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| **front-end/javascript development**  **external Part** |
| **Markup module**   1. Web overview. HTTP 2. HTML. Syntax, basic character entities. HTML all(include HTML5) tags, attributes 3. CSS basic: syntax, properties, inheritance. CSS selectors 4. Basic layout. 5. Web pages markup |
| **javascript module**   1. Basic JS: scripts execution, syntax, code structure, variables, operators, cycles 2. Data Types 3. OOP principles 4. Functions: scoping, module, function types; Closure, context 5. Exceptions 6. DOM fundamentals 7. jQuery fundamentals |
| **Useful books and Links**   1. <https://www.w3.org/> 2. <http://www.w3schools.com/> 3. <http://htmlbook.ru/> 4. Head First HTML and CSS: A Learner's Guide to Creating Standards-Based Web Pages. Elisabeth Robson, Eric Freeman.   <https://www.amazon.com/Head-First-HTML-CSS-Standards-Based/dp/0596159900>   1. Head First JavaScript Programming: A Brain-Friendly Guide. Eric T. Freeman, Elisabeth Robson.   <https://www.amazon.com/Head-First-JavaScript-Programming-Brain-Friendly/dp/144934013X/ref=pd_bxgy_14_img_2?_encoding=UTF8&pd_rd_i=144934013X&pd_rd_r=RNBSTQNDV22HC24VCKJM&pd_rd_w=sOcVF&pd_rd_wg=5PkBW&psc=1&refRID=RNBSTQNDV22HC24VCKJM>  **Useful books and Links for advanced study**   1. CSS Cookbook. Christopher Schmitt.   <https://www.amazon.com/CSS-Cookbook-3rd-Animal-Guide/dp/059615593X/ref=pd_sim_14_6?_encoding=UTF8&pd_rd_i=059615593X&pd_rd_r=E18NJM8AAV572CR73P8A&pd_rd_w=yLm3Y&pd_rd_wg=iQRsH&psc=1&refRID=E18NJM8AAV572CR73P8A>   1. CSS Pocket Reference. Eric A. Meyer.   <https://www.amazon.com/CSS-Pocket-Reference-Visual-Presentation/dp/1449399037/ref=pd_cp_14_1?_encoding=UTF8&pd_rd_i=1449399037&pd_rd_r=3FR1G1A2AEZJZMJSNHG3&pd_rd_w=rmxIo&pd_rd_wg=wvs1D&psc=1&refRID=3FR1G1A2AEZJZMJSNHG3>   1. HTML & XHTML: The Definitive Guide. Chuck Musciano, Bill Kennedy.   <https://www.amazon.com/HTML-XHTML-Definitive-Guide-6th/dp/0596527322/ref=pd_sim_14_2?_encoding=UTF8&pd_rd_i=0596527322&pd_rd_r=E18NJM8AAV572CR73P8A&pd_rd_w=yLm3Y&pd_rd_wg=iQRsH&psc=1&refRID=E18NJM8AAV572CR73P8A>   1. JavaScript: The Definitive Guide. David Flanagan.   <https://www.amazon.com/JavaScript-Definitive-Guide-Activate-Guides/dp/0596805527/ref=pd_sim_14_1?_encoding=UTF8&pd_rd_i=0596805527&pd_rd_r=E18NJM8AAV572CR73P8A&pd_rd_w=yLm3Y&pd_rd_wg=iQRsH&psc=1&refRID=E18NJM8AAV572CR73P8A>   1. Professional JavaScript for Web Developers. Nicholas C. Zakas.   <https://www.amazon.com/Professional-JavaScript-Developers-Nicholas-Zakas/dp/1118026691/ref=pd_sim_14_14?_encoding=UTF8&pd_rd_i=1118026691&pd_rd_r=DN546JJ76MZC9T9MCJV0&pd_rd_w=o5hb0&pd_rd_wg=HF8eg&psc=1&refRID=DN546JJ76MZC9T9MCJV0>   1. Secrets of the JavaScript Ninja. John Resig, Bear Bibeault, Josip Maras.   <https://www.amazon.com/Secrets-JavaScript-Ninja-John-Resig/dp/1617292850/ref=pd_sim_14_7?_encoding=UTF8&pd_rd_i=1617292850&pd_rd_r=DN546JJ76MZC9T9MCJV0&pd_rd_w=o5hb0&pd_rd_wg=HF8eg&psc=1&refRID=DN546JJ76MZC9T9MCJV0> |