

# Useful jQuery Plugins

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# Outline - Introduction

- What is jQuery?
- What is a Plugin?
- jQuery Migrate Plugin
- Finding Plugins
- Plugin Considerations
- Plugin Strategy

# What is jQuery?

- **Free, open source, library that simplifies JavaScript development**
  - Cross browser
  - DOM manipulation
  - Ajax
- **Rich plugin community that extends core library**

# jQuery Versions

- **1.9+**
  - Removed previously deprecated features (*jQuery Migrate Plugin*)
  - Supports IE 6+
  - <http://jquery.com/upgrade-guide/1.9/>
- **2.0**
  - Same API as 1.9
  - Supports IE 9+

# Version Support

- Use a single version that supports the necessary clients
- Server side detection
- Client side conditional comments (IE)

```
<!--[if lt IE 9]>
```

```
  <script src="jquery-10.2.1.min.js"></script>
```

```
<![endif]-->
```

```
<!--[if gte IE 9]><!-->
```

```
  <script src="jquery-2.0.2.min.js"></script>
```

```
<!--[endif]-->
```

# Ready Function

- Traditional `<body onload="">` does not fire until all parts of the page are downloaded (.js, .css, images)
- `$(document).ready(function( ) {  
 //Code to run  
});`
- `$(function() {  
 //Code to run  
});`

# Selectors - Basic

- `$("#id")` – element id
- `$(".class")` – element(s) class
- `$("E")`
- `$("E D")` – descendent
- `$("E > C")` – direct child C

# What is a plugin?

- Rich client side experiences that are simple to add and work cross browser
- A method that extends the jQuery object
- Provides functionality for a collection of elements



# jQuery Migrate Plugin

- **“Restores deprecated features and behaviors so that older code will still run properly on jQuery 1.9 and later”**
- **Uncompressed version has diagnostics**
  - Writes warnings to developer tools console
  - `jQuery.migrateWarnings`
- **“We recommend that you always start by including the jQuery Migrate plugin to see if it gives you any warnings”**

# Finding Plugins

- Search for specific desired functionality (Github, blogs, etc.)
- <http://plugins.jquery.com>
- <http://jquery-plugins.net/>
- Search for “best jQuery plugins” (top 50, etc.)
- Find on another web site

# Plugin Considerations

- **License**
- **Update history**
  - Active updates?
- **Support?**
- **Documentation?**
- **Similar to something already using? Support both? Migrate other?**
- **Security reviews**
- **Minimized**

# Plugin Strategy

- **Test!**
  - New jQuery versions
  - New browsers
  - Plugin updates
- **List of supported plugins**
- **Abstract usage so can replace with another plugin**

# Summary

- **jQuery**
  - Versions
  - Migrate plugin
  - Ready Function
  - Selectors
- **What is a Plugin?**
- **Finding Plugins**
- **Plugin Considerations and Strategy**