

JavaScript Libraries and jQuery Plugins

How do you judge a library?

- Quality
- Maintenance
- Popularity
- Personality

Quality

- Readme
- Documentation
- License
- Does it have a stable version number?
- Tests - what percentage covered?
- Outdated dependencies? Any vulnerabilities?
- Does it have a custom website?
- Does the project have linters?
- What's the code complexity score?
- Is it fast and efficient?
- Is it responsive (if possible)?

Maintenance

- Open issues vs. closed issues
- The time it takes to close an issue
- Most recent commit
- Commit frequency

Popularity

- Number of:
 - Forks
 - Stars
 - Subscribers
 - Dependents
 - Downloads

Personality

- Who wrote it?
- Are they well known in the community?

Where can you find them?

- libraries.io
- javascripting.com
- cdnjs.com
- plugins.jquery.com
- unheap.com

How to make them?

- learn.jquery.com - Basic
- Team Treehouse
- learn.jquery.com - Advanced
- learn.jquery.com - Stateful plugins

Custom functions

```
// Make sure you have jQuery loaded!

$.fn.makeRebeccaPurple = function () {
    this.css({
        color: "rebeccapurple"
    });
};

$("h1").makeRebeccaPurple();
```

Allow chaining

```
// Make sure you have jQuery loaded!

$.fn.makeRebeccaPurple = function () {
    this.css({
        color: "rebeccapurple"
    });
    return this;
};

$("h1").makeRebeccaPurple().text("Purple");
```

Protect everything!

```
// Make sure you have jQuery loaded!

(function ($) {
    $.fn.makeRebeccaPurple = function () {
        this.css({
            color: "rebeccapurple"
        });
        return this;
    };
})(jQuery);

$("h1").makeRebeccaPurple().text("Purple");
```