

Javascript and the DOM

Adding Interactivity to Web Pages



Lightweight Footprint

Only 32kB minified and gzipped.
Can also be included as an AMD module



CSS3 Compliant

Supports CSS3 selectors to find elements as well as in style property manipulation



Cross-Browser

Chrome, Edge, Firefox, IE, Safari, Android, iOS, and more



Download jQuery v3.2.0

[View Source on GitHub →](#)

[How jQuery Works →](#)

What is jQuery?

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

Resources

- [jQuery Core API Documentation](#)
- [jQuery Learning Center](#)
- [jQuery Blog](#)
- [Contribute to jQuery](#)

What is jQuery?

- “Write less, do more” JavaScript library
- Includes functions for most common tasks, implemented with a simple syntax
- Cross-browser compatible
- Industry standard

Why Use jQuery?

- You can download jQuery and use it with a local file reference (useful if you're working offline)

```
<script src="jquery.js"></script>  
  
<script>  
// Your code goes here.  
</script>
```

- Or you can link to a hosted library (CDN)

Implementing jQuery



Contents ^

- Libraries
 - AngularJS
 - Angular Material
 - Dojo
 - Ext Core
 - Hammer.JS
 - Indefinite Observable
 - jQuery
 - jQuery Mobile
 - jQuery UI
 - MooTools
 - Prototype
 - script.aculo.us
 - SPF
 - SWFObject
 - three.js
 - Web Font Loader
- Troubleshooting

^

The Google Hosted Libraries is a stable, reliable, high-speed, globally available content distribution network for the most popular, open-source JavaScript libraries.

Google works directly with the key stakeholders for each library effort and accepts the latest versions as they are released.

Hosted JavaScript Libraries

Secure <https://developers.google.com/speed/libraries/#jquery>

Google Hosted Libraries

Search All Products



jQuery

3.x snippet:

```
<script  
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.  
js"></script>
```

2.x snippet:

```
<script  
src="https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.  
js"></script>
```

1.x snippet:

```
<script  
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min  
.js"></script>
```

site:

jquery.com

versions:

3.2.1, 3.2.0, 3.1.1, 3.1.0, 3.0.0, 2.2.4, 2.2.3, 2.2.2, 2.2.1, 2.2.0, 2.1.4, 2.1.3, 2.1.1,
2.1.0, 2.0.3, 2.0.2, 2.0.1, 2.0.0, 1.12.4, 1.12.3, 1.12.2, 1.12.1, 1.12.0, 1.11.3, 1.11.2,
1.11.1, 1.11.0, 1.10.2, 1.10.1, 1.10.0, 1.9.1, 1.9.0, 1.8.3, 1.8.2, 1.8.1, 1.8.0, 1.7.2,
1.7.1, 1.7.0, 1.6.4, 1.6.3, 1.6.2, 1.6.1, 1.6.0, 1.5.2, 1.5.1, 1.5.0, 1.4.4, 1.4.3, 1.4.2,
1.4.1, 1.4.0, 1.3.2, 1.3.1, 1.3.0, 1.2.6, 1.2.3

Google-Hosted jQuery

```
<body>
```

```
    <!-- your pagecontent goes here -->
```

```
    <script src="link to jquery – local or hosted"></script>
```

```
    <script>
        // your code goes here
    </script>
```

```
</body>
```

```
$(selector).action();
```

\$ says to use jQuery

selector is an HTML selector

action() is a jQuery *method* you want to use on that element.

Basic jQuery Syntax

`$(this).hide()`

hides the current element

`$("p").hide()`

hides all `<p>` elements

`$(".test").hide()`

hides all elements with `class="test"`

`$("#test").hide()`

hides the element with `id="test"`

jQuery Examples

```
$(document).ready(function(){
```

```
// jQuery methods go here...
```

```
});
```

“Document Ready” Event

BEYOND JQUERY: OTHER JAVASCRIPT LIBRARIES



Demos Download API Documentation Themes Development Support Blog About

Search



Interactions

- Draggable
- Droppable
- Resizable
- Selectable
- Sortable

Widgets

- Accordion
- Autocomplete
- Button
- Checkboxradio
- Controlgroup
- Datepicker
- Dialog

jQuery UI is a curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library. Whether you're building highly interactive web applications or you just need to add a date picker to a form control, jQuery UI is the perfect choice.

Download jQuery UI 1.12.1

Custom Download

Quick Downloads:

Stable

v1.12.1

jQuery 1.7+

Legacy

v1.11.4

jQuery 1.6+

What's New in jQuery UI 1.12?

New theme: New theme: Our long-time default grayscale theme Smoothness has been succeeded by a modern theme with some colors, less gradients and some other improvements.

New widgets: jQuery UI 1.12 includes widgets: [Controlgroup](#) replaces buttonset and adds support for selectmenu and the new [checkboxradio](#) widget. We've added support for using jQuery UI with [AMD](#) and [Bower](#). We also have over 50 bug fixes.

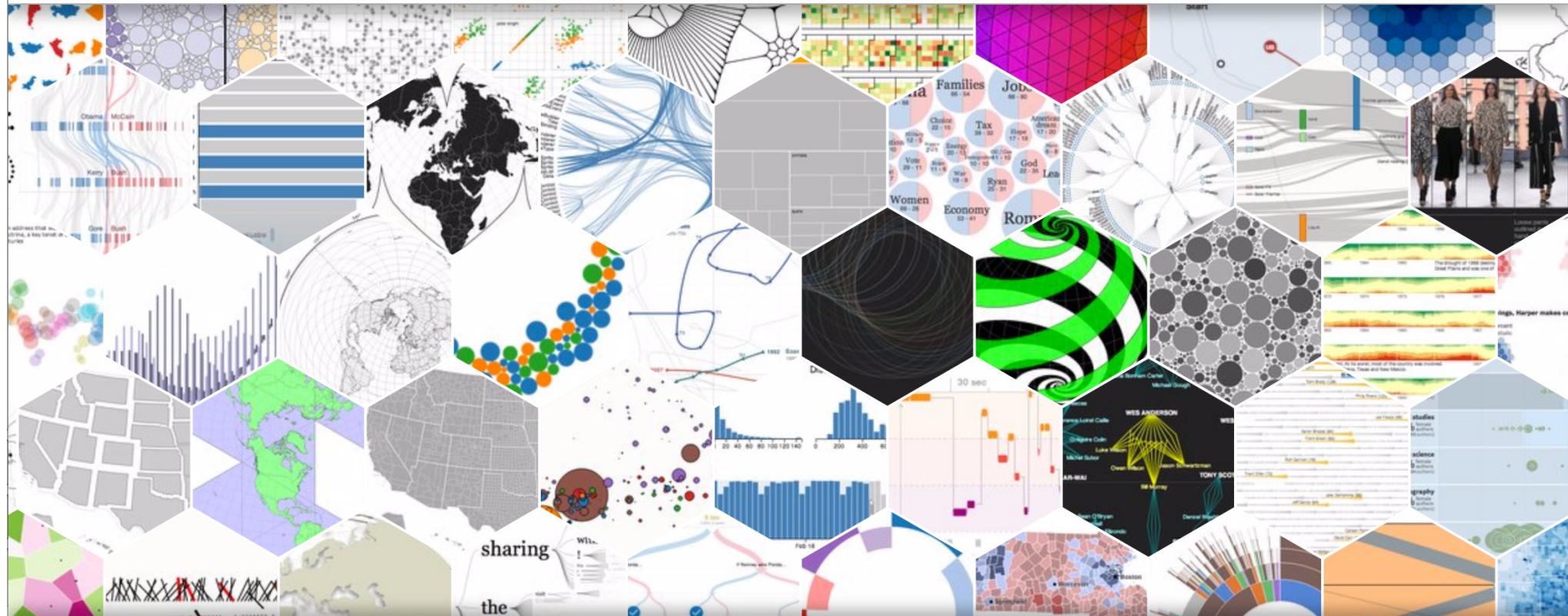
New classes option: All widgets get a new option, called `classes`. This gives a

Developer Links

- [Source Code \(GitHub\)](#)
- [jQuery UI Git \(WIP Build\)](#)
- [Theme \(WIP Build\)](#)
- [Bug Tracker](#)
- [Submit a New Bug Report](#)
- [Discussion Forum](#)
- [Using jQuery UI](#)
- [Developing jQuery UI](#)



Data-Driven Documents



D3.js is a JavaScript library for manipulating documents based on data. **D3** helps you bring data to life using HTML, SVG, and CSS. D3's emphasis on web standards gives you the full capabilities of modern browsers without tying yourself to a proprietary framework, combining powerful visualization components and a data-driven approach to DOM manipulation.

[See more examples.](#)



About

Governance

Working Groups

Releases

Resources

Trademark

Privacy Policy

About Node.js®

As an asynchronous event driven JavaScript runtime, Node is designed to build scalable network applications. In the following "hello world" example, many connections can be handled concurrently. Upon each connection the callback is fired, but if there is no work to be done Node is sleeping.

```
const http = require('http');

const hostname = '127.0.0.1';
const port = 3000;

const server = http.createServer((req, res) => {
  res.statusCode = 200;
  res.setHeader('Content-Type', 'text/plain');
  res.end('Hello World\n');
});

server.listen(port, hostname, () => {
  console.log(`Server running at http://${hostname}:${port}/`);
});
```



FEATURES

DOCS

EVENTS

GET STARTED



One framework.
Mobile & desktop.

GET STARTED



Angular v4.0 is out! Smaller, faster, no biggie...

LEARN MORE



Docs Tutorial Community Blog

Search docs...

GitHub v15.5.0

React

A JAVASCRIPT LIBRARY FOR BUILDING USER INTERFACES

Get Started

Take the Tutorial

Declarative

React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

Declarative views make your code more predictable and easier to debug.

Component-Based

Build encapsulated components that manage their own state, then compose them to make complex UIs.

Since component logic is written in JavaScript instead of templates, you can easily pass rich data through your app and keep state out of the DOM.

Learn Once, Write Anywhere

We don't make assumptions about the rest of your technology stack, so you can develop new features in React without rewriting existing code.

React can also render on the server using Node and power mobile apps using [React Native](#).