

Übungshilfe: Code Snippets

AJAX: GET-Call without jQuery

```
function loadCurrentWeather() {
    var xhttp = new XMLHttpRequest();
    xhttp.onreadystatechange = function () {
        if (this.readyState == 4 && this.status == 200) {
            //answer is ready and status is "ok"
            showWeatherData(this.responseText);
        }
    };
    xhttp.open("GET", "https://5dayweather.org/api.php?city=Zuerich", true);
    xhttp.send();
}
```

AJAX: GET-Call with jQuery

```
function loadCurrentWeather() {
    $.get("https://5dayweather.org/api.php?city=Zuerich", function (pData, pStatus) {
        if (pStatus == "success") {
            showWeatherData(pData);
        } else {
            //error handling
        }
    });
}
```

AJAX: POST-Call with jQuery

```
//see https://www.w3schools.com/jquery/jquery_ajax_get_post.asp
$.post("http://api.todoapplication.com/todoItems",
    {
        toDoName: "Name of ToDo-Item",
        toDoDescription: "Description of ToDo-Item"
    },
    function (data, status) {
        alert("Data: " + data + "\nStatus: " + status);
    });
```

AJAX: LOAD with jQuery

```
//loads the content of an URL directly inside a html-container
//see https://www.w3schools.com/jquery/ajax_get.asp
$("#div1").load("http://add-url-here.com");
```

AJAX: with custom configuration

```
//see https://stackoverflow.com/questions/3163229/check-status-of-a-jquery-ajax-request
var xhr = $.ajax({
    type: "GET",
    url: "http://add-an-url-here.com",
    dataType: "script",
    success: function () {
        alert("success");
    },
    error: function () {
        alert("error");
    }
});
```

jQuery: Get input-field-value

```
var input = $("#inputId").val();
```

jQuery: Clear container-content

```
var container = $("#containerId");  
container.empty(); //clear the content inside the container
```

jQuery: Add Event-Listener on Button

```
$(document).ready(function () { //add event-listener on button  
    $("#buttonId").on("click", function () {  
        methodToCall();  
    });  
});
```

jQuery: Create new HTML-Element (Paragraph)

```
var newParagraphObject = $("

</p>").text("paragraph-text");


```

jQuery: Create new HTML-Element (Button with Event Listener)

```
var button =  
    $('<button/>',  
        {  
            text: 'Button Title',  
            click: function () {  
                alert('hi');  
            }  
        })  
    );  
$("body").append(button);
```

Append HTML-Element to another HTML-Element

```
$("body").append(button1, button2, '<hr/>');
```

jQuery / AJAX Referenz

https://www.w3schools.com/jquery/jquery_ref_ajax.asp