Programming in HTML5 with JavaScript and CSS3

HIQ, Lisbon, 2015 June

Microsoft

Trainer Presentation

- **Tiago Costa**

- MCT - Microsoft Certified Trainer – since 2006
- MCT Regional Lead - Portugal
- IT Consultant, Developer, Author and Speaker
- Work in Portugal and across Europe
- Working in IT since 1998

- Follow me @tiagocostapt

About This Course

- Audience
- Track Prerequisites
- Track Objectives
- What You Can Expect

Scheduling

Course	Dates
Programming in HTML5 with JavaScript and CSS3	16, 18, 23, 25, 30 June 2, 7, 9, 14, 16 July

- Class hours: 19h - 22h
- 10 minutes breaks
- Mobile Phones

Students Presentation

- Name
- Company affiliation
- Title/function
- Job responsibility
- HTML/HTML5 Experience
- CSS Experience
- JavaScript Experience
- Development experience in .NET Framework, ASP .NET, and Visual Studio 2013
- Your expectations for the course

OneDrive Share

Designed to optimize your classroom learning experience.
And support you back on the job.

Course materials

OneDrive

- Organized by Modules
- Includes Labs
- Download at: http://1drv.ms/1TqZy9B

Course Outline

- Module 1: Overview of HTML and CSS

- Module 2: Creating and Styling HTML Pages

- Module 3: Introduction to JavaScript

- Module 4: Creating Forms to Collect and Validate User Input

- Module 5: Communicating with a Remote Server

- Module 6: Styling HTML5 by Using CSS3

- Module 7: Creating Objects and Methods by Using JavaScript

- Module 8: Creating Interactive Pages by Using HTML5 APIs

Course Outline *(continued)*

- Module 9: Adding Offline Support to Web Applications

- Module 10: Implementing an Adaptive User Interface

- Module 11: Creating Advanced Graphics

- Module 12: Animating the User Interface

- Module 13: Implementing Real-time Communication by Using Web Sockets

- Module 14: Performing Background Processing by Using Web Workers

Microsoft Certification Program

Get trained. Get certified.
Get ahead.

MCSD: Web Applications
Solutions Developer

Step	Course	Exam
1	Programming in HTML5 with JavaScript and CSS3	70-480: Programming in HTML5 with JavaScript and CSS3
2	Developing ASP.NET MVC 4 Web Applications	70-486: Developing ASP.NET MVC 4 Web Applications
3	Developing Windows Azure and Web Services	70-487: Developing Windows Azure and Web Services

Microsoft

Preparing for the Labs

Your lab activities will be centered around a fictitious company called ContosoConf, the organizers of an annual conference for web developers and designers.

By working through the labs, you will learn how to create an interactive and scalable web application by using JavaScript together with the new features in HTML5 and CSS3.

To complete the labs, you will work in a virtual machine (VM) environment.

Virtual Machine Environment

Virtual Machine Name:	Use as:
HIQ – HTML5	Windows 8.1 development computer