



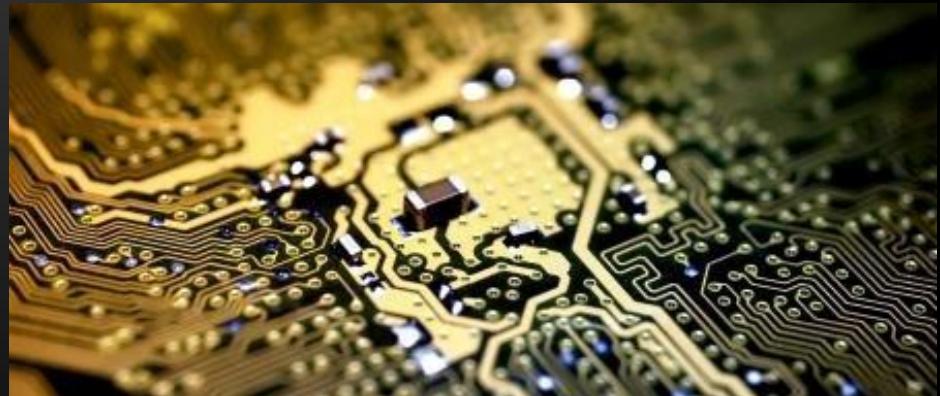
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# Web Front-end Track Introduction

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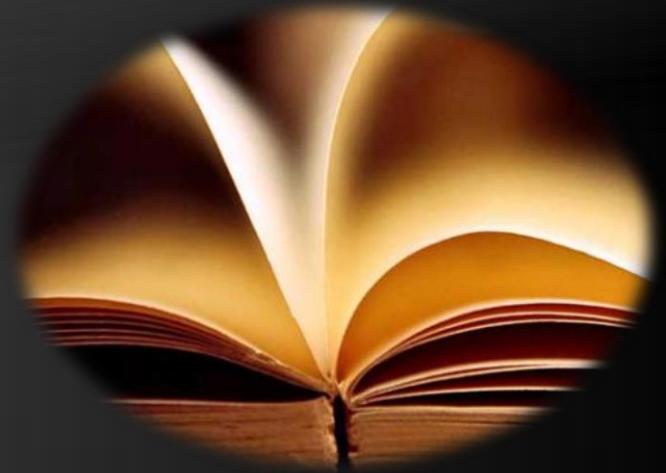
## Track Overview

**Web Front-end Track**  
Telerik Software Academy  
<http://academy.telerik.com>



# Table of Contents

- ◆ Track Objectives & Program
  - ◆ Introduction
  - ◆ Courses program
- ◆ Trainers Team
- ◆ Recommended Books and Resources





# Web Front-end Track: Objectives & Program

What Topics Shall We Cover?

- ◆ Web front-end track objectives
  - ◆ Provide concepts, technologies and skills for web front-end development
    - ◆ HTML, CSS and JavaScript
    - ◆ Teach the basics of creating user interface
    - ◆ Ending with creating of web applications entirely with JavaScript, HTML and CSS
  - ◆ More info:
    - ◆ [telerikacademy.com/.../front-end-developer-2015](http://telerikacademy.com/.../front-end-developer-2015)

# Web Front-end Track

## Introduction

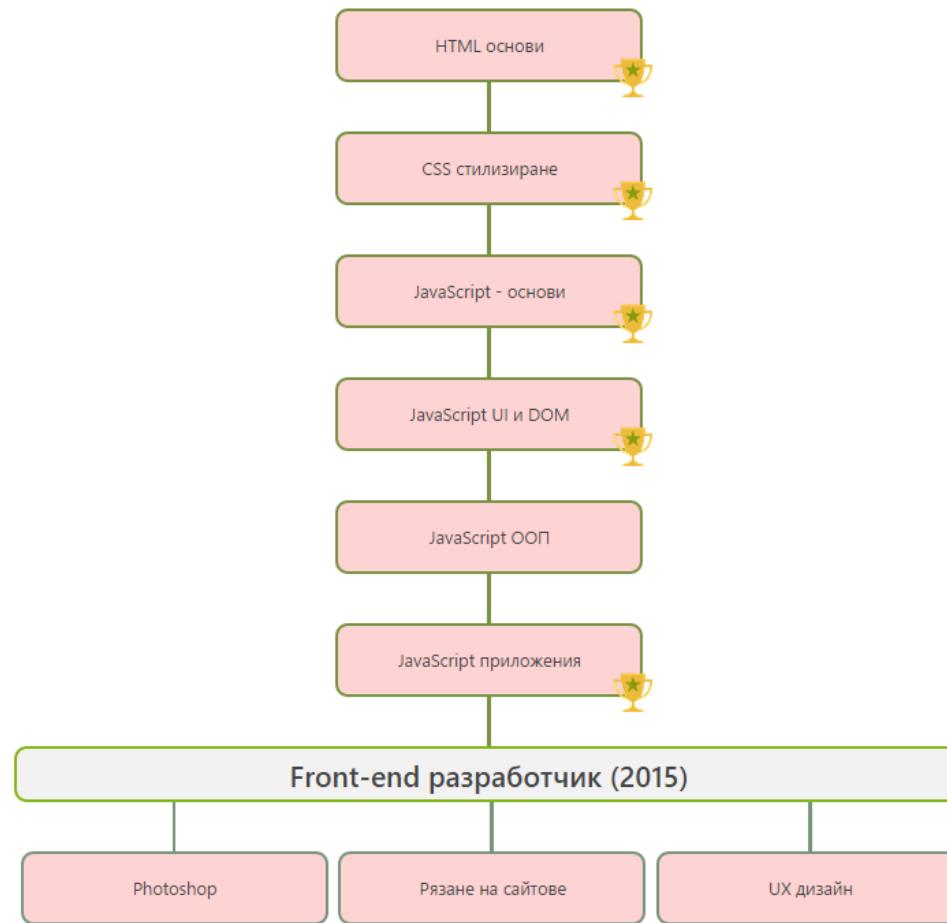


# Web Front-end Track Introduction

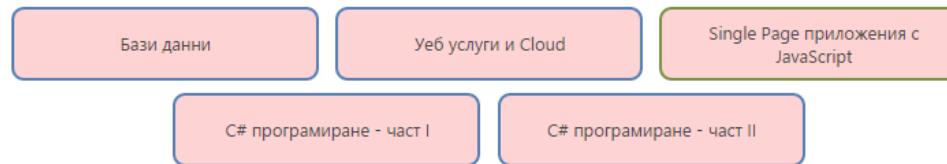
- ◆ The web front-end track aims at covering the needed skills for development of the front-end of web applications
  - ◆ No C#, Java or other programming language is needed
  - ◆ JavaScript will be covered during the courses
  - ◆ New students will join the Academy
    - ◆ With the option to join the Front-end track
      - ◆ And only the front-end track

# Web Front-end Courses

## Задължителни дисциплини

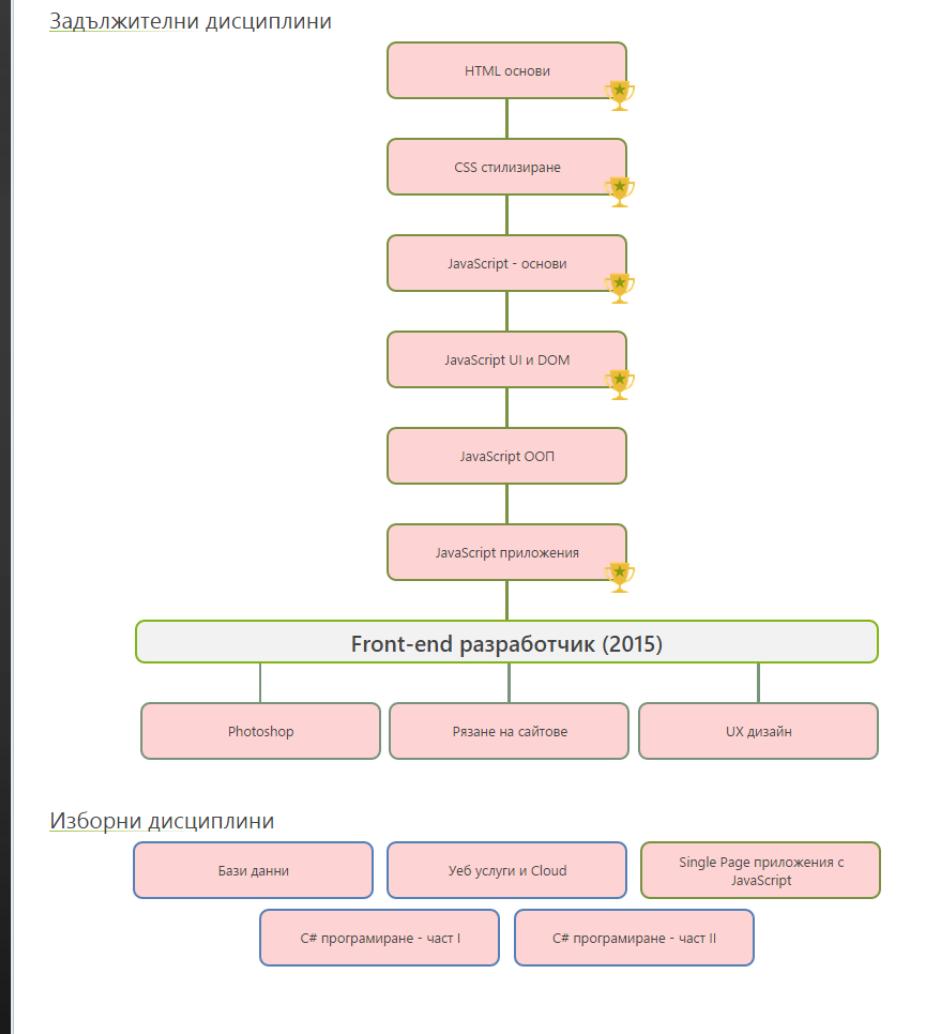


## Изборни дисциплини

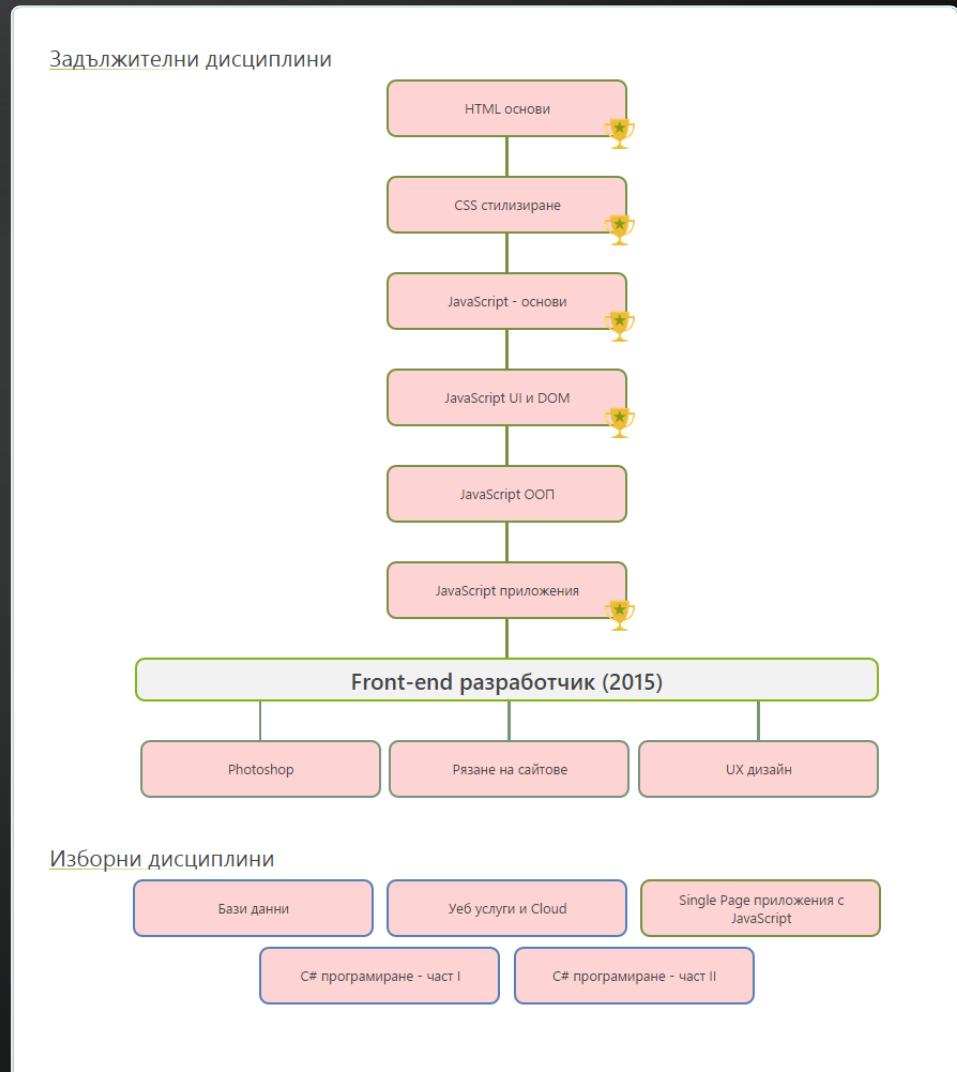


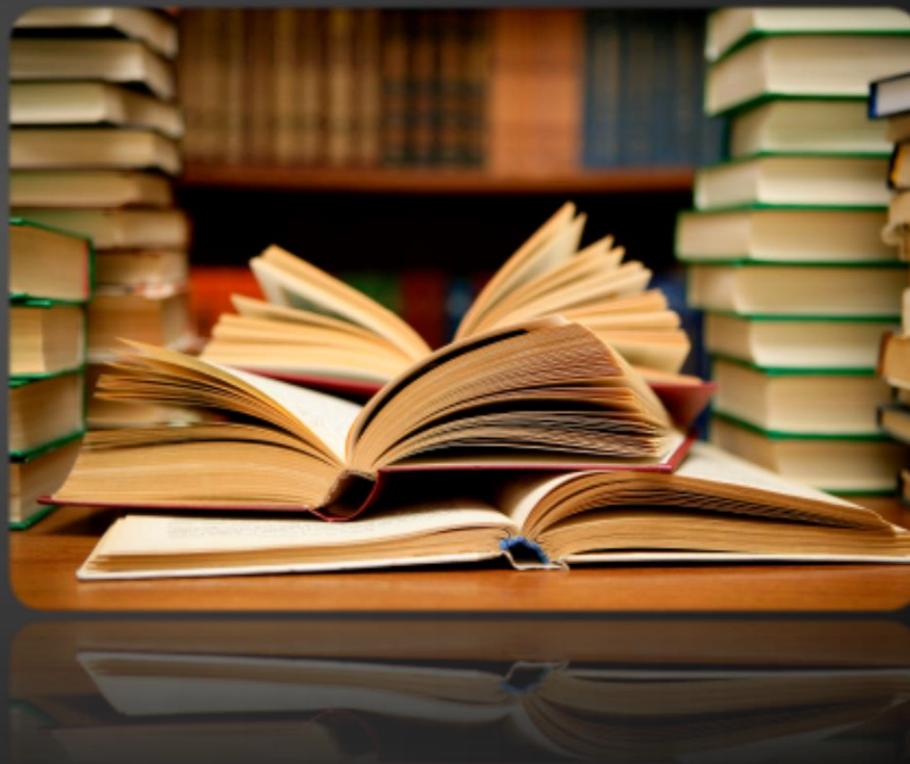
# Web Front-end Courses

- ◆ The admission for the track will be after JS Fundamentals



- ◆ The admission for the track will be **after JS Fundamentals**
- ◆ Students in the front-end track **cannot apply** for Mobile, Web or QA





# Track Curriculum

1. Web Design Concepts
2. Tools for HTML, CSS and JS
3. Introduction to HTML
4. HTML Tables
5. HTML Forms
6. Semantic HTML
7. HTML Basics Test

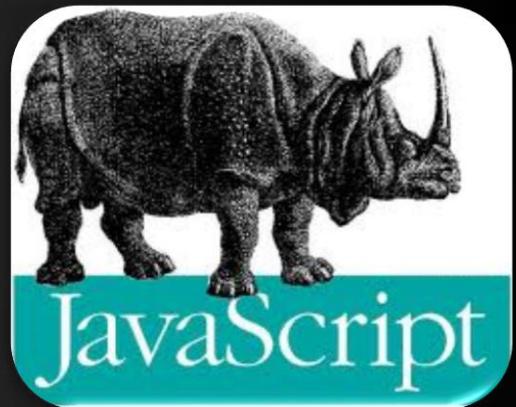


1. CSS Basics
2. CSS Presentation
3. CSS Positioning
4. CSS Preprocessors
5. Exam Preparation
6. CSS Styling Exam



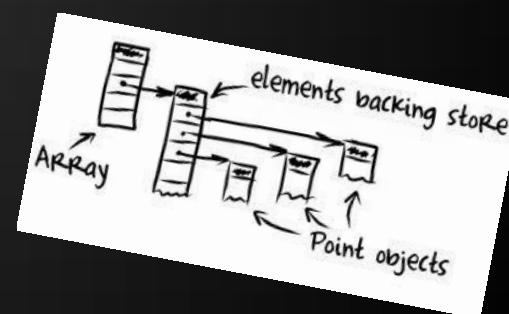
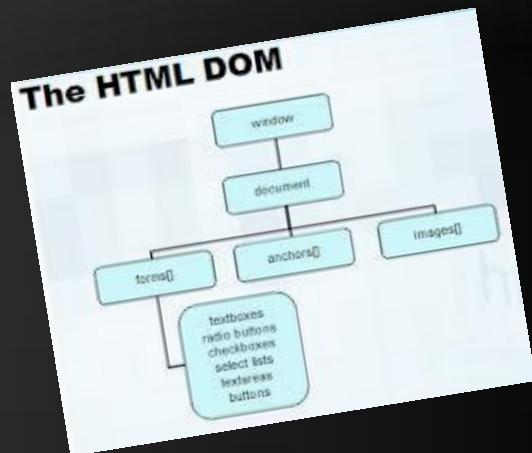
# JavaScript Fundamentals

1. Intro to JavaScript development
2. Data Types and Variables
3. Operators and Expressions
4. Conditional Statements
5. Loops and Arrays
6. Functions
7. Exam Preparation
8. JavaScript Practical Exam



```
nick@nick: ~
function() {-
  el.getElementsByTagName('input');
  if = inputs.length;
  selected = false; -
```

1. Document Object Model
2. DOM Manipulation
3. DOM Operations
4. JavaScript Events
5. jQuery Overview
6. Templates
7. Canvas API
8. SVG API
9. Exam Preparation
10. JavaScript Practical Exam





1. Using Objects
2. Advanced Functions
3. JavaScript OOP
4. Inheritance
5. JavaScript Patterns
6. Exceptions
7. Good Practices
8. Exam Preparation
9. JavaScript Practical Exam



# JavaScript Applications

1. Web Storages
2. Promises and Async Programming
3. HTTP and AJAX
4. Consuming Remote Data
5. Third-party APIs – Facebook, Google, etc...
6. JavaScript Design Patterns and SPA
7. Business Clouds
8. Exam Preparation
9. JavaScript Practical Exam



# Photoshop for Front-ends

- ◆ A brief course, covering the fundamentals skills needed for:
  - ◆ Slicing a PSD design
  - ◆ Adapting PSD design
  - ◆ Using Photoshop for the needs of Front-end development
- ◆ Practical Exam

- ◆ Responsive Design
- ◆ Twitter Bootstrap
- ◆ Support of older browsers
- ◆ Importing Facebook, Google in our web sites
- ◆ Slice and Dice
- ◆ Cookies, Caching, Sprites, Minifying
- ◆ etc...
- ◆ Practical Exam

- ◆ A brief course, covering the fundamentals of UX design
  - ◆ Introduction user-experience
  - ◆ User interface fundamentals
  - ◆ Creating usable wireframes
  - ◆ Fundamentals of graphical design
  - ◆ Creating a design for a web application
  - ◆ Examination

# Trainers Team



## ◆ Nikolay Kostov

- ◆ Manager Software Engineering  
@ Telerik (Progress)
- ◆ Microsoft Certified Trainer (MCT)
- ◆ Champion from Telerik Academy
- ◆ IT and Informatics competitions winner
- ◆ Student in Sofia University (Computer Science)
- ◆ Email: [@telerik.com](mailto:nikolay.kostov)
- ◆ Blog: <http://nikolay.it>
- ◆ GitHub: <https://github.com/NikolayIT>



## ◆ Doncho Minkov

- ◆ Senior Technical Trainer @ Telerik Software Academy
- ◆ Contestant in the Informatics competitions
- ◆ Champion from Telerik Software Academy
- ◆ Experience with Web and Mobile apps
- ◆ Proficient with JavaScript and .NET
- ◆ Email: [doncho.minkov \[at\] telerik.com](mailto:doncho.minkov@[at]telerik.com)
- ◆ Blog: <http://minkov.it>



## ◆ Ivaylo Kenov

- Technical Trainer @ Telerik Academy
- Mathematical competitions contestant
- Champion from Telerik Software Academy
- E-mail: ivaylo.kenov [at] telerik.com
- Champion in OOP and DSA
- Blog: <http://ivaylo.bgcoder.com/>
- GitHub: <https://github.com/ivaylokenov>



## ◆ Evlogi Hristov

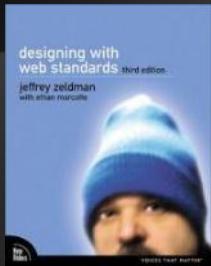
- ◆ Technical Trainer  
@ Telerik Software Academy
- ◆ Graduate from the fourth season  
of Telerik Software Academy
- ◆ Ex-developer, Sharepoint
- ◆ E-mail: evlogi.hristov [at] telerik.com



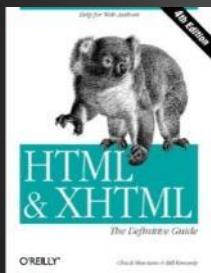


# Recommended Books

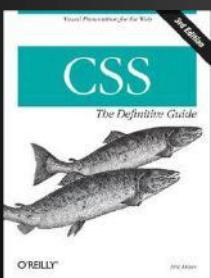
# Recommended Books



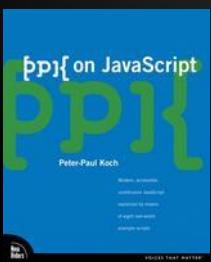
**"Designing with Web Standards",**  
**Jeffrey Zeldman, New Riders Press, 2005,**  
**ISBN 9780321616951**



**"HTML & XHTML: The Definitive Guide, Sixth Edition",**  
**Chuck Musciano, Bill Kennedy,**  
**O'Reilly, 2006, ISBN 9780596527327**



**"CSS: The Definitive Guide, Third Edition",**  
**Eric Meyer, O'Reilly, 2006, ISBN 9780596527334**



**"PPK on JavaScript",**  
**Peter Paul-Koch, New**  
**Riders Press, 2006, ISBN 9780321423306**

# Track Web Site & Forums

- ◆ Register for the "Telerik Academy Forums":

<http://telerikacademy.com/Forum/Category/2/front-end-development>

- ◆ Discuss the course exercises with your colleagues
  - ◆ Find solutions for the exercises
  - ◆ Share source code / discuss ideas
- ◆ The HTML Basics official web site:

<http://academy.telerik.com/student-courses/web-design-and-ui/about>



# Telerik Integrated Learning System (TILS)

- ◆ The Telerik Integrated Learning System (TILS)
  - ◆ [www.telerikacademy.com](http://www.telerikacademy.com)
  - ◆ Important resource for all students
  - ◆ Homework submissions
  - ◆ Homework peer reviews
  - ◆ Presence cards with barcode
  - ◆ Reports about your results

The screenshot shows a web-based learning platform with a dark header bar containing the Telerik Academy logo and navigation links. Below the header, a yellow banner displays a warning message about the course deadline. The main content area features a course card for "Курс 'C# програмриране - част II'". The card includes the course title, a brief description, and a progress bar indicating completion status. On the right side of the card, there's a sidebar with a "Материали" (Materials) section listing various resources and their download links. At the bottom of the page, there's a footer bar with several links.

[telerikacademy.com/.../front-end-developer-2015](http://telerikacademy.com/.../front-end-developer-2015)

# Required Software

- ◆ Software needed for this course:
  - ◆ Sublime Text 2/3
  - ◆ Notepad++
  - ◆ Jetbrains WebStorm
  - ◆ Aptana Studio
  - ◆ Atom
  - ◆ Microsoft Visual Studio 2013
    - ◆ Visual Studio Community 2013 (free version of VS 2013)
  - ◆ Any text editor that is convenient with you

# Questions?

# Free Trainings @ Telerik Academy

- ◆ "Web Design with HTML5, CSS3 and JavaScript" course @ Telerik Academy



- ◆ [html5course.telerik.com](http://html5course.telerik.com)

- ◆ Telerik Software Academy

- ◆ [academy.telerik.com](http://academy.telerik.com)

Telerik Academy

- ◆ Telerik Academy @ Facebook

- ◆ [facebook.com/TelerikAcademy](https://www.facebook.com/TelerikAcademy)



- ◆ Telerik Software Academy Forums

- ◆ [forums.academy.telerik.com](http://forums.academy.telerik.com)

