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| **Name** | **Programming Web Applications with HTML5** |
| Education | The course is offered as an elective both for students at the AP Computer Science (4th semester) and the BSC Web Development (7th semester) |
| Purpose | The aim of this course is to give the student insight in theory, principles, and practice of developing web applications with HTML5 |
| Language | English |
| Exam | AP Computer Science: Oral exam with synopsis, based on the synopsis you will work out in the final period of the semester  BSC Web Development: 30 min oral exam, based on a project |
| Objectives knowledge | The student has knowledge about:   1. General JavaScript programming conventions and common pitfalls 2. Popular JavaScript libraries and frameworks 3. Tools used for developing and deploying front-end assets 4. Practices and workflows used by front-end developers |
| Skills | The student can:   1. Create HTML5 web applications with JavaScript, HTML and CSS 2. Use automation tools during development of a web application 3. Work with remote data using JavaScript 4. Create a web application by using a JavaScript MVC framework |
| Competences | The student can:   1. Participate as a frontend developer in a team consisting of programmers and designers alike. 2. Plan, program and deploy a web application |