

JQUERY UI

# What is jQuery UI?

- jQuery UI is a widget and interaction library built on top of the jQuery JavaScript Library that you can use to build highly interactive web applications.
  - Interactions
  - Widgets
  - Effects
  - Utilities

# Interactions

- Interactions could be added basic mouse-based behaviours to any element.
- Using with interactions, We can create sortable lists, resizable elements, drag & drop behaviours.
  - Draggable
  - Droppable
  - Resizable
  - Selectable
  - Sortable

# Drag-able

- The **Drag-able** function can be used with interactions in JQueryUI. This function can enable drag-able functionality on any DOM element. We can drag the drag-able element by clicking on it with mouse.

```
$( "#draggable" ).draggable();
```

## Drop-able

- The **Drop-able** function can be used with interactions in JQueryUI. This function can be enabled drop-able functionality on any DOM element. We can drop the drag-able element by clicking on it with mouse.

```
$( "#droppable" ).droppable();
```

## Drop-able

- The **Select able** function can be used with interactions in JQueryUI. This function can be enabled select able functionality on any DOM element. Draw a box with your cursor to select items. Hold down the Ctrl key to make multiple non-adjacent selections.

```
$( "#selectable" ).selectable();
```

# Resize able

- The **Resize able** function can be used with interactions in JQueryUI. This function can be enabled Resize able functionality on any DOM element. With the cursor grab the right or bottom border and drag to the desired width or height.

```
$( "#resizable" ).resizable();
```

# Sort able

- The **Sort able** function can be used with interactions in JQueryUI. This function can be enabled sortable functionality on any DOM element. Click on and drag an element to a new spot within the list, and the other items will adjust to fit. By default, sortable items share draggable properties.

```
$(function() {  
  $( "#sortable" ).sortable();  
  $( "#sortable" ).disableSelection();  
});
```



# jQuery - Widgets

- The **Widget accordion** function is same like as Tabs, When user click headers to expand content that is broken into logical sections.

No .	Widgets & Description
1	Accordion Enable to collapse the content, that is broken into logical sections. \$(selector, context).accordion (options)
2	Autocomplete Enable to provides the suggestions while you type into the field. \$(selector, context).autocomplete (options
3	Button Button is an input of type submit and an anchor. \$(selector, context).button (options)
4	Datepicker It is to open an interactive calendar in a small overlay. \$(selector, context).datepicker(options);

# jQuery - Widgets

5	Dialog boxes are one of the nice ways of presenting information on an HTML page. <code>\$(selector, context).dialog(options);</code>
6	Menu shows list of items. <code>\$(selector, context).menu (options);</code>
7	Progressbar It shows the progress information. <code>\$(selector, context).progressbar({option1: value1, option2: value2..... });</code>
8	Select menu Enable a style able select element/elements. <code>\$(selector, context).menu({option1: value1, option2: value2..... });</code>

# jQuery - Widgets

9	<p>Slider The basic slider is horizontal and has a single handle that can be moved with the mouse or by using the arrow keys.</p> <pre>\$(selector, context).slider({option1: value1, option2: value2..... });</pre>
10	<p>Spinner It provides a quick way to select one value from a set.</p> <pre>\$(selector, context).spinner({option1: value1, option2: value2..... });</pre>
11	<p>Tabs It is used to swap between content that is broken into logical sections.</p> <pre>\$(selector, context).tabs({option1: value1, option2: value2..... });</pre>
12	<p>Tooltip Its provides the tips for the users.</p> <pre>\$(selector, context).tooltip({option1: value1, option2: value2..... });</pre>

# jQuery

- Effects add support for animating colors and class transitions, as well as providing several additional easings. In addition, a full suite of custom effects are available for use when showing and hiding elements or just to add some visual appeal.
  - Effect
  - Visibility ; Show, Hide, Toggle
  - Class Animation ; Add Class, Remove Class, Toggle Class, Switch Class
  - Color Animation

# Effects

- `.show( effect [, options ] [, duration ] [, complete ] )`
- `.toggle( effect [, options ] [, duration ] [, complete ] )`
- Colour animation :
  - **backgroundColor** – Sets the background color of the element.
  - **borderTopColor** – Sets the color for top side of the element border.
  - **borderBottomColor** – Sets the color for bottom side of the element border.
  - **borderLeftColor** – Sets the color for left side of the element border.
  - **borderRightColor** – Sets the color for right side of the element border.
  - **color** – Sets the text color of the element.
  - **outlineColor** – Sets the color for the outline; used to emphasize the element.

# Utilities

- the position() method. The position() method allows you to position an element with respect to another element or mouse event.
- .position( options )
- jQuery.widget( name [, base ], prototype )