

Select this, an Introduction to jQuery



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Warning



Agenda

- Why jQuery
- Key Features
- End to End Example
- Questions

Helpful Hints & Disclaimers

Danger, Will Robinson...

- \$ is typically the shortcut for jQuery
- DOM stands for document object model
- The DOM is a tree structure that consists of nodes
- Node is to element as element is to node
- This is not production quality code
- I do not have an encyclopedic knowledge of jQuery
- Sprinkled with bad humor
- <http://jsfiddle.net/>
- <http://api.jquery.com/>

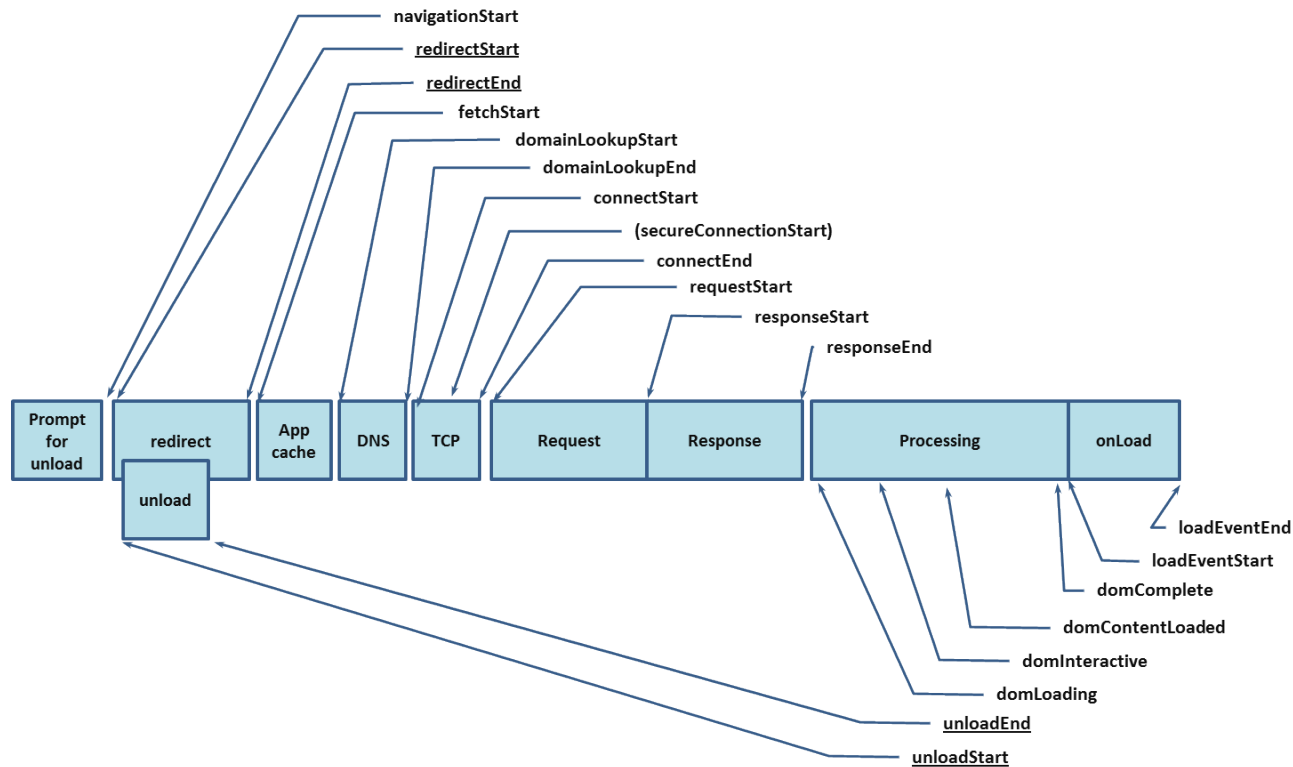
Why should I use jQuery?

Software is hard...

- Large user community
- Extensible: Abundance of plugins and frameworks
- Documentation
- Well tested: DOB 08/26/2006
- Easy to learn; Rapid development
- jQuery abstracts these browser quirks, e.g., <http://jsfiddle.net/vWckd/>

DOM Ready

Watch your speed. Trouble ahead, trouble behind...



- `$(document).ready(function () { /* cool stuff goes here */ });`

Selectors & Filters

I'm gonna git you sucka...

- CSS selectors are patterns used to select the element(s) you want to style.
- Supports CSS2,3 selectors with some chunky gravy: <http://jsfiddle.net/bHjXH/1/>
- Selectors: id, class, tag name, attribute, etc.
- Filters: checked, disabled, etc.

Event Handlers

Bake them away toys...

- click, mousedown, keypress, focus, resize, change, etc. Bind and unbind handlers using \$.on and \$.off respectively. \$.trigger an event.
- Supports custom events.
- Normalizes event object according to W3C standards
- <http://jsfiddle.net/5MejY/5/>

Working with the DOM

Okay, insert rod support A into slot B...

- To make a site interactive it is imperative that you can modify the DOM
- \$.html, \$.remove, \$.append, \$.prepend, etc.
- <http://jsfiddle.net/xGEbB/1/>

Working with DOM (continued)

Boom boom acka lacko boom boom...

- When creating a dynamic page things change because, well it is dynamic, so knowing the context of node is helpful.
- `$.parent()`, `$.children()`, `$.closest()`
- <http://jsfiddle.net/uFheU/3/>

Effects

Oh my God its full of stars...

- Effects help relate a user action to an outcome and improve usability. They also make you look fancy.
- \$.slideUp, \$.slideDown, \$.fadeIn, \$.fadeOut
- <http://jsfiddle.net/GEx7x/6/>

End to End Example

If you build it...

- Go, go jQuery demo,
<http://jsbin.com/xtal0/last>

Questions?

I can picture in my mind a world without war, a world without hate. And I can picture us attacking that world, because they'd never expect it.

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Resources

- <http://api.jquery.com/>
- <http://learn.jquery.com/>
- <http://twitter.github.io/bootstrap/>
- <http://jqueryui.com/>
- <http://plugins.jquery.com/>
- <http://jquerymobile.com/>
- <http://stackoverflow.com/>
- <https://forum.jquery.com/>