



jQuery

Introduction

Ajax Experience - July 2007

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What is jQuery?

- An open source JavaScript library that simplifies the interaction between HTML and JavaScript.



Why jQuery?

- Fully documented
- Great community
- Tons of plugins
- Small size (20kb)
- Everything works in IE 6+, Firefox, Safari 2+, and Opera 9+



Complete Focus:

- Find some elements
- Do something with them



Find Some Elements...

- Full CSS 1-3 Support
- Basic XPath
- Better CSS support than most browsers



\$("div")

```
<div id="body">  
  <h2>Some Header</h2>  
  <div class="contents">  
    <p>...</p>  
    <p>...</p>  
  </div>  
</div>
```



\$("#body")

```
<div id="body">  
  <h2>Some Header</h2>  
  <div class="contents">  
    <p>...</p>  
    <p>...</p>  
  </div>  
</div>
```



\$("div#body")

```
<div id="body">  
  <h2>Some Header</h2>  
  <div class="contents">  
    <p>...</p>  
    <p>...</p>  
  </div>  
</div>
```



`$("div.contents p")`

```
<div id="body">  
  <h2>Some Header</h2>  
  <div class="contents">  
    <p>...</p>  
    <p>...</p>  
  </div>  
</div>
```



`$("div > div")`

```
<div id="body">  
  <h2>Some Header</h2>  
  <div class="contents">  
    <p>...</p>  
    <p>...</p>  
  </div>  
</div>
```



\$("div[div]")

```
<div id="body">  
  <h2>Some Header</h2>  
  <div class="contents">  
    <p>...</p>  
    <p>...</p>  
  </div>  
</div>
```



Features

- **Events** (click, hover, toggle)
- **DOM Manipulation** (append, prepend, remove)
- **Effects** (hide, show, slideDown, fadeOut)
- **AJAX** (load, get, post)



Events

- `$(“form input:last”).click(function(){
 $(“#menu”).slideDown(“slow”);
});`



DOM Manipulation

- `$(“a[@target]”).append(“ (Opens in New Window)”);`
- `$(“#body”).css({
border:“1px solid green”,
height:“40px”
});`



Effects

- `$("#menu").slideDown("slow");`
- `$("#div").hide(500,function(){
 $(this).show(500);
});`



AJAX

- `$("#body").load("sample.html");`
- `$.getScript("test.js");`



Chaining

- `$("#div").hide();`
- `$("#div").hide().color("blue");`
- `$("#div").hide().color("blue").slideDown();`



Live Demos



Accordion Menu



Hover Menu



Todo List



Plugins

- Drag and Drop
- Sortables
- Tabbed Navigation
- Sortable Tables
- And hundreds more...



Community

- Very active mailing list
 - 108+ Posts/Day
 - 2500+ Members
- Technorati: 22+ blog posts per day



Who uses jQuery?

- IBM
- MSNBC
- Technorati
- Drupal
- Wordpress
- Digg
- many others...



Books

- 4 Books in Progress:
 - Learning jQuery (Packt)
 - jQuery Reference (Packt)
 - jQuery Quickly (Manning)
 - Designing with jQuery (Manning)



Future

- “jQuery UI”
- Theming
- Internationalization



jquery.com

docs.jquery.com - jquery.com/plugins

More:

visualjquery.com

learningjquery.com