

05 – jQuery

//// Design of Distributed Systems

Dipl.-Inf. André Langer

VSR.Informatik.TU-Chemnitz.de

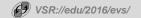


Repetition

What you should already know:

- # CSS
- # ECMAScript (JavaScript)
- # DOM
- #XHR





Are there any Questions concerning

Assignemtn 4?

Guestbook

Heribert: Hallo (X)

Heribert2: Hallo Welt (X)

Bernd Wiesacher: Hallo ihr alle (X)

Bernd Wiesacher: Ich konnte wegen Verspätung der Straßenbahn einen wichtigen Termin nicht







JavaScript helpers

Instead of writing

document.getElementById("id").innerHTML

you could state something like

\$("#id").html()





Instead of writing

document.getElementById("id").style.fontFamily = "Arial"

you could state something like

\$("#id").css("font-family", "Arial")





Instead of writing

you could state something like

```
$.get("data.xml", data => $("#id").html(data))
```





Instead of writing

```
if (document.addEventListener) {
   // For all major browsers, except IE 8 and earlier
   document.getElementById("id").addEventListener("click", myFunction);
} else if (document.attachEvent) {
   // For IE 8 and earlier versions
   document.getElementById("id").attachEvent("onclick", myFunction);
}
```

you could state something like

\$("#id").on("click", myFunction)





And do stuff like

```
$("#id").animate({ opacity: 0.5, height: "50%" }
$("#myform").validate(options);
$("div").on("swipe", function(){
    // do something
});
```



A lot of JavaScript libraries and frameworks exist

- # jQuery
- # AngularJS
- # ReactJS
- # KnockoutJS

•••





In order to build a website, you need knowledge in...

Marketing **SEO** Support **SEM** UI/UIX Design Photoshop Design Responsive HTML5 **JavaScript CSS** XMLClient-Side Code AngularJS Bootst/ap jQuery_ Cordova Browser DOM IE, Chrome, Firefox AJAX MobileDev Architecture Webservices Server-Side Code Java **ASP.NET** Python nodeJS Load Balancing Sockets Web Server Caching Security Apache IIS **Protocols** Oracle MySQL Databases MS SQL NoSQL Linux Storage Windows Server OS Routing **Devices** Tooling Management Git / SVN Documentation







jQuery

jQuery is

- (still) the most often used JavaScript library; MIT license
- jQuery Core offers a large set of helper methods for DOM navigation and manipulation
- Lots of plugins and extensions





jQuery

- Exists in 3 different versions, which are only loosely cross-compatible
 - V1.12.4
 - V2.2.4
 - V3.1.1
- Separate projects such as
 - jQuery UI
 - jQuery Mobile





Lets code...



Thank You!

Andre.Langer@informatik.tu-chemnitz.de VSR.Informatik.TU-Chemnitz.de

