Lab work for javascript

CSC4370 (Fall 2014)

Objectives: Use javascript to validate input on HTML forms; Use php to validate input in HTML forms.

Comments: show me your exercise is done.

Part 1

Javascript can capture events and act upon those events. The event triggered by the submission of a form can be captured by Javascript and the input can be validated before the data is submitted to the server.

Reproduce the HTML code to render the simple HTML form as in Figure 1 (below). Notice the alignment of the input fields and the frame around the form. This form comprises some fields that are optional and others that are mandatory. Mandatory fields are marked with an asterisk. All fields are text fields except the Province field, which is a drop-down menu with all provinces in Canada.

Write the necessary Javascript code that captures the data before it is sent at form submission time, and validates the input. If any of the mandatory fields are missing, the code should pop-up a message indicating that the field needs to be entered. The incorrect field should get the focus.
In the case of the Postal code, the input should be validated to be of length 6 starting with a letter and alternating between a letter and a digit. The E-mail, if entered, should be of the form someone@somewhere.suffix, where someone and somewhere are strings that may contain ".".

The form need not be sent using php. As an action, you could e-mail the data to yourself.
Another option for validating HTML form input would be to send the data as it is entered as soon as the form is submitted and let the program on the server, and validate the data. If the data is not correct, your program on the server needs to reproduce the form and warn the user about the incorrect field. All entered fields should be preserved.

Reproduce the HTML code to render the simple HTML form as in Figure 1. Remove the JavaScript code you used before and as an action to the form, send the data via
(php). The JavaScript is responsible to validate the data fields. If time is an issue, you can omit the validation of the format of the e-mail address.