

jQuery / jQueryUI

Introduction to jQuery

What is jQuery?

A JavaScript library

- Cross-browser
- Simplifies interactions between HTML and scripts

Basic sample

```
$('#div').addClass('red');
```

1. jQuery object
2. Find elements
3. Alter matched items

jQuery capabilities

Selectors - Find items in DOM

Manipulation - Add, remove, copy, move, alter classes/css

Traversing - Filtering, navigating DOM from selection

Data - read/write data attributes, form values, html attributes

Events - Capture events from user interaction

Effects - Simple animations, show/hide elements

Ajax - send/receive data from server without page refresh

Other - loop objects/arrays, merge objects, etc.

Selectors

Html elements

Classes

Ids

Attributes

many other advanced selectors

Manipulations

Add/remove classes

Change attribute value

Add elements

Delete elements

.each()

Loop through elements

```
$('#p').each(function(index, e){  
    $(e).addClass('bold');  
});
```

jQuery UI

A javascript library containing UI effects, widgets and themes.

Built on top of jQuery library.

UI widgets

Accordion

Autocomplete

Button

Datepicker

Dialog

Menu

Progressbar

Slider

Spinner

Tabs

Tooltip