

Web Fundamentals (HTML5 and CSS3)

Course Overview



SoftUni Team
Technical Trainers
Software University
<http://softuni.bg>



HTML & CSS

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**Front-End Development
@ SoftUni**
3 Months Web Front-End Training



The Trainers Team



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Have a Question?

sli.do

#front-end

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Front-End Development @ SoftUni

3 Months Web Front-End Training

Front-End Development: Module Goals

- 3 months intensive front-end
 - 3 times weekly, lots of live coding and exercises
- Part I – Web Fundamentals (HTML5 + CSS3)
 - HTML, document structure, CSS, selectors, rules, presentation and positioning, landing pages, forms, responsive design, transitions, animations, practical exam
- Part II – JavaScript for Front-End
 - Bootstrap, CSS Preprocessors, Arrays, Objects, Maps, Sets, JSON, JQuery, DOM, Events, Ajax, Requests, HTTP, practical exam

Front-End Development Module – Timeline



21-May-2018

2-July-2018

12-August-2018

Web Fundamentals (HTML & CSS)

Lessons + exercises + exam

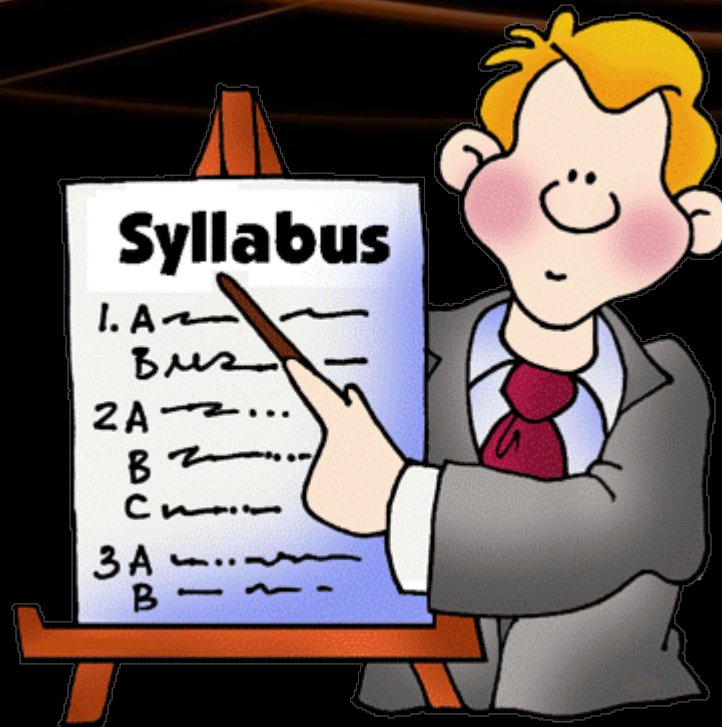
- 6 weeks * 3 times / week
- 6 credits
- Start: 21-May-2018
- Final exam: 1-July-2018

JavaScript for Front-End

Lessons + exercises + exam

- 5 weeks * 3 times / week
- 6 credits
- Start: 2-July-2018
- Final Exam: 12-August-2018

Front-End Development Retake Exams



Web Fundamentals (HTML5 + CSS3)

Course Objectives & Program

Web Fundamentals – Course Topics

1. **HTML and CSS Overview** – HTML basic tags & CSS basic selectors
2. **HTML Structure** – Structural tags, Semantic tags & others
3. **Introduction to CSS** – Basic CSS styling, Rules, Selectors, Declaration
4. **CSS in Depth** – Types, Values, Ranges
5. **CSS Formatting and Positioning** - Styling text borders, Backgrounds, Size, Margins, Positioning etc.



Web Fundamentals – Course Topics (2)

6. Creating Landing Pages
7. HTML Forms and Styling – HTML controls, HTML forms
8. Responsive Design – Media queries, Flex-box, Flexible images, fonts, tables, menus etc.
9. Transitions, Animations & CSS 4 Grids – HTML5 transitions, HTML5 animations, CSS 4 Grids
10. Exam Preparations
11. Practical Exam





The Trainers Team

Trainers Team

■ Antonia Atanasova

- Experience in HTML5, CSS3, JS, Bootstrap, C#, CMS Systems
- Studies Web Development @ SoftUni
- Studies Business Informatics @ UNWE
- Technical Trainer in Software University
- Digital Marketing Freelancer



Trainers Team

■ Yuliyana Ivanov

- Experience in HTML5, CSS3, JS, C#, Bootstrap, MongoDB
- Student with excellent grades at Software University
- Experience : Personal projects with JavaScript, Owned a virtual items trading website





Web Fundamentals: More Details

Duration, Languages, Technologies

Training Duration – Web Fundamentals

- Lessons: ~ **60** hours (onsite + YouTube videos)
- Practical exercises (in class): ~ **70** hours
- Homework: ~ **40** hours
- Exam preparation: **8** hours
- Exam: **6** hours
- Schedule: 21 May – 1 July 2018
- Exam date: **1 July 2018**



Why HTML & CSS?

- HTML & CSS – standard for Web UI
 - Web-based applications are very popular
 - Runs on **any device** with a web browser
 - HTML5 is currently the **#1 job trend** based on the fastest growing keywords found in online job postings
 - HTML5 takes bigger chunk of the **mobile application** market
 - Every **IT professional** should know HTML & CSS



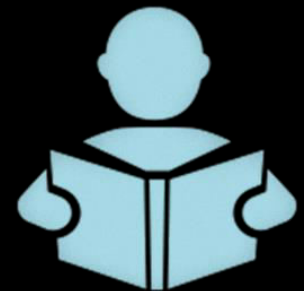
Why English?

- Why the slides are in English?
 - **English** is the native language of the software engineers
 - Specific terminology should be in English
 - Translations are inaccurate and funny
- Just learn English!
 - No excuses



Learn to Search in Internet & Find Solutions

- The course assignments require to **search in Internet**
 - This is an important part of the learning process
 - Some exercises intentionally have no hints
- Learn to find solutions!
 - Software development includes **everyday searching and learning**
 - No excuses, just **learn to study!**
 - Developers learn new technologies, tools, languages every day!





Evaluation

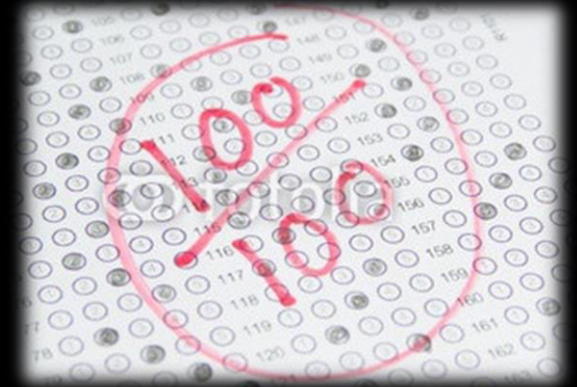
Scoring System for the Course

- Mandatory:
 - Final exam – 90%
 - Homework submissions – 10%
- Bonuses:
 - Presence in class – 5% bonus
 - Forum activity – bonus up to 5%



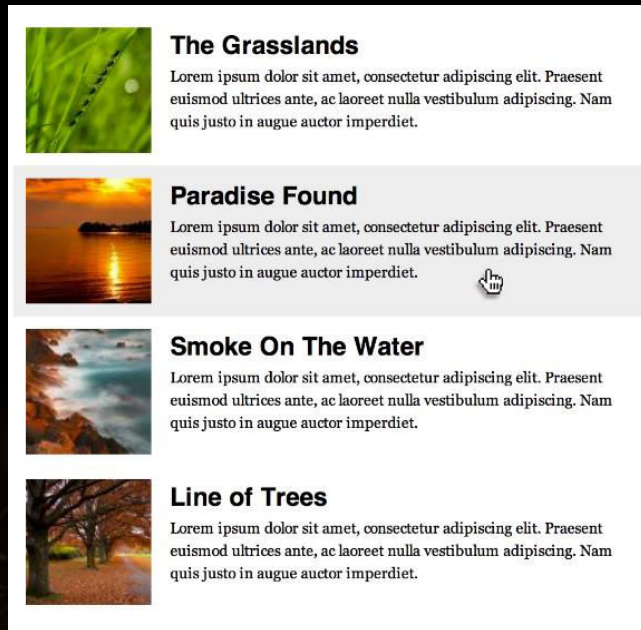
Web Fundamentals Exam

- Practical HTML & CSS exam
- 4 practical problems for 6 hours
 1. Slice a **screenshot** to HTML + CSS
 2. Implement an **HTML form**
(from screenshot to HTML + CSS)
 3. Create a simple **web page** from screenshot
(header + menu + sidebar + footer)
 4. Make a website **responsive**



Sample Exam Problem

- You are given a **screenshot** + set of **images** + **texts**
 - You should create the **HTML & CSS** to implement the page at the screenshot



Homework Assignments

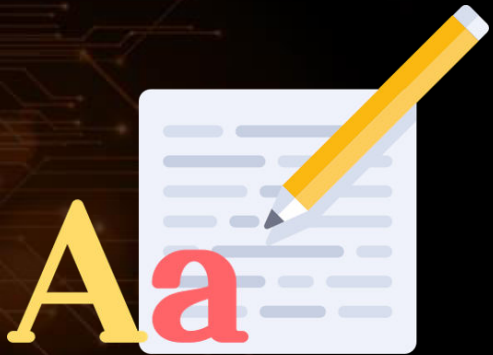
- Doing your homework is very **important!**
 - HTML and CSS can only be learned through a lot of **practice!**
 - You should write code **every day!**
- Each lesson is followed by a few **exercises**
 - Try to solve them in class
 - The rest are your homework
- **Homework** assignments are **due in 6 days** after each lesson
- Submission are accepted through: judge.softuni.bg





Resources

What We Need Additionally?



Web Fundamentals Course: Website, Forum and FB Group

- Official website:

<https://softuni.bg/courses/web-fundamentals>



- Official discussion forum:

<https://softuni.bg/forum/categories/68/web-basics>



- Official Facebook group:

<https://www.facebook.com/groups/SoftUniWebFundamentalsHTML5May2018/>



The Front-End Development Slides and Videos

- All lecture slides, videos, homework assignments, projects and other resources are open content, available for free
 - Visit the course [website](#) to access the course resources



HTML & CSS Tutorials

- W3School HTML Tutorial
 - <http://www.w3schools.com/html/>
- Learn to Code HTML & CSS
 - <http://learn.shayhowe.com/html-css/>
- CSS Tricks
 - <http://css-tricks.com>
- Codecademy HTML & CSS Interactive Tutorials
 - <https://www.codecademy.com/learn/learn-html-css>



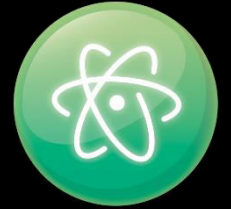
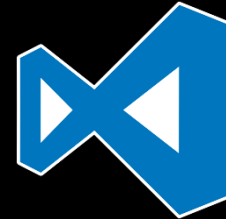
Software University Learning System (SULS)

- Software University Learning System (SULS)
 - www.softuni.bg
 - Important resource for students
 - Homework submissions
 - Homework check-up
 - Exams and results
 - Reports about your progress



Recommended Software

- You will need a good text editor, e.g.
 - Notepad++
- You may try many HTML authoring tools like:
 - WebStorm
 - Visual Studio Code
 - Sublime Text / Atom / Brackets
 - Microsoft Visual Studio
 - Netbeans



Summary

- The "Web Fundamentals" course teaches
 - The first steps in HTML & CSS
- Training curriculum
 - HTML, tags, tables, forms, semantic HTML, CSS, styles, positioning, layout, responsive
- Practical exam
 - 4 practical problems for 6 hours
- Learning resources
 - Slides, videos, software, books, forum

Summary



Web Fundamentals – Course Introduction



Questions?



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