

Assignment No -4

Validate URL, Email, Required using functions

The Code:

form.html:

```
<!DOCTYPE html>
<html>

<head>
  <title>Form Validation</title>
  <link rel="stylesheet" type="text/css" href="stylesheet.css" />
  <script src="script.js"></script>
</head>

<body>

  <form method="post" target="#" onsubmit="return validate()">
    <h1>Form Validation</h1>
    <p>To be able to submit form successfully, JavaScript will validate it
first!</p>

    Name<br>
    <input type="text" name="name"><br>
    Email<br>
    <input type="text" name="email"><br>
    Retype email<br>
    <input type="text" name="retype_email"><br>
    Create a password<br>
    <input type="password" name="password"><br>
    Retype password<br>
    <input type="password" name="retype_password"><br>

    <label>
      <input type="checkbox" name="terms"> &nbsp; By filling above form,
you agree to your
```

```
Terms of Service</label>

<div class="button">
  <input type="submit" class="button" value="Submit">
</div>

</form>
</body>

</html>
```

stylesheet.css:

```
input {
  border-radius: 5px;
  padding: 5px;
  margin: 5px 0px;
}

div.button {
  text-align: right;
  cursor: pointer;
}

form {
  width: 480px;
  margin: auto;
  padding: 5px;
  /* border: solid black 1px; */
  box-shadow: 0px 2px 15px black;
  border-radius: 5px;
  padding: 20px;
  margin-top: 50vh;
  transform: translateY(-50%);
}
```

script.js:

```
function validate() {
    var result = "";
    result += validateName();
    result += validateEmail();
    result += validatePassword();
    result += validateTerms();

    if (result == "") return true;

    alert("Validation Result:\n\n" + result);
    return false;
}

function validateName() {
    var name = document.getElementsByName("name")[0].value;
    if (name.length <= 3)
        return "Name should be at least three characters.\n";
    return "";
}

function validatePassword() {
    var password = valueOf("password");
    var retype = valueOf("retype_password");

    if (password.length <= 6)
        return "Password should be at least 6 characters.\n";

    if (password != retype)
        return "Passwords do not match.\n";
    return "";
}

function validateEmail() {
    var email = valueOf("email");
    var retype = valueOf("retype_email");
```

```

    if (email.indexOf('@') == -1)
        return "Email should be a valid address.\n";

    if (email != retype)
        return "Email addresses do not match.\n";
    return "";
}

function validateTerms() {
    var terms = document.getElementsByName("terms")[0];
    if (!terms.checked)
        return "Please accept the Terms of Service and Privacy Policy";
    return "";
}

function valueOf(name) {
    return document.getElementsByName(name)[0].value;
}

```

Output:

