

## KEY IN-CLASS STUDENT ACTIVITY 2.1: CHOOSE AND CONFIGURE HTML5 TAGS TO DISPLAY TEXT CONTENT

### Lesson Objective 2.1:

Choose and configure HTML5 tags to display text content.

### Resources, software, and additional files needed for this lesson:

1. Microsoft® Expression® Web 4 (preferred), Microsoft Visual Studio®, or Notepad.

### Guiding questions:

1. **How has HTML5 changed from HTML4?** The biggest change is the interpretation of the tags. HTML5 includes some new tags that are considered semantic tags. These new tags are ignored in older browsers that don't support them. You can display text using many of the old tags in addition to some new ones, such as the <mark></mark> tag, which highlights text with a yellow background for emphasis.
2. **What does it mean when a tag is deprecated?** Deprecated tags are outdated and may not be supported in future releases. They should no longer be used.
3. **What happens to existing tags that have changed from HTML4 to HTML5?** HTML5 is backward compatible and includes most of the HTML4 tags.

### Student activity:

#### Directions to the student:

Read the following scenario and answer the questions. Verify your answers with the instructor.

#### Scenario:

Diane Forsyth and Ann Wallace are seniors in high school. They are taking a web design course as a technology elective.

Their teacher is introducing the topic of HTML5 and the differences between HTML4 and HTML5. She has assigned Diane and Ann to work together on an assignment to research selecting and configuring HTML5 tags to display text content. When they finish compiling the information, they must prepare a lesson to teach the other students what they learned and provide sample activities to reinforce the new skills. Their lesson must include creating a web page with the following HTML5 tags:

- Header
- Footer
- Small
- Mark

#### Content:

1. What are the key topics that Diane and Ann need to include in their lesson?

**Answers may vary but should include: semantic tags, deprecated/obsolete tags, and a list of new tags.**

2. What examples and demonstrations should be included in the lesson? Include at least two or three examples and one demonstration. Assign students to solve a problem and then describe the solution to the class.

**Answers may vary but should include: information on bold, italic, emphasis, and strong tags; comparison of HTML5 tags with HTML4 tags; and an example of a new tag, such as: <mark> </mark> (highlights with a yellow background).**

3. How can Diane and Ann assess the student understanding of the topic?

**Answers may vary. They might provide a pre- and post-assessment. They could also ask students to re-create a sample page.**

**Here is an example of what Diane and Ann should use to teach the class:**

## Welcome to HTML5 (written with a heading 1)

This web page shows how to use **HTML5** to create attractive and easy-to-use web pages. (paragraph)

This section is highlighted using the new mark tag (paragraph)

Copyright 2011 is written using the small tag

All rights reserved (paragraph inside the HTML5 footer page)

```
<!DOCTYPE html>
<html>
<head>
<title>Page created using HTML5</title>
</head>
<body>
<header>
<h1>Welcome to HTML5 (written with a heading 1)</h1>
</header>
<p>This web page shows how to use <strong>HTML5</strong> to create
attractive and easy-to-use web pages. (paragraph)</p>
<p><mark>This section is highlighted using the new mark tag</mark>
(paragraph)</p>
<footer>
<small>Copyright 2011 is written using the small tag</small> <p>All rights
reserved (paragraph inside the HTML5 footer page)</p>
</footer>
</body>
</html>
```