

Week-6. Write a program to create and Build a Password Strength Check using JQuery.

```
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/4.7.0/css/font-
awesome.min.css">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css
/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></s
cript>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js
"></script>
<script src="CheckPasswordStrength.js"></script>
<link href="CheckPasswordStrength.css" rel="stylesheet" />
$(document).ready(function () {
    $('#txtPassword').keyup(function () {
        $('#strengthMessage').html(checkStrength($('#txtPassword').val()))
    })
    function checkStrength(password) {
        var strength = 0
        if (password.length < 6) {
            $('#strengthMessage').removeClass()
            $('#strengthMessage').addClass('Short')
            return 'Too short'
        }
        if (password.length > 7) strength += 1
        // If password contains both lower and uppercase characters, increase stren
        gth value.
        if (password.match(/[a-z].*[A-Z]|([A-Z].*[a-z])/)) strength
        += 1
        // If it has numbers and characters, increase strength value.
        if (password.match(/[a-zA-Z])/) && password.match(/[0-9]/)) strength += 1
        // If it has one special character, increase strength value.
        if (password.match(/[!%,&,@,#,$^*,?_,~]/)) strength += 1
        // If it has two special characters, increase strength value.
        if (password.match(/(.*[!%,&,@,#,$^*,?_,~].*[!%,&,@,#,$^*,?_,~])/) )
        strength += 1
```

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    // Calculated strength value, we can return messages
    // If value is less than 2
    if (strength < 2) {
        $('#strengthMessage').removeClass()
        $('#strengthMessage').addClass('Weak')
        return 'Weak'
    } else if (strength == 2) {
        $('#strengthMessage').removeClass()
        $('#strengthMessage').addClass('Good')
        return 'Good'
    } else {
        $('#strengthMessage').removeClass()
        $('#strengthMessage').addClass('Strong')
        return 'Strong'
    }
}
```

```
));  
.Short {  
    width: 100%;  
    background-color: #dc3545;  
    margin-top: 5px;  
    height: 3px;  
    color: #dc3545;  
    font-weight: 500;  
    font-size: 12px;  
}  
.Weak {  
    width: 100%;  
    background-color: #ffc107;  
    margin-top: 5px;  
    height: 3px;  
    color: #ffc107;  
    font-weight: 500;  
    font-size: 12px;  
}  
.Good {  
    width: 100%;  
    background-color: #28a745;  
    margin-top: 5px;  
    height: 3px;  
    color: #28a745;  
    font-weight: 500;  
    font-size: 12px;  
}  
.Strong {  
    width: 100%;  
    background-color: #d39e00;  
    margin-top: 5px;  
    height: 3px;  
    color: #d39e00;  
    font-weight: 500;  
    font-size: 12px;  
}  
<body>  
    <form id="form1" runat="server">
```

```

    <div class="container py-3">
<h4 class="text-center text-
uppercase">How to check password strength in jquery</h4>
    <div class="row">
        <div class="col-md-12">
            <div class="row">
                <div class="col-md-6 mx-auto">
                    <div class="card border-secondary">
                        <div class="card-header">
                            <h3 class="mb-0 my-2">Sign Up</h3>
                        </div>
                        <div class="card-body">
                            <div class="form-group">
                                <label>Name</label>
                                <div class="input-group">
                                    <div class="input-group-prepend">
                                        <span class="input-group-text"><i class="fa
fauser"></i></span>
                                    </div>
                                    <asp:TextBox ID="txtFirstName" runat="server"
Css
Class="form-control"></asp:TextBox>
                                </div>
                            </div>
                            <div class="form-group">
                                <label>Phone Number</label>
                                <div class="input-group">
                                    <div class="input-group-prepend">
                                        <span class="input-group-text"><i class="fa
faphone"></i></span>
                                    </div>
                                    <asp:TextBox ID="txtPhoneNumber"
runat="server"
CssClass="form-control"></asp:TextBox>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <div class="form-group">
            <label>Email</label>
            <div class="input-group">
                <div class="input-group-prepend">
                    <span class="input-group-text"><i class="fa
faenvelope"></i></span>
                </div>
                <asp:TextBox ID="txtEmail" runat="server"
CssClass
="form-control"></asp:TextBox>
            </div>
        </div>
        <div class="form-group">
            <label>Password</label>
            <div class="input-group">
                <div class="input-group-prepend">
                    <span class="input-group-text"><i class="fa
falock"></i></span>
                </div>
                <asp:TextBox ID="txtPassword" runat="server"
Text
Mode="Password" CssClass="form-control"></asp:TextBox>
            </div>
            <div id="strengthMessage"></div>
        </div>
        <div class="form-group">
            <label>Confirm Password</label>
            <div class="input-group">
                <div class="input-group-prepend">
                    <span class="input-group-text"><i class="fa
falock"></i></span>
                </div>
                <asp:TextBox ID="txtConfirmPassword"
runat="serv
er" TextMode="Password" CssClass="form-control"></asp:TextBox>
            </div>

```

