jQuery Data Method

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Overview

Extra Attributes

```
<div id="myDiv" someExtraData="my extra data"></div>
```

Outline

- **Introduction**
- **Basic Usage**
- **Advanced Storage**
- **Advanced Retrieval**
- **Reserved Keys**
- **Data Events**
- **Setting Data on plain objects**
- **HTML5 Data Attributes**
- **Cleaning Up**
- **Useful Plugins**
- **Summary**

Reserved Keys

- **"events"**
- **"handle"**
- **Anything that starts with an underscore**

```
$(selector).data("events", 3); // WRONG
$(selector).data("handle", 3); // WRONG
$(selector).data("_stuff", 3); // WRONG
```

Data Events

- **getData**
- **setData**
  - fired before the value is set
- **changeData**
  - fired after the value is set

HTML5 Data Attributes

- **Any attribute that starts with "data-"**

```
<div id="myDiv" data-someData="3" data-moreData="hi there">
</div>
```

Limitations

- **Data must be stored as a string**
- **Lives with the HTML**

Advantages

- **Easily written on the server**

HTML5 Data Attributes with jQuery

```
var message = $(selector).attr("data-message");
```

```
$(selector).attr("data-message", message);
```

```
var message= $(selector).data("message");
```

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Data method with HTML5 Data Attributes

- Naming
- Read Only
- Best Guess Type Casting
- Read From Cache First

Useful Plugins

- **filterByData**
  - http://www.elijahmanor.com/2011/07/filterbydata-jquery-plugin.html

```
$(selector).filterByData("key");
$(selector).filterByData("key", "value");
```

- **dataAttr**
  - https://github.com/mathiasbynens/HTML5-custom-data-attributes-plugin-for-jQuery

```
$(selector).dataAttr("key", "value");
$(selector).dataAttr("key");
```

Summary

- Store
- Retrieve
- Performance
- Events
- HTML5
- Cleanup