**jQuery UI**

jQuery UI is a curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library

**Interactions**

* Draggable
  + Enable draggable functionality on any DOM element.
  + jQuery('#draggable').draggable({  
     start:function() {  
     jQuery(this).parent().css({'background-color':'#000'});  
     },  
     drag:function() {  
     jQuery(this).parent().css({'background-color':'red'});  
     },  
     stop:function() {  
     jQuery(this).parent().css({'background-color':'yellow'});  
     },  
     axis:"x"  
     });
* Droppable
  + Create targets for draggable elements.
  + jQuery('#droppable').droppable({  
     accept:"p[id^='draggable']",  
     drop:function(event, ui) {  
     jQuery(ui.draggable[0]).fadeOut();  
     var current\_htm = jQuery(this).html();  
     current\_htm += "<p class='border\_cls'>"+ui.draggable[0].innerHTML+"</p>";  
    jQuery(this).html('').css({'background-color':'yellow'}).html(current\_htm);  
     }  
    });
* Revert draggable position
  + jQuery( "p:not([id^='draggable'])" ).draggable({ revert: "invalid" });

**Widgets**

* **Accordion**
  + <div id="accordion">  
     <div>  
     <h3>Header 1</h3>  
     <div>  
     <p>  
     This is test content for header 1  
     </p>  
     </div>  
     </div>  
     <div>  
     <h3>Header 2</h3>  
     <div>  
     <p>  
     This is test content for header 2  
     </p>  
     </div>  
     </div>  
     <div>  
     <h3>Header 3</h3>  
     <div>  
     <p>  
     This is test content for header 3  
     </p>  
     </div>  
     </div>  
     </div>  
    jQuery('#accordion').accordion({  
     header: "> div > h3",  
     collapsible: true // option to close each item  
     }).sortable({  
     stop:function() {  
     jQuery( this ).accordion( "refresh" );  
     }  
     });
* **Autocomplete**
  + **Static content**
  + jQuery('#tags').autocomplete({  
     source: ['US', 'India', 'China', 'Canada', 'Australia']  
     });
  + **Custom data**
  + var projects = [  
     {  
     value: "jquery",  
     label: "jQuery",  
     desc: "the write less, do more, JavaScript library",  
     icon: "jquery\_32x32.png"  
     },  
     {  
     value: "jquery-ui",  
     label: "jQuery UI",  
     desc: "the official user interface library for jQuery",  
     icon: "jqueryui\_32x32.png"  
     },  
     {  
     value: "sizzlejs",  
     label: "Sizzle JS",  
     desc: "a pure-JavaScript CSS selector engine",  
     icon: "sizzlejs\_32x32.png"  
     }  
     ];  
     jQuery('#ac\_cust\_data').autocomplete({  
     source:projects,  
     focus:function(event, ui) {  
     jQuery('#ac\_cust\_data').val(ui.item.label +' => '+ui.item.desc);  
     },  
     select:function(event, ui) {  
     jQuery('#ac\_cust\_data').val(ui.item.label +' => '+ui.item.desc);  
     return false;  
     }  
     }).autocomplete( "instance" ).\_renderItem = function( ul, item ) {  
     return jQuery( "<li>" )  
     .append( "<div>" + item.label + "<br>" + item.desc + "</div>" )  
     .appendTo( ul );  
     };
  + **Remote**
  + jQuery('#tags').autocomplete({  
     source: ‘items.php’  
    });
  + **Remote with options**
  + jQuery( "#tags" ).autocomplete({  
     source: function( request, response ) {  
     jQuery.ajax( {  
     url: "items.php",  
     data: { term: request.term },  
     success: function( data ) {  
     response( data );  
     }  
     } );  
     },  
     minLength: 2,  
     select: function( event, ui ) {  
     log( "Selected: " + ui.item.value + " => " + ui.item.id );  
     }  
     });
* Buttons
  + Adds styles to button using **.button()**
* CheckboxRadio
  + Add styles to checkboxes and radio buttons using .checkboxradio();
* Datepicker
  + Shows datepicker using .datepicker();
  + jQuery('#datepicker').datepicker({  
     numberOfMonths:2,  
     showButtonPanel: true,  
     changeMonth: true,  
     changeYear: true  
     });
* Dialog
  + Used to create dialog boxes using .dialog();
  + <div id="modal-form" title="Modal window" style="display: none;">  
     <p>This is just a test content for jQuery modal window</p>  
     </div>
  + jQuery("#modal-form").dialog({  
     resizable: false,  
     height: "auto",  
     width: 400,  
     buttons: {  
     "Delete all items": function () {  
     jQuery(this).dialog("close");  
     },  
     Cancel: function () {  
     jQuery(this).dialog("close");  
     }  
     }  
     });
* Tooltip
  + Used to apply tooltip to each html elements in the document
  + <div title="This is a test title">Hello content with title</div>  
     <div>Hello content without title</div>
  + jQuery(document).tooltip({  
     content:function() {  
     return "Content from tooltip function";  
     }  
     });

**Effects**

These extends the function of jQuery and add new options into it.

* addClass / removeClass
  + jQuery('#addClassBtn').click(function() {  
     jQuery('#addClass\_cntr').addClass('newClass', 1000, addClassFn);  
     });  
     function addClassFn() {  
     setTimeout(function() {  
     jQuery('#addClass\_cntr').removeClass('newClass').addClass('oldClass');  
     }, 3000);  
     }