - Create JavaScript function(s) that will calculate Average and Maximum of the numbers entered in the Data field.
 - When the user is finished typing ten numbers and moves out of the Data field, the system should automatically compute the average and maximum of the ten numbers entered in the data field and populate Average and Maximum output fields.
 - Make sure the Data field contains at least ten comma separated values between 1 and 100 (inclusive), else print an error message.
- **Form Validation Event Handling** – Develop an event handler to handle **onclick** event when a user clicks the submit button on the Survey Form. The event handler should validate the following:
 - The Name text box should contain only Alphabets.

- The Address text boxes should contain only appropriate numeric, alphabet or alphanumeric characters.
- Make sure at least two checkboxes are checked.
- Make sure a radio button option is selected.
- The Email Address should be valid.

Validate above requirements and alert the user with a consolidated error message if the user missed filling out anything on the form that did not meet above criteria. Only the fields with errors should be cleared on alert and not all fields. **In addition**, ensure that there is a Reset button on the form and when clicked, the Reset button clears the form contents.