jQuery

ONE FRAMEWORK TO RULE THEM ALL

jQuery

Extremely powerful

Most widely used

Cross browser

Open source

WHAT CAN IT DO?

DOM Manipulation & Traversal

Event handling

Styling & Animation

AJAX*

.... many more

WHY USE IT?

Much easier syntax than native JS

Much better cross browser support

SELECTORS

Syntax:

$(selector).action()

 - $ sign to define jQuery object

 - 'selector' or query to find the HTML element

 - action to be performed

SELECTORS

Examples:

$('p').hide()

$('.class').click(function(){...})

$(this).hide()

$('#id').on('event', function (){...})

DOM MANIPULATION

html() - <p> hi <pi>

text() - hi

val() - value of the input

attr() - href etc..

DOM MANIPULATION

Get:

<p> This is some <i> italicized</i> text </p>

$('p').html() - This is some <i> italicized</i> text

$('p').text() - This is some italicized text

DOM MANIPULATION

Set:

<p></p>

$('p').html("This is some <i> italicized</i> text")

$('p').text(This is some italicized text)

DOM TRAVERSAL

Ancestors

Children

Siblings

DOM TRAVERSAL

Ancestors:

- parent()

- parents()

- parentsUntil()

DOM TRAVERSAL

Children:

- children()

- find()

DOM TRAVERSAL

Siblings:

- siblings()

- next()

- prev()

- nextUntil, prevUntil, ...

EVENTS

Mouse

Keyboard

Forms

Document

EVENTS

Mouse:

- hover

- click

- mouseenter

- mouseleave

EVENTS

Keyboard:

- keypress

- keyup

- keydown

EVENTS

Document:

- load

- unload

- **scroll**

EVENTS

General syntax:

$('selector').event(callback (){...})

EVENTS

On method

 - attaches one or more event handlers for the selected elements

 - $('selector').on('event', fucntion(){...})

 - $('selector').on({ event1: callback(){}, event2: callback(){})

CHAINING

chain actions/functions together

$(selector).css("color","red").slideUp(2000).slideDown(2000);

STYLING

addClass()

removeClass()

toggleClass()

css()

EXAMPLE

WHY YOU SHOULDN'T USE IT

Relic of the past

 - Native JS can do most things now. You probably don't need jQuery.

 - Browser compatibility not that big an issue

 - Native methods 'faster', file size is 'smaller'

WHY YOU SHOULDN'T USE IT

"They don't know what they need jQuery for, so they just use jQuery anyway.." - Lea Verou

http://youmightnotneedjquery.com/

WHY YOU SHOULDN'T USE IT

Real reason:

jQuery uses its own wrapper objects!

You end up with code that mixes jQuery objects, native elements and NodeLists.

And this is where the hell begins

- Lea Verou

EXAMPLE