

WEB PROGRAMMING



Nikolay Chochev

- Technical Trainers
- Chochev.EU Team
- <http://chochev.eu/web/>

Course Introduction

```
4 <title>CSS Styling</title>
5 <link href="styles/styles.css" rel="stylesheet" />
6 </head>
7 <body>

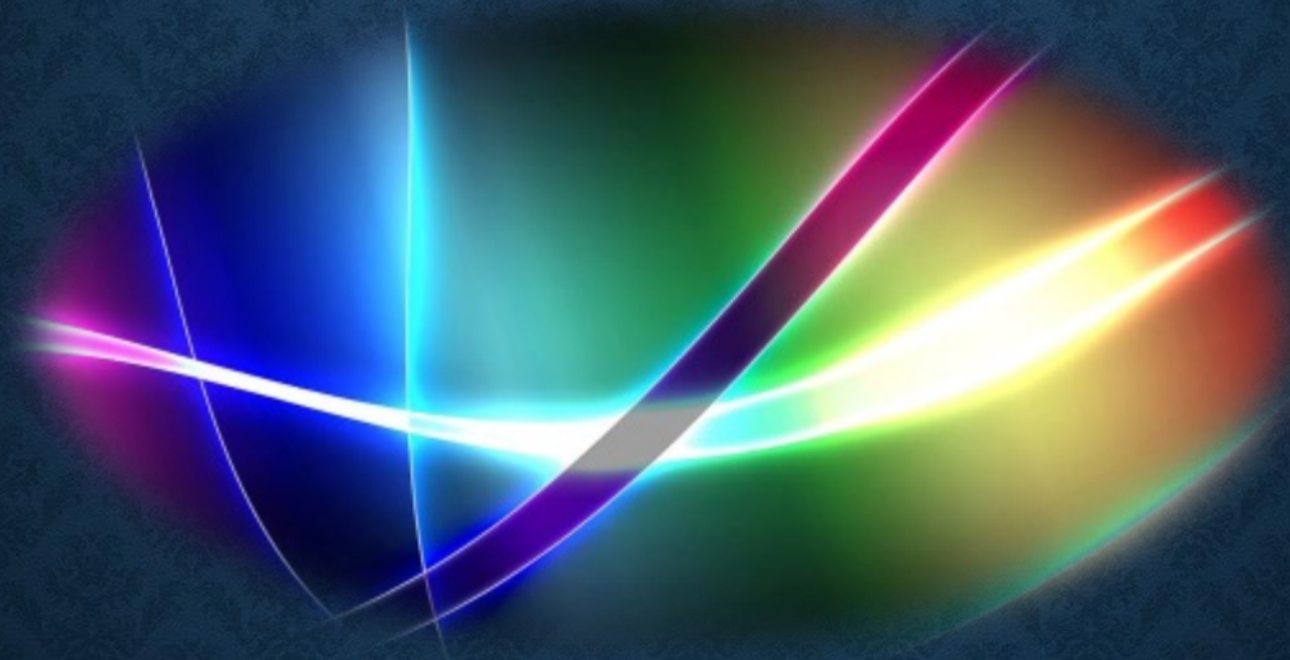
• main.css: 11 New Rule

11 body {
12     margin: 0 auto;
13     padding: 2em 2em 4em;
```

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1. Course Objectives
2. Course Program
3. Trainers Team
4. Examination
5. Learning Resources





WEB PROGRAMMING

- Course Objectives & Program

WEB PROGRAMMING – COURSE TOPICS

1. Web Technologies Basics
Web Development Tools
HTML Fundamentals



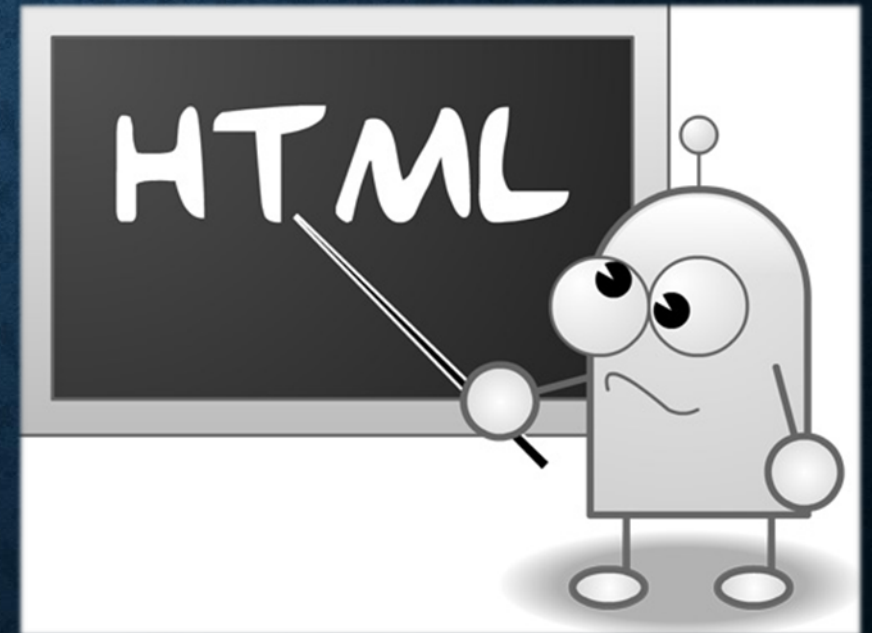
2. HTML Tables

3. CSS Overview

4. Semantic HTML,
Frames, Other Tags

5. Practice Exam

6. HTML Forms



WEB PROGRAMMING – COURSE TOPICS (2)

- 6. JavaScript Basics
- 7. Forms Validation
- 8. Exercises
- 9. Workshop and exercises
- 10. Practical Exam



THE TRAINERS TEAM

TRAINERS TEAM

• **Nikolay Chochev @ Timag.EU**

- ◆ Web Developer
- ◆ Contestant in the IT and Informatics competitions
- ◆ Building custom themes, plugins, based on the WP platform;
- ◆ JavaScript/PHP/C# background
- ◆ Web site: <http://chochev.eu>
- ◆ Email: chochev@uni-plovdiv.bg





WEB PROGRAMMING: MORE DETAILS

- Duration, Languages, Technologies

TRAINING DURATION – WEB PROGRAMMING

- Lectures: ~ 25 hours (onsite + YouTube videos)
- Practical exercises (in class): ~ 15 hours
- Homework: ~ 30-50 hours
- Exam preparation: 8 hours
- Project Defence...



WHY HTML & CSS?

- **HTML & CSS** – standard for Web UI
 - Web-based application 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 will get better and better and take 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
ENGLISH





☒ Excellent
☐ Very good
☐ Good
☐ Average
☐ Poor

WEB PROGRAMMING

- Evaluation Criteria

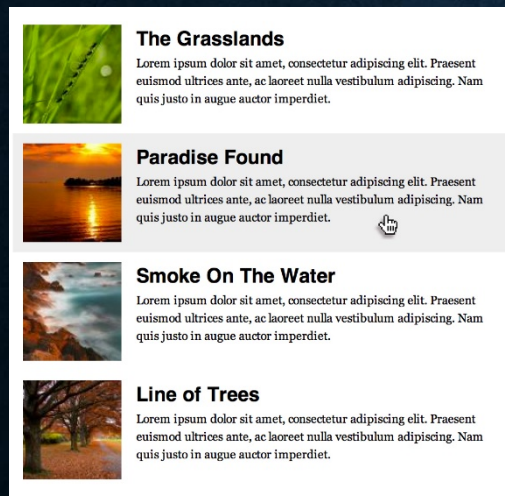
SCORING SYSTEM FOR THE “WEB PROGRAMMING”

- Project and defence– 80%
- Homework – 20%



WEB PROGRAMMING PROJECT

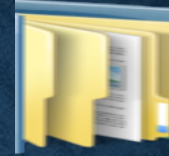
- Practical HTML & CSS exam
 - You will be given a set of images
 - You should create the HTML & CSS
- Sample exam problem:



HOMEWORK ASSIGNMENTS

- Doing your homework is very **important!**
 - Programming can only be learned through a lot of practice!
 - You should write code every day!
- Each lecture is followed by a few exercises
 - Try to solve them in class
 - The rest are your homework
- Homework assignments are **due in 2 weeks** after each lecture





RESOURCES

What We Need Additionally?



WIKIPEDIA
The Free Encyclopedia



CSS

<html>
<head>
<title>
<st

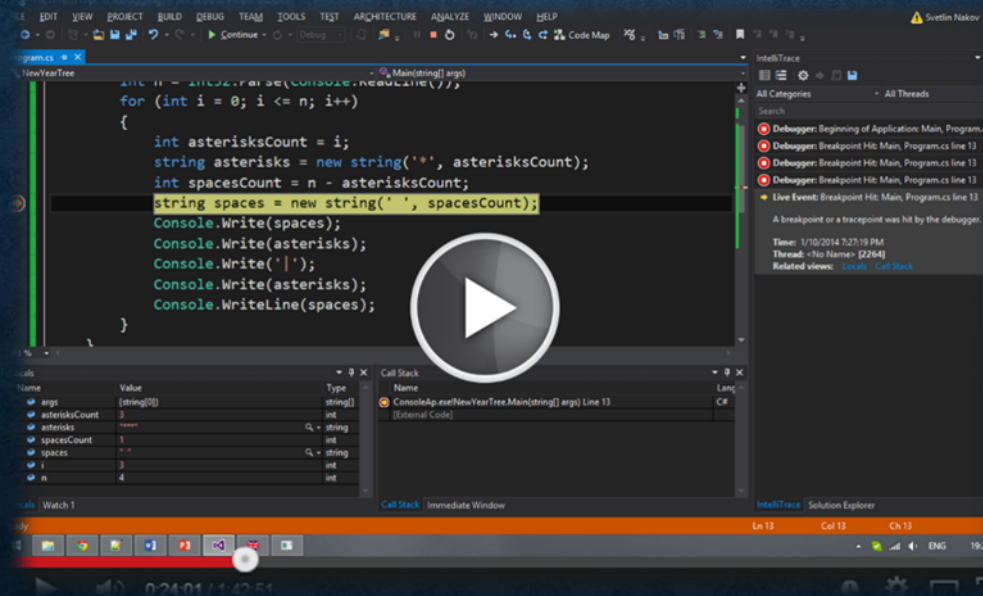
COURSE WEB SITE FOR DOWNLOADS

<https://chochev.eu/web/>



SLIDES AND VIDEOS

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



HTML & CSS TUTORIALS

- HTML & CSS @ Codecademy

- <http://www.codecademy.com/tracks/web>

- W3School HTML Tutorial

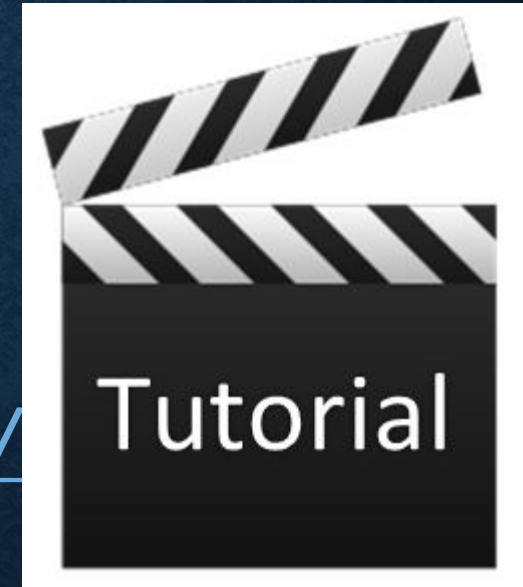
- <http://www.w3schools.com/html/>

- Learn to Code HTML & CSS

- <http://learn.shayhowe.com/html-css/>

- CSS Tricks

- <http://css-tricks.com>



RECOMMENDED SOFTWARE

- You will need a text editor, e.g.
 - [Notepad++](#)
- You may try many HTML authoring tools like:
 - [Sublime Text](#)
 - [Brackets](#)
 - [Aptana Studio](#)
 - [Microsoft Visual Studio](#)
 - [Netbeans](#)
 - [Webstorm](#)



SUMMARY

- The "Web Fundamentals" course teaches
 - The [first steps in HTML & CSS](#)
- Training program
 - HTML, Tags, Tables, Forms, Semantic HTML, CSS, Styles, Positioning, Layout, Responsive
- Practical exam
 - Form image to HTML & CSS + score system
- Learning resources
 - Lectures, videos, software, books, forum



Questions???