

AJAX TUTORIAL

index.html

```
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1"/>
  <title>JSON & AJAX</title>
  <link rel="stylesheet" href="css/styles.css">
</head>
<body>
  <header>
    <h1>JSON AND AJAX</h1>
    <button id="btn">Fetch Info for 3 New Animals</button>
  </header>
  <div id="animal-info"></div>
  <script src="js/main.js"></script>
</body>
</html>
```

../css/styles.css

```
html, body {
  padding: 0;
  margin: 0;
}

.hide-me {
  visibility: hidden;
  opacity: 0;
  transform: scale(.75);
}

h1 {
  margin-top: 0;
  font-size: 2.4em;
  font-weight: normal;
  display: inline-block;
}

body {
  font-family: Helvetica, sans-serif;
  padding: 50px 10%;
}

button {
  background-color: #046380;
```

```
color: #FFF;
border: none;
padding: 10px 15px;
font-size: 15px;
border-radius: 4px;
cursor: pointer;
outline: none;
box-shadow: 2px 2px 0 #034154;
margin-bottom: 10px;
margin-left: 18px;
transition: opacity .4s ease-out, transform .4s ease-out, visibility .4s ease-out;
position: relative;
top: -10px;
}
```

```
button:hover {
  background-color: #034F66;
}
```

```
button:active {
  background-color: #034154;
  box-shadow: none;
  position: relative;
  top: -8px;
  left: 2px;
}
```

```
p {
  padding: 4px 0 2px 8px;
  line-height: 1.7;
  border-bottom: 1px dotted #DDD;
  list-style: none;
  margin: 0;
}
```

../js/main.js

```
var pageCounter = 1;
var animalContainer = document.getElementById("animal-info");
var btn = document.getElementById("btn");

btn.addEventListener("click", function() {
  var ourRequest = new XMLHttpRequest();
  ourRequest.open('GET', 'https://learnwebcode.github.io/json-example/animals-' +
pageCounter + '.json');
  ourRequest.onload = function() {
    if (ourRequest.status >= 200 && ourRequest.status < 400) {
      var ourData = JSON.parse(ourRequest.responseText);
```

```

        renderHTML(ourData);
    } else {
        console.log("We connected to the server, but it returned an error.");
    }
};

ourRequest.onerror = function() {
    console.log("Connection error");
};

ourRequest.send();
pageCounter++;
if (pageCounter > 3) {
    btn.classList.add("hide-me");
}
});

function renderHTML(data) {
    var htmlString = "";

    for (i = 0; i < data.length; i++) {
        htmlString += "<p>" + data[i].name + " is a " + data[i].species + " that likes to eat ";

        for (ii = 0; ii < data[i].foods.likes.length; ii++) {
            if (ii == 0) {
                htmlString += data[i].foods.likes[ii];
            } else {
                htmlString += " and " + data[i].foods.likes[ii];
            }
        }

        htmlString += ' and dislikes ';

        for (ii = 0; ii < data[i].foods.dislikes.length; ii++) {
            if (ii == 0) {
                htmlString += data[i].foods.dislikes[ii];
            } else {
                htmlString += " and " + data[i].foods.dislikes[ii];
            }
        }

        htmlString += '.</p>';
    }

    animalContainer.insertAdjacentHTML('beforeend', htmlString);
}

```

JSON AND AJAX

Fetch Info for 3 New Animals

Meowsy is a cat that likes to eat tuna and catnip and dislikes ham and zucchini.

Barky is a dog that likes to eat bones and carrots and dislikes tuna.

Purpaws is a cat that likes to eat mice and dislikes cookies.