



APIs and jQuery

Application Programming Interface

JSON

Arrays and Objects

API Host

<http://api.github.com>

API Host + "/users"

```
[  
  { "name" : "Colin Loretz" },  
  { "name" : "Chris Baker" },  
  { "name" : "Josh Fleming" }  
]
```

API Host + "/users/:username"

```
{  
  "name" : "Colin Loretz"  
}
```


HTTP Verbs

GET
POST
PUT
DELETE

\$.ajax(options)

```
$.ajax({  
    url: url,  
    data: data,  
    success: success,  
    dataType: dataType,  
    type: type  
});
```

GET with \$.ajax

```
$.ajax({  
  url: 'http://api.github.com/users/colinloretz',  
  success: processGithub,  
  dataType: 'json',  
  type: 'GET'  
});
```

```
function processGithub(data) {  
  console.log(data);  
}
```

POST with \$.ajax

```
$.ajax({  
  url: 'http://api.github.com/users',  
  data: payload,  
  success: processGithub,  
  dataType: 'json',  
  type: 'POST'  
});
```

```
function processGithub(data) {  
  console.log(data);  
}
```

\$.get(url, callback)

```
$.get( "ajax/test.html", function( data ) {  
    $( ".result" ).html( data );  
    alert( "Load was performed." );  
});
```

\$.getJSON(url, callback)

```
$.getJSON( "ajax/test.json", function( data ) {  
    $( ".result" ).html( data );  
    alert( "Load was performed." );  
});
```

`$.post(url, data, callback)`

```
$.post( "ajax/test.php", payload, function( data ) {  
    $( ".result" ).html( data );  
    alert( "Load was performed." );  
});
```


Weather Demo

<http://openweathermap.org/api>