

jQuery UI

jQuery UI is a curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library. Whether you're building highly interactive web applications or you just need to add a date picker to a form control, jQuery UI is the perfect choice.

jQueryUI is a powerful Javascript library built on top of jQuery JavaScript library. UI stands for User interface, It is a set of plug-ins for jQuery that adds new functionalities to the jQuery core library.

The set of plug-ins in jQueryUI includes interface interactions, effects, animations, widgets, and themes built on top of jQuery JavaScript Library.

It was released in September 2007, announced in a blog post by John Resig on jquery.com. The latest release, 1.10.4, requires jQuery 1.6 or later version. jQuery UI is a free, open source software, licensed under the MIT License.

Features

jQueryUI is categorized into four groups, interactions, widgets, effects, utilities.

- Interactions – These are the interactive plugins like drag, drop, resize and more which give the user the ability to interact with DOM elements.
- Widgets – Using widgets which are jQuery plugins, you can create user interface elements like accordion,datepicker etc.
- Effects – These are built on the internal jQuery effects. They contain a full suite of custom animations and transitions for DOM elements.
- Utilities – These are a set of modular tools the JQueryUI library uses internally.

Benefits of jQueryUI

- Cohesive and Consistent APIs.
- Comprehensive Browser Support.
- Open Source and Free to Use.
- Good Documentation.
- Powerful Theming Mechanism.

- Stable and Maintenance Friendly.

JqueryUI library can be used in two ways in your web page –

- Downloading UI Library from its official website
- Downloading UI Library from CDNs

Download UI Library from Its Official Website

When you open the link <http://jqueryui.com>

- **Custom Download** – Click on this button to download a customized version of library.
- **Stable** – Click on this button to get the stable and latest version of JQueryUI library.
- **Legacy** – Click on this button to get the previous major release of the JQueryUI library.

Custom Download with Download Builder

Using Download Builder, you can create a custom build to include only those portions of the library that you need. You can download this new customized version of JQueryUI, depending on the chosen theme.

```
<link href = "https://code.jquery.com/ui/1.10.4/themes/ui-lightness/
jquery-ui.css"
  rel = "stylesheet">
<script src = "https://code.jquery.com/jquery-1.10.2.js"></script>
<script src = "https://code.jquery.com/ui/1.10.4/jquery-ui.js"></
script>
```

The first line, adds jQuery UI theme (in our case ui-lightness) via CSS. This CSS will make our UI stylish.

Second line, adds the jQuery library, as jQuery UI is built on top of jQuery library.

Third line, adds the jQuery UI library. This enables jQuery UI in your

page.

Example :

```
<!DOCTYPE html>
<html>
  <head>
    <link href = "https://code.jquery.com/ui/1.10.4/themes/ui-
lightness/jquery-ui.css"
      rel = "stylesheet">
    <script src = "https://code.jquery.com/jquery-1.10.2.js"></
script>
    <script src = "https://code.jquery.com/ui/1.10.4/jquery-
ui.js"></script>

    <script type = "text/javascript">
      $(function () {
        $('#dialogMsg').dialog();
      });
    </script>
  </head>

  <body>
    <form id = "form1" runat = "server">
      <div id = "dialogMsg" title = "First jQueryUI Example">
        Hello this is my first jQueryUI example.
      </div>
    </form>
  </body>
</html>
```

jQuery UI - DatePicker

```
<html>

<head>

  <title>jQuery UI - DatePicker</title>

  <style type="text/css">

    body, input
```

```

        {
            font-family: 'Segoe UI';
            font-size: 25px;
        }
        #ui-datepicker-div
        {
            font-size: 70%;
        }
    </style>
</head>
<body>
    Date: <input type="text" id="txt1">
    <script type="text/javascript" src="jquery-2.1.4.min.js">
    </script>
    <script type="text/javascript" src="jquery-ui.js">
    </script>
    <link href="jquery-ui.css" type="text/css" rel="stylesheet">
    <script type="text/javascript">
        $("#txt1").datepicker();
    </script>
</body>
</html>

```

jQuery UI - Spinner

```
<html>
```

```
<head>

    <title>jQuery UI - Spinner</title>

</head>

<body>

    Amount: <input type="text" id="txt1">

    <script type="text/javascript">

        $("#txt1").spinner();

    </script>

</body>

</html>
```

jQuery UI - AutoComplete

```
<html>

<head>

    <title>jQuery UI - AutoComplete</title>

</head>

<body>

    <label for="txt1">Type something here: </label>

    <input type="text" id="txt1">

    <script type="text/javascript">

        var myarray = [ "ActionScript", "AppleScript", "Asp",
        "BASIC", "C", "C++", "Clojure", "COBOL", "ColdFusion", "Erlang",
        "Fortran", "Groovy", "Haskell", "Java", "JavaScript", "Lisp", "Perl",
        "PHP", "Python", "Ruby", "Scala", "Scheme" ];

        $("#txt1").autocomplete( { source: myarray } );

    </script>
```

```
</body>
```

```
</html>
```

jQuery UI - Tooltip

```
<html>
```

```
<head>
```

```
<title>jQuery UI - Tooltip</title>
```

```
</head>
```

```
<body>
```

```
<input type="text" id="Username" title="Type your  
username">
```

```
<script type="text/javascript">
```

```
$(document).tooltip();
```

```
</script>
```

```
</body>
```

```
</html>
```

jQuery UI - Resizable

```
<html>
```

```
<head>
```

```
<title>jQuery UI - Resizable</title>
```

```
<style type="text/css">
```

```
#div1
```

```
{
```

```
width: 200px;
```

```
height: 150px;
```

```
        background-color: #99ffcc;
        cursor: pointer;
    }
</style>
</head>
<body>
    <div id="div1">
        div1
    </div>
    <script type="text/javascript">
        $("#div1").resizable();
    </script>
</body>
</html>
```

jQuery UI - Draggable

```
<html>
<head>
    <title>jQuery UI - Draggable</title>
    <style type="text/css">
        #div1
        {
            width: 200px;
            height: 150px;
            background-color: #ccffff;
```

```
        cursor: pointer;
    }
</style>
</head>
<body>
    <div id="div1">
        <p>Drag me around</p>
    </div>
    <script type="text/javascript">
        $("#div1").draggable();
    </script>
</body>
</html>
```

jQuery UI - Droppable

```
<html>
<head>
    <title>jQuery UI - Droppable</title>
    <style type="text/css">
        #div1
        {
            width: 200px;
            height: 150px;
            background-color: #ccffff;
            cursor: pointer;
```



```

        float: left;
        margin-right: 10px;
    }
    #div2
    {
        width: 400px;
        height: 350px;
        background-color: #99ffcc;
        cursor: pointer;
        float: left;
    }
</style>
</head>
<body>
    <div id="div1">
        div1
    </div>
    <div id="div2">
        div2
    </div>
    <script type="text/javascript">
        $("#div1").draggable();
        $("#div2").droppable( { drop: fun1 } );
        function fun1()

```

```

        {
            $(this).html("Dropped!").css("background-color",
"#009999");

            //this = div2
        }
    </script>
</body>
</html>

```

jQuery UI - Selectable

```

<html>
  <head>
    <title>jQuery UI - Selectable</title>
    <style type="text/css">
      #list1 { list-style-type: none; padding: 0; }
      #list1 li { margin: 3px; }
      #list1 .ui-selecting { background: #FECA40; }
      #list1 .ui-selected { background: #F39814; color: white; }
    </style>
  </head>
  <body>
    <ol id="list1">
      <li class="ui-widget-content">Item 1</li>
      <li class="ui-widget-content">Item 2</li>
      <li class="ui-widget-content">Item 3</li>
      <li class="ui-widget-content">Item 4</li>
    </ol>
  </body>
</html>

```

```
        <li class="ui-widget-content">Item 5</li>
        <li class="ui-widget-content">Item 6</li>
        <li class="ui-widget-content">Item 7</li>
    </ol>

    <script type="text/javascript">
        $("#list1").selectable();
    </script>
</body>
</html>
```

jQuery UI - Sortable

```
<html>

<head>

    <title>jQuery UI - Sortable</title>

    <style type="text/css">
        #list1 { list-style-type: none; padding: 0; }
        #list1 li { margin: 5px; }
    </style>
</head>

<body>

    <ul id="list1">

        <li class="ui-widget-content">Item 1</li>
        <li class="ui-widget-content">Item 2</li>
        <li class="ui-widget-content">Item 3</li>
        <li class="ui-widget-content">Item 4</li>
```

```
<li class="ui-widget-content">Item 5</li>
<li class="ui-widget-content">Item 6</li>
<li class="ui-widget-content">Item 7</li>
</ul>
<script type="text/javascript">
    $("#list1").sortable();
</script>
</body>
</html>
```

jQuery UI - Accordion

```
<html>
<head>
    <title>jQuery UI - Accordion</title>
</head>
<body>
    <div id="div1">
        <h3>Section 1</h3>
        <div>Mauris mauris ante, blandit et, ultrices a, suscipit
eget, quam. Integer ut neque. Vivamus nisi metus, molestie vel,
gravida in, condimentum sit amet, nunc. Nam a nibh. Donec suscipit
eros. Nam mi. Proin viverra leo ut odio. Curabitur malesuada.
Vestibulum a velit eu ante scelerisque vulputate.</div>
        <h3>Section 2</h3>
        <div>Sed non urna. Donec et ante. Phasellus eu ligula.
Vestibulum sit amet purus. Vivamus hendrerit, dolor at aliquet
laoreet, mauris turpis porttitor velit, faucibus interdum tellus libero ac
justo. Vivamus non quam. In suscipit faucibus urna.
```

</div>

<h3>Section 3</h3>

<div>Nam enim risus, molestie et, porta ac, aliquam ac, risus. Quisque lobortis. Phasellus pellentesque purus in massa. Aenean in pede. Phasellus ac libero ac tellus pellentesque semper. Sed ac felis. Sed commodo, magna quis lacinia ornare, quam ante aliquam nisi, eu iaculis leo purus venenatis dui.</div>

<h3>Section 4</h3>

<div>Cras dictum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Aenean lacinia mauris vel est.</div>

</div>

<script type="text/javascript">

\$("#div1").accordion();

</script>

</body>

</html>

jQuery UI - Tabs

<html>

<head>

<title>jQuery UI - Tabs</title>

<style type="text/css">

.ui-tabs, .ui-tabs-anchor

{

font-size: 75%;

}

</style>

</head>

<body>

<div id="div1">

Home

About

Contact

<div id="tab1">Proin elit arcu, rutrum commodo, vehicula tempus, commodo a, risus. Curabitur nec arcu. Donec sollicitudin mi sit amet mauris. Nam elementum quam ullamcorper ante. Etiam aliquet massa et lorem. Mauris dapibus lacus auctor risus. Aenean tempor ullamcorper leo. Vivamus sed magna quis ligula eleifend adipiscing. Duis orci. Aliquam sodales tortor vitae ipsum. Aliquam nulla. Duis aliquam molestie erat. Ut et mauris vel pede varius sollicitudin. Sed ut dolor nec orci tincidunt interdum. Phasellus ipsum. Nunc tristique tempus lectus.</div>

<div id="tab2">Morbi tincidunt, dui sit amet facilisis feugiat, odio metus gravida ante, ut pharetra massa metus id nunc. Duis scelerisque molestie turpis. Sed fringilla, massa eget luctus malesuada, metus eros molestie lectus, ut tempus eros massa ut dolor. Aenean aliquet fringilla sem. Suspendisse sed ligula in ligula suscipit aliquam. Praesent in eros vestibulum mi adipiscing adipiscing. Morbi facilisis. Curabitur ornare consequat nunc. Aenean vel metus. Ut posuere viverra nulla. Aliquam erat volutpat. Pellentesque convallis. Maecenas feugiat, tellus pellentesque pretium posuere, felis lorem euismod felis, eu ornare leo nisi vel felis. Mauris consectetur tortor et purus.</div>

<div id="tab3">Mauris eleifend est et turpis. Duis id erat. Suspendisse potenti. Aliquam vulputate, pede vel vehicula accumsan, mi neque rutrum erat, eu congue orci lorem eget lorem. Vestibulum non ante. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Fusce sodales. Quisque eu urna vel

enim commodo pellentesque. Praesent eu risus hendrerit ligula
tempus pretium. Curabitur lorem enim, pretium nec, feugiat nec,
luctus a, lacus.</div>

</div>

<script type="text/javascript">

\$("#div1").tabs();

</script>

</body>

</html>

jQuery UI - Dialog

<html>

<head>

<title>jQuery UI - Dialog</title>

<style type="text/css">

#span1

{

font-size: 30px;

}

.ui-dialog, .ui-dialog-title, .ui-button-text, .ui-dialog p

{

font-size: 70%;

}

</style>

</head>

<body>

```
<input type="button" id="button1" value="Show dialog">
```

```
<br>
```

```
<span id="span1">Output here</span>
```

```
<div id="div1" title="Title here" style="display:none">
```

```
    <p>Hello, how are you!</p>
```

```
</div>
```

```
    <script type="text/javascript">
```

```
        $("#button1").click(fun1);
```

```
        function fun1()
```

```
        {
```

```
            $("#div1").dialog(
```

```
            {
```

```
                resizable: false,
```

```
                height: 300,
```

```
                width: 400,
```

```
                modal: true,
```

```
                buttons:
```

```
                {
```

```
                    "OK": function()
```

```
                    {
```

```
                        $("#span1").html("OK clicked");
```

```
                        $( this ).dialog( "close" );
```

```
                    },
```

```
                    "Cancel": function()
```



```

        {
            $("#span1").html("Cancel clicked");
            $( this ).dialog( "close" );
        }
    }
});
}
</script>
</body>
</html>

```

jQuery UI - ButtonSet

```

<html>
<head>
    <title>jQuery UI - ButtonSet</title>
    <style type="text/css">
    </style>
</head>
<body>
    <div id="div1">
        <input type="radio" id="radio1" name="radio">
        <label for="radio1">Debit Card</label>
        <input type="radio" id="radio2" name="radio">
        <label for="radio2">Credit Card</label>
        <input type="radio" id="radio3" name="radio">
    </div>

```

```
        <label for="radio3">Net Banking</label>
    </div>

    <script type="text/javascript">
        $("#div1").buttonset();
    </script>
</body>
</html>
```

jQuery UI - Menu

```
<html>
    <head>
        <title>jQuery UI - Menu</title>
        <style type="text/css">
            .ui-menu
            {
                width: 300px;
            }
        </style>
    </head>
    <body>
        <ul id="list1">
            <li>Home</li>
            <li>About</li>
            <li>Contact</li>
            <li>Download</li>
```

Express Download

Product Info

Order

Features

Installation

Supported Browsers

Google Chrome

Mozilla Firefox

Internet Explorer

Safari

Opera

Purchase

Demo / Installation

<script type="text/javascript">

\$("#list1").menu();

</script>

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

jQuery UI - Progress bar

```
<html>
  <head>
    <title>jQuery UI - Progress bar</title>
    <style type="text/css">
      #div1
      {
        height: 20px;
      }
    </style>
  </head>
  <body>
    <div id="div1"></div>
    <script type="text/javascript">
      $("#div1").progressbar( { value: 70 } );
    </script>
  </body>
</html>
```

jQuery UI - Slider

```
<html>
  <head>
    <title>jQuery UI - Slider</title>
```

```

</head>
<body>
    <p>
        Price range:
        <span id="span1" style="color:#f6931f; font-
weight:bold;"></span>
    </p>
    <div id="div1"></div>
    <script type="text/javascript">
        $( "#div1" ).slider(
        {
            range: true,
            min: 0,
            max: 500,
            values: [ 200, 300 ],
            slide: function( event, ui ) {
                $( "#span1" ).html( "Rs. " + ui.values[ 0 ] + " -
Rs. " + ui.values[ 1 ] );
            }
        });
        $( "#span1" ).html(
            "Rs. " + $( "#div1" ).slider( "values", 0 ) +
            " - Rs. " + $( "#div1" ).slider( "values", 1 )
        );
    </script>

```

```
</body>
```

```
</html>
```

jQuery UI - Color Animation

```
<html>
```

```
<head>
```

```
<title>jQuery UI - Color Animation</title>
```

```
<style type="text/css">
```

```
    #div1
```

```
    {
```

```
        background-color: darkred;
```

```
        color: cyan;
```

```
        font-size: 30px;
```

```
        font-family: 'Segoe UI';
```

```
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div id="div1">Lorem Ipsum is simply dummy text of the  
printing and typesetting industry. Lorem Ipsum is simply dummy text  
of the printing and typesetting industry.</div>
```

```
<input type="button" id="button1" value="color animation">
```

```
<script type="text/javascript">
```

```
$("#button1").click(fun1);
```

```
function fun1()
```

```
{
```

```
        $("#div1").animate( { "background-color": "green",
"color": "yellow" }, 2000 );

    }

</script>

</body>

</html>
```

jQuery UI - Easing Effects

```
<html>

<head>

    <title>jQuery UI - Easing Effects</title>

    <style type="text/css">

        #div1

        {

            background-color: darkred;

            color: cyan;

            font-size: 30px;

            font-family: 'Segoe UI';

            position: relative;

            width: 300px;

            padding: 5px;

        }

    </style>

</head>

<body>

    <input type="button" id="button1" value="easing effect
```

```
animation">
```

```
<div id="div1">Lorem Ipsum is simply dummy text of the  
printing and typesetting industry. Lorem Ipsum is simply dummy text  
of the printing and typesetting industry.</div>
```

```
<script type="text/javascript">
```

```
$("#button1").click(fun1);
```

```
function fun1()
```

```
{
```

```
    $("#div1").animate(
```

```
        {
```

```
            "font-size": "40px",
```

```
            "border-width": "10px",
```

```
            "left": "30px",
```

```
            "top": "50px",
```

```
            "width": "700px",
```

```
            "padding": "15px"
```

```
        }, 1000, "easeInElastic");
```

```
    }
```

```
</script>
```

```
</body>
```

```
</html>
```

jQuery UI - addClass

```
<html>
```

```
<head>
```

```
<title>jQuery UI - addClass</title>
```



```
<style type="text/css">
    .class1
    {
        background-color: darkred;
        color: cyan;
        font-size: 30px;
        font-family: 'Segoe UI';
        width: 800px;
        padding: 15px;
    }
</style>
</head>
<body>
    <div id="div1">Lorem Ipsum is simply dummy text of the
printing and typesetting industry. Lorem Ipsum is simply dummy text
of the printing and typesetting industry.</div>
    <input type="button" id="button1" value="add class">
    <script type="text/javascript">
        $("#button1").click(fun1);
        function fun1()
        {
            $("#div1").addClass("class1", 1000);
        }
    </script>
</body>
```

</html>

jQuery UI - removeClass

<html>

<head>

<title>jQuery UI - removeClass</title>

<style type="text/css">

.class1

{

background-color: darkred;

color: cyan;

font-size: 30px;

font-family: 'Segoe UI';

width: 800px;

padding: 15px;

}

</style>

</head>

<body>

<div id="div1" class="class1">Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum is simply dummy text of the printing and typesetting industry.</div>

<input type="button" id="button1" value="remove class">

<script type="text/javascript">

\$("#button1").click(fun1);

function fun1()

```
        {
            $("#div1").removeClass("class1", 1000);
        }
    </script>
</body>
</html>
```

jQuery UI - Effects

```
<html>
<head>
    <title>jQuery UI - Effects</title>
    <style type="text/css">
        #div1
        {
            background-color: darkred;
            color: cyan;
            font-size: 30px;
            font-family: 'Segoe UI';
            width: 800px;
            padding: 15px;
        }
    </style>
</head>
<body>
    <input type="button" id="button1" value="Hide">
```

```
<input type="button" id="button2" value="Show">
```

```
<div id="div1">Lorem Ipsum is simply dummy text of the  
printing and typesetting industry. Lorem Ipsum is simply dummy text  
of the printing and typesetting industry.</div>
```

```
<script type="text/javascript">
```

```
    $("#button1").click(fun1);
```

```
    $("#button2").click(fun2);
```

```
    function fun1()
```

```
    {
```

```
        $("#div1").hide("fold", {}, 1000, callback );
```

```
        // Options: blind | bounce | clip | drop | explode | fold  
| highlight | puff | pulsate | scale | shake | size | slide
```

```
    }
```

```
    function fun2()
```

```
    {
```

```
        $("#div1").show("fold", {}, 1000, callback );
```

```
        // Options: blind | bounce | clip | drop | explode | fold  
| highlight | puff | pulsate | scale | shake | size | slide
```

```
    }
```

```
    function callback()
```

```
    {
```

```
        alert("Done");
```

```
    }
```

```
</script>
```

```
</body>
```

```
</html>
```

