

CS 230 Lab 11 – JavaScript Validation

Assigned: 11/4/09

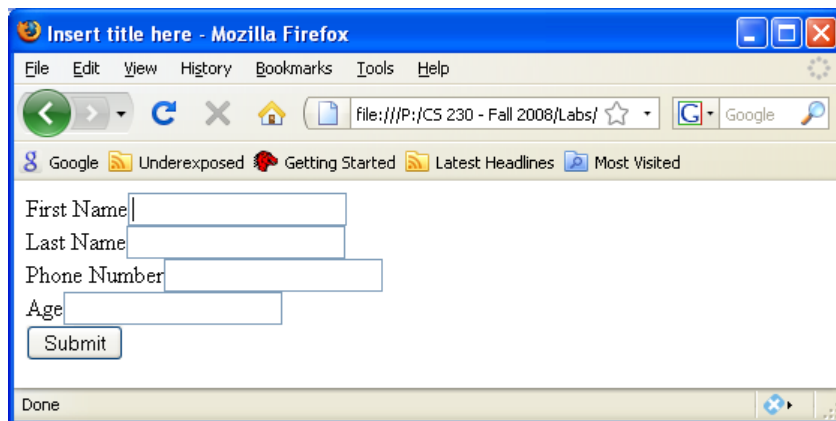
Points 20

Purpose

The purpose of the lab is to learn how to perform form validation using JavaScript.

Create the Project

Add to your web site a page that contains a form that appears similar to:



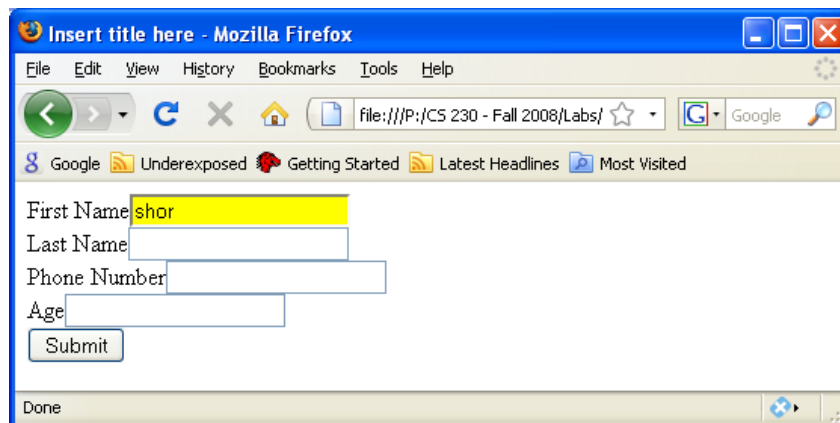
The screenshot shows a Mozilla Firefox browser window titled "Insert title here - Mozilla Firefox". The address bar contains the file path "file:///P:/CS 230 - Fall 2008/Labs/". The form contains the following fields and a button:

- First Name:
- Last Name:
- Phone Number:
- Age:
- Submit:

The form will perform validation on its values based on the following set of criteria:

- Names should consists only of alphabetic characters
- Names should be no shorter than 5 characters or longer than 15
- The age should be an integer value between 1 and 120

When the field loses focus validation will occur for that field and some style of that field will change. In the following example the background color changes to yellow when there are fewer than 5 characters entered.



The screenshot shows the same Mozilla Firefox browser window as above, but the "First Name" field now contains the text "shor" and has a yellow background, indicating that the validation criteria have been violated (fewer than 5 characters entered).

The following illustrates how to invoke a JavaScript function with a field:

```
First Name<input type="text" name="firstName"
           onblur="validateUsername(firstName) "></input><br>
```

Validation Tests can be performed using these types of statements:

```
illegalChars = "\W";
field.value = ""
field.value.length
illegalChars.test(field.value)
```

The style of a field can be changed similar to the following:

```
field.style.background='Yellow';
field.style.color='Blue';
```

A button other than the Submit button can be used to cause validation also.

```
<input type="button" value="Submit" onClick="validateFields(fld1,fld2)"></input>
```

JavaScript style attributes can be found at:

<http://www.comptechdoc.org/independent/web/cgi/javamanual/javastyle.html>

Demonstrate your code and turn in a copy of your file.