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## JavaScript Events (Cont.)

### onSubmit

The [onSubmit](#) event executes JavaScript code when a submit event occurs; that is, when a user submits a form. The `isUpper` function will be called when the user clicks the submit button in the form. The following script validates the information in the form and only allow it to be submitted if the requirement (lowercase letters only) is met.

```
<html><head>
  <script type="text/javascript">
    alpha = 'ABCDEFGHIJKLMNOPQRSTUVWXYZ';
    function isUpper( parm ) {
      if ( parm == "" ) return false;
      for ( i = 0; i < parm.length; i++ )
        if ( alpha.indexOf( parm.charAt( i ), 0 ) != -1 ) {
          alert( "Lowercase letters only!" );
          return false;
        }
      return true;
    }
  </script>
</head>

<body>
  <form name="testform" ID="testform" method="POST"
    action="http://wenchen.cs.und.edu/cgi-bin/unix1.pl"
    onSubmit="return isUpper( testform.command.value )">

    shell> <input type="text" name="command" id="command" value="date">
    <input type="submit" value="Submit">

  </form>
</body>
</html>
```

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The function `isUpper` returns either `true` or `false`. If it returns `true` the form will be submitted, otherwise the submit will be cancelled. The notation `testform.command.value`, a path to find the HTML element, is from DOM (Document Object Model).

## Demonstration

The following demonstration shows how the script of HTML and JavaScript is displayed on the Web.

Display the HTML

Reset

```
<html>
<body>
  <h4>Example of onSubmit Event Handler</h4>
  Type your name and press the button<br />
  <form name="myform"
    onSubmit="alert('Thank you ' + myform.data.value
+ '!')">
    <input type="text" name="data">
    <input type="submit" value="Submit this form">
  </form>
</body>
</html>
```

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