

Faculty	Electrical Engineering and Computer Science
Course Title	Advanced Web Development
Number of ECTS credits	6
Hours per week (SWS)	2 lecture + 2 laboratory + 1 supplementary exercise
Semester	Bachelor / Summer semester
Course objective	Ideate, design, build & deploy a web application based on Angular and NodeJS. Consider aspects such as UI/UX design, accessibility, usability, performance and code structure.
Prerequisites	Interest in web development. Previous experience in JavaScript (or other similar programming languages)
Recommended reading	See specific announcements
Teaching methods	Lecture, team work, lab work (practical exercises)
Assessment methods	Concept, design and project-oriented original development with accompanying active participation, written concepts and documentation
Language of instruction	English
Name of lecturer	Johannes Mändle
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Course content	<p>How to develop your own web application?</p> <p>From the first sketch to general availability for everyone through their browser. During this lecture, you will start to ideate about possible website ideas (if you don't have one already) and transform them into an appealing web application.</p> <p>To do this, approaches from ideation, design theory, tooling for web development, Angular and NodeJS will be learned and used to develop a fully running web application with high quality.</p> <p>The focus of this lecture will be design, UX & development of web apps.</p>