jQuery-free JavaScript

Native Ajax

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Native Ajax

- **Get**
- **Post**
- **JSONP**

Ajax Get

jQuery: Option 1

```
$.get("/echo/json/", function(data) {});
//GET http://fiddle.jshell.net/echo/json/


$.get(
  "/echo/json/",
  { category: "books" },
  function(data) {}
);
//GET http://fiddle.jshell.net/echo/json/?category=books
```

Ajax Get

jQuery: Option 2

```
$.ajax({
  type: "GET",
  url: "/echo/json/",
  data: { category: "books",
  success: function(data) {
    //Handle data from server
  }
});
//GET http://fiddle.jshell.net/echo/json/?category=books
```

Ajax Get

Native

```javascript
var xhr = new XMLHttpRequest();

xhr.open("GET", "/echo/json/?category=books", true);
xhr.onload = function() {
  if (this.status === 200) { alert(this.responseText); }
};

xhr.send();
//GET http://fiddle.jshell.net/echo/json/?category=books
```

Ajax Post

jQuery: Option 1

```
$.post("/echo/json/", function(data) {});


$.post(
  "/echo/json/",
  { category: "books" },
  function(data) {}
);
```

Ajax Post

jQuery: Option 2

```
$.ajax({
  type: "POST",
  url: "/echo/json/",
  data: { category: "books" },
  success: function(data) {
    //Handle data from server
  }
});
```

Ajax Post

Native: Option 1

```javascript
var xhr = new XMLHttpRequest();

xhr.open("POST", "/echo/json/", true);
xhr.setRequestHeader("Content-type",
    "application/x-www-form-urlencoded");
xhr.onload = function() {
  if (this.status === 200) { alert(this.responseText); }
};
xhr.send("category=books&sort=asc");
```

Ajax Post

Native: Option 2

```javascript
var formData = new FormData(), xhr = new XMLHttpRequest();

formData.append("category", "books");
formData.append("sort", "asc");

xhr.open("POST", "/echo/json/", true);
xhr.setRequestHeader("Content-type",
  "application/x-www-form-urlencoded");
xhr.onload = function() {
  if (this.status === 200) { alert(this.responseText); }
};
xhr.send(formData);
```

Ajax Post

Native: Option 3

```javascript
var form = document.getElementById("myForm"),
    formData = new FormData(form),
    xhr = new XMLHttpRequest();

xhr.open("POST", "/echo/json/", true);
xhr.setRequestHeader("Content-type",
    "application/x-www-form-urlencoded");
xhr.onload = function() {
    if (this.status === 200) { alert(this.responseText); }
};
xhr.send(formData);
```

JSONP

jQuery: Option 1

```
$.ajax({
  url: "http://jsfiddle.net/echo/jsonp",
  dataType: "jsonp",
  success: function(data) { /* Handle data from server */ }
});
```

jQuery: Option 2

```
$.getJSON("http://jsfiddle.net/echo/jsonp?callback=?",
  function(data) {
    // Handle data from server
  });
```

JSONP

Native

```javascript
function jsonpCallback(data) {
  //Handle data from server
}

var script = document.createElement("script");
script.src =
  "http://jsfiddle.net/echo/jsonp?callback=jsonpCallback";
document.head.appendChild(script);
```

Micro-Library

Request - https://github.com/ded/reqwest

```javascript
reqwest("/echo/json/", function(data) {});

reqwest({
  url: "/echo/json/",
  method: "get",
  success: function(data) { /* Handle data from server */ }
});

reqwest({
  url: "http://jsfiddle.net/echo/jsonp??callback=?",
  type: "jsonp",
  success: function(data) { /* Handle data from server */ }
});
```

DEMO

- **Get**
- **Post**
- **JSONP**
- **Micro Library**

Summary

```
$.get("/pets", function(pets) {});
```

```
var xhr = new XMLHttpRequest();
xhr.open("GET", "/pets", true);
xhr.onload = function() {};
xhr.send();
```

```
$.post("/pet", { name: "fluffy",
age: 3 }, function() {});
```

```
var xhr = new XMLHttpRequest();
xhr.open("POST", "/pet", true);
xhr.setRequestHeader(
  "Content-type",
  "application/x-www-form-urlencoded"
);
xhr.onload = function() {};
xhr.send("name=fluffy&age=3");

reqwest("/pets", function(pets) {});
```