

## POST-CLASS LEARNING AND PRACTICE 2.2: CHOOSE AND CONFIGURE HTML5 TAGS TO DISPLAY GRAPHICS

### Lesson Objective 2.2:

Choose and configure HTML5 tags to display graphics.

### Additional learning resources:

#### MSDN®:

**Internet Explorer® Learning HTML5:** <http://msdn.microsoft.com/en-us/ie/aa740476>

**HTML5 Graphics:** [http://msdn.microsoft.com/en-us/library/gg589511\(v=VS.85\).aspx](http://msdn.microsoft.com/en-us/library/gg589511(v=VS.85).aspx)

#### Other resources (books, e-reference):

**Canvas element (HTML5):** <http://www.w3.org/TR/html5/the-canvas-element.html#the-canvas-element>

**Modernizr:** <http://www.modernizr.com/>

Lubbers, Peter; Albers, Brian; Smith, Ric; Salim, Frank (2010-09-01). *Pro HTML5 Programming: Powerful APIs for Richer Internet Application Development* (Kindle Location 161). Apress. Kindle Edition.

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

1. Microsoft® Expression® Web 4 (preferred), or Notepad.
2. Internet access (preferably Internet Explorer 9 or higher)

### Student activity:

#### Directions to the student:

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

#### Scenario:

Marketa Pobudova owns a printing service that specializes in creating business cards. She has hired a web developer, Idan Plonsky, to update her website. She wants potential clients to be able to draw on the canvas and experiment with the different designs available from her company.

#### Content:

1. Idan has decided to use the canvas tag. Why is that a good selection for this purpose?
2. Suggest a few resources that will help Idan find examples and learn more about using the canvas element.
3. Use the information in the Scenario and other content to create a one-page website. Add code to provide a canvas approximately the size of a business card on which potential clients can experiment with designs.

## KEY 2.2: CHOOSE AND CONFIGURE HTML5 TAGS TO DISPLAY GRAPHICS

### Content:

1. Idan has decided to use the canvas tag. Why is this a good selection for this purpose?

**Answers will vary. Students might state that this tool provides the interaction required. Because Marketa wants the user to design directly on the site, the canvas tag is much better at allowing dynamic user interaction.**

2. Suggest a few resources that will help Idan find examples and learn more about using the canvas element.

**Answers will vary. They might suggest that Idan use the W3C website, the MSDN website, or even W3Schools website.**

3. Use the information in the Scenario and other content to create a one-page website. Add code to provide a canvas approximately the size of a business card on which potential clients can experiment with designs.

**Final website designs will vary. Check for ability to add text, color, and shapes to make a simple business card.**