



HTML5 in A Day Training

Course Overview ([view on our website](#))

This course covers the essentials of working with HTML5 and CSS to create robust web pages for the new device driven internet. In this course students will explore the how to mark up content using HTML and how to improve that content markup using the new tags and features found in HTML5.

Course Objectives

Upon completion of this course, you should be able to:

- Describe the HTML5 document structure
- Identify essential <head> elements
- Use text based tags and apply basic styles to text
- Use images, video, audio, and google fonts in your documents
- Understand linking and how to identify and fix broken links
- Describe HTML5 semantic markup for tables
- Work with HTML5 semantic markup to create layers
- Create an HTML Form and Use HTML5 form validation
- Identify key capabilities of HTML5 and JavaScript API's

Course Duration

One day (6 hours.)

Course Delivery

DI will deliver this course completely online. We will use the GoToTraining web interface. This format is very similar to a webinar session. Delivery dates will be either on Sept. 12 2013 or Sept 21 2013 depending on the day chosen during registration.

Course Outline

1. Creating a Proper HTML Document Structure

This section will cover the basics of creating a HTML document. We will look closely at the <head> tag and the common tags that fall under it including <meta> tags. We will explore the roles of HTML, CSS, and JavaScript and learn how to include these assets in our documents. We will take a look at HTML's text tags including heading tags, paragraph tags, list tags, and special text formatting tags. Finally, we will cover basic selection and text formatting using CSS.

2. Linking to external Files

In this section we will cover how to include resources such as images, audio, or video in your page. We will take a look at the various ways to link web pages together and we will explore how to fix broken links. We will also take a quick look at how to include Google Fonts in your code.

3. Migrating Tables to HTML5

In this section we will discuss the history of tables and explore how they have been used to develop web pages. We will define best practices for using markup tables, and we will code a table with basic table syntax. We will finally improve our table with new HTML5 semantic tags and discuss how such improvements can result in better search engine optimization.

4. Layout, Layers, and Semantic Markup

In this section we will look at layer tags such as the <div>, <iframe>, and tag. We will see how we can use these tags to section off certain parts of our document for layout and styles. Finally we will take a look at HTML5 semantic tags for layers and demonstrate how their use can improve your document.

5. Forms



This section will cover the basics of creating a form with HTML. After we create a basic form we will take a look at new HTML5 form elements and discuss how we can improve our form on devices with these elements. Finally we will take a look at how we can validate a form using the new HTML5 form validation attributes.

6. Demonstration of API's

We will wrap up the course with some demonstrations of the new API's that are integrated with browsers to support HTML5 features. We will look at examples of the canvas API, geolocation API, and the File API. We will also take a brief look at jQuery mobile and the new HTML5 data-attribute that is available with all tags.