

# Full Stack Web Development

WS2019 - BSA5 Ausgewählte Kapitel



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Smart Homes and Assistive Systems

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- 2 The World Wide Web**
- 3 Roles**
- 4 Stacks**
- 5 Toolchain**
  - 5.1 Node.js**
  - 5.2 Vue.js**
- 6 Warm Up**
- 7 Appendix**

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# Course Information

## Overview



*Embedded Systems (ES)*-style beamer template of  
UAS Technikum Wien [1].

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# Course Information

## Grading



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## Projects



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## Books



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# The World Wide Web



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# Roles

It takes a village

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# Stacks

## MEVN



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# Toolchain Playgrounds



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# Toolchain

## Editors



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# Toolchain IDEs



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# Toolchain

## Browser



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# Toolchain

## Node.js



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## Vue.js



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# Warm Up

## HTML



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Appendix

```
1 <!DOCTYPE html>
2 <!-- HTML Comment -->
3 <html>
4   <head></head>
5   <body class="main"></body>
6 </html>
```

Listing 1: HTML Document

# Warm Up

## CSS



```
1 /* Element selector */
2 body {
3     background-color: "yellow";
4 }
5
6 /* Class selector */
7 .main {
8     width: "100%";
9 }
10
11 .body:hover {
12     background-color: "#ccc";
13 }
```

Listing 2: CSS Document

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# Warm Up

## JavaScript

```
1  /**
2   * First example.
3   */
4
5  const body = document.querySelector("body");
6  const span = document.createElement("span");
7  span.innerText = "Hello World";
8  body.appendChild(span);
9
10 // Log to console
11 console.log("Done");
```

Listing 3: JavaScript Document



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# Listings I



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Acronyms

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# Acronyms I

- CSS** Cascading Stylesheets
- DOM** Document Object Model
- ES** Embedded Systems
- HTML** Hypertext Markup Language
- UAS** University of Applied Science
- WWW** World Wide Web



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Acronyms

References

# References I

- [1] E. A. Meyer and E. Weyl, *CSS: The Definitive Guide*, 4th ed. Sebastopol, CA: O'Reilly Media, Inc., 11 2007. [Online]. Available: <https://www.oreilly.com/library/view/css-the-definitive/9781449325053/>



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References