

Practical no 5 - Create a form, put validation check on value entered by the user using JavaScript.

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HTML Code:

```
<!DOCTYPE html>
<html lang="en"><head>
<meta charset="utf-8">
<title>JavaScript Form Validation using a sample registration form</title>
<meta name="keywords" content="example, JavaScript Form Validation, Sample registration form" />
<meta name="description" content="This document is an example of JavaScript Form Validation using a
sample registration form. " />
<link rel='stylesheet' href='style.css' type='text/css' />
<script src="validate.js"></script>
</head>
<body onload="document.registration.userid.focus();">
<h1>Registration Form</h1>
Use tab keys to move from one input field to the next.
<form name='registration' onSubmit="return formValidation();">
<ul>
<li><label for="userid">User id:</label></li>
<li><input type="text" name="userid" size="12" /></li>
<li><label for="passid">Password:</label></li>
<li><input type="password" name="passid" size="12" /></li>
<li><label for="username">Name:</label></li>
<li><input type="text" name="username" size="50" /></li>
<li><label for="address">Address:</label></li>
<li><input type="text" name="address" size="50" /></li>
<li><label for="country">Country:</label></li>
<li><select name="country">
<option selected="" value="Default">(Please select a country)</option>
<option value="AF">Australia</option>
<option value="AL">Canada</option>
<option value="DZ">India</option>
<option value="AS">Russia</option>
<option value="AD">USA</option>
</select></li>
<li><label for="zip">ZIP Code:</label></li>
<li><input type="text" name="zip" /></li>
<li><label for="email">Email:</label></li>
<li><input type="text" name="email" size="50" /></li>
<li><label id="gender">Sex:</label></li>
<li><input type="radio" name="msex" value="Male" /><span>Male</span></li>
<li><input type="radio" name="fsex" value="Female" /><span>Female</span></li>
<li><label>Language:</label></li>
<li><input type="checkbox" name="en" value="en" checked /><span>English</span></li>
<li><input type="checkbox" name="nonen" value="noen" /><span>Non English</span></li>
<li><label for="desc">About:</label></li>
```

```
<li><textarea name="desc" id="desc"></textarea></li>
<li><input type="submit" name="submit" value="Submit" /></li>
</ul>
</form>
</body>
</html>
```

CSS Code:

```
h1 {
    margin-left: 70px;
}
form li {
    list-style: none;
    margin-bottom: 5px;
}

form ul li label{
    float: left;
    clear: left;
    width: 100px;
    text-align: right;
    margin-right: 10px;
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 14px;
}

form ul li input, select, span {
    float: left;
    margin-bottom: 10px;
}

form textarea {
    float: left;
    width: 350px;
    height: 150px;
}

[type="submit"] {
    clear: left;
    margin: 20px 0 0 230px;
    font-size: 18px;
}

p {
    margin-left: 70px;
    font-weight: bold;
}
```

JavaScript Code:

```
function formValidation()
{
var uid = document.registration.userid;
var passid = document.registration.passid;
var uname = document.registration.username;
var uadd = document.registration.address;
var ucountry = document.registration.country;
var uzip = document.registration.zip;
var uemail = document.registration.email;
var umsex = document.registration.msex;
var ufsex = document.registration.fsex; if(userid_validation(uid,5,12))
{
if(passid_validation(passid,7,12))
{
if(allLetter(uname))
{
if(alphanumeric(uadd))
{
if(countryselect(ucountry))
{
if(allnumeric(uzip))
{
if(ValidateEmail(uemail))
{
if(validsex(umsex,ufsex))
{
}
}
}
}
}
}
}
}
return false;

} function userid_validation(uid,mx,my) {
var uid_len = uid.value.length;
if (uid_len == 0 || uid_len >= my || uid_len < mx) {
alert("User Id should not be empty / length be between "+mx+" to "+my);
uid.focus();
return false;
}
return true;
}
function passid_validation(passid,mx,my)
{
```

```

var passid_len = passid.value.length;
if (passid_len == 0 || passid_len >= my || passid_len < mx)
{
    alert("Password should not be empty / length be between "+mx+" to "+my);
    passid.focus();
    return false;
}
return true;
}
function allLetter(uname)
{
    var letters = /^[A-Za-z]+$/;
    if(uname.value.match(letters))
    {
        return true;
    }
    else
    {
        alert('Username must have alphabet characters only');
        uname.focus();
        return false;
    }
}
function alphanumeric(uadd)
{
    var letters = /^[0-9a-zA-Z]+$/;
    if(uadd.value.match(letters))
    {
        return true;
    }
    else
    {
        alert('User address must have alphanumeric characters only');
        uadd.focus();
        return false;
    }
}
function countryselect(ucountry)
{
    if(ucountry.value == "Default")
    {
        alert('Select your country from the list');
        ucountry.focus();
        return false;
    }
    else
    {
        return true;
    }
}

```

```

}
}
function allnumeric(uzip)
{
var numbers = /^[0-9]+$/;
if(uzip.value.match(numbers))
{
return true;
}
else
{
alert('ZIP code must have numeric characters only');
uzip.focus();
return false;
}
}
function ValidateEmail(uemail)
{
var mailformat = /^[w+([\.-]?\w+)*@[w+([\.-]?\w+)*(\.w{2,3})+$/;
if(uemail.value.match(mailformat))
{
return true;
}
else
{
alert("You have entered an invalid email address!");
uemail.focus();
return false;
}
}
function validsex(umsex,ufsex)
{
x=0;
if(umsex.checked)
{
x++;
}
if(ufsex.checked)
{
x++;
}
if(x==0)
{
alert('Select Male/Female');
umsex.focus();
return false;
}
else
{
alert('Form Succesfully Submitted');
}
}

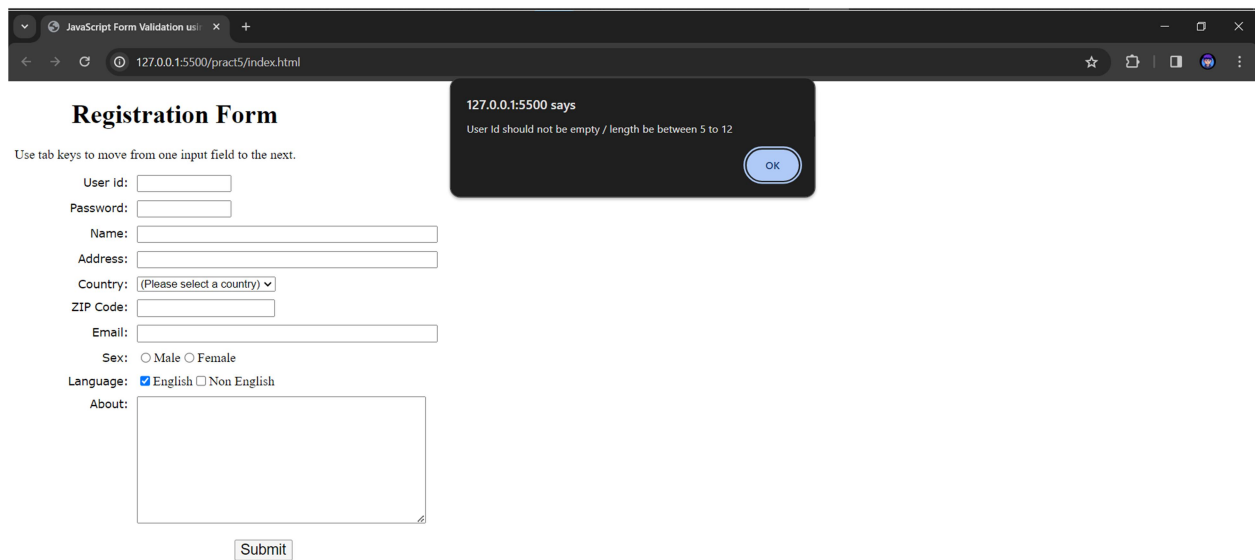
```

```
window.location.reload()
return true;
}
}
```

Output:



The screenshot shows a web browser window with the title "JavaScript Form Validation using..." and the address bar displaying "127.0.0.1:5500/pract5/index.html". The page content includes a heading "Registration Form" and a subtext "Use tab keys to move from one input field to the next." Below this, there is a registration form with the following fields: "User Id:" (text input), "Password:" (text input), "Name:" (text input), "Address:" (text input), "Country:" (dropdown menu with "(Please select a country)" selected), "ZIP Code:" (text input), "Email:" (text input), "Sex:" (radio buttons for "Male" and "Female"), "Language:" (checkboxes for "English" (checked) and "Non English"), and "About:" (text area). A "Submit" button is located at the bottom right of the form.



This screenshot shows the same registration form as the previous one, but with a validation error message displayed in a dark blue box on the right side of the form. The message reads: "127.0.0.1:5500 says" followed by "User Id should not be empty / length be between 5 to 12". An "OK" button is located at the bottom right of the error message box. The form fields and "Submit" button remain visible below the error message.